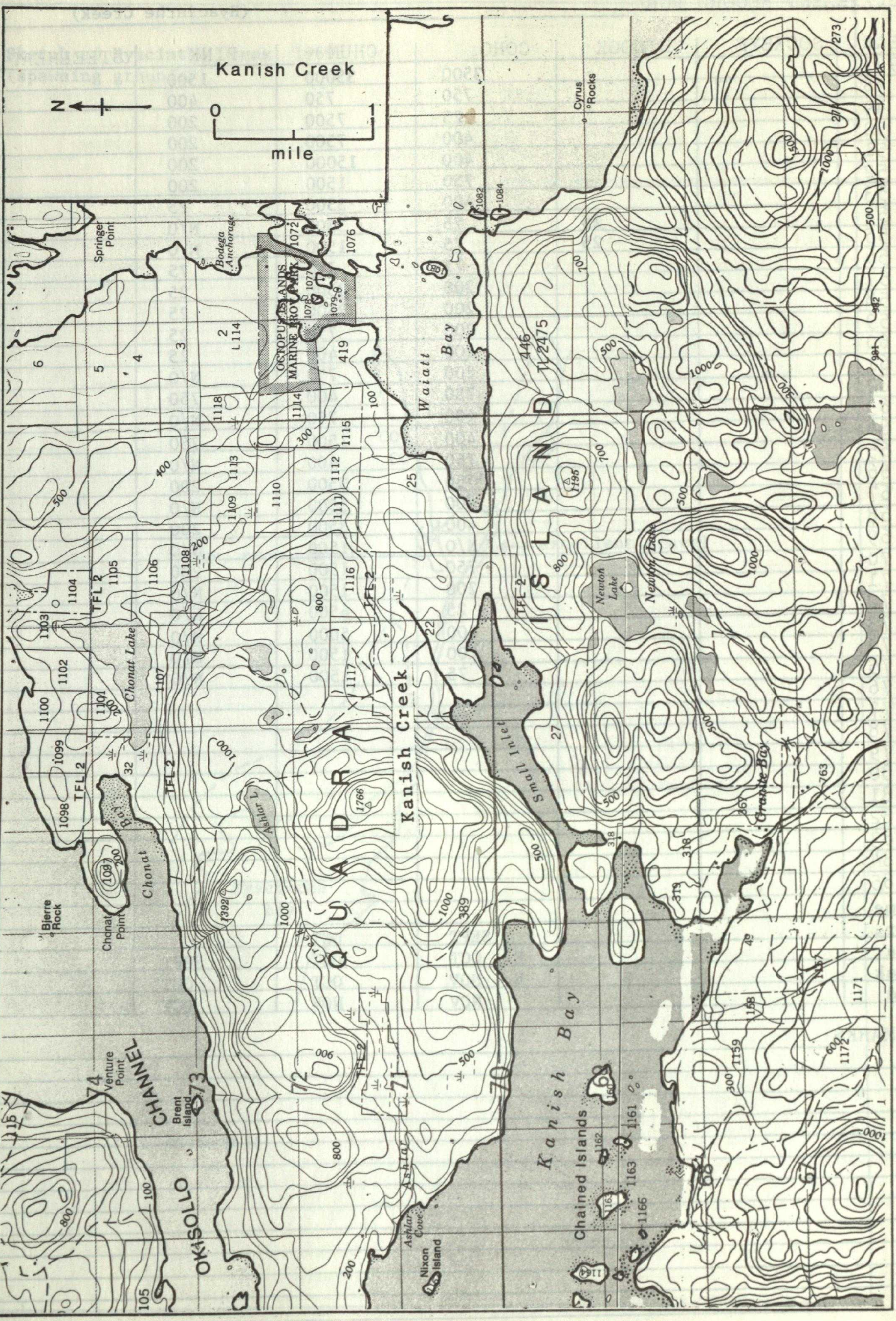

Kanish Creek
N
0
1
mile
Q U A D R A
I S L A N D
Kanish Creek
Springer Point
Bodega Anchorage
OCTOPUS ISLANDS MARINE PROV. PARK
Waiatt Bay
Cyrus Rocks
Small Inlet
Newton Lake
Newton Lake
Granite Bay
Kanish Bay
Chained Islands
Nixon Island
Ashlar Cove
Ashlar L.
Chonat Lake
Chonat Bay
Chonat Point
Bjerre Rock
Brent Island
Venture Point
OKISOLLO CHANNEL
TFL 2

NAME OF STREAM (Not Gazetted) (Kanish Creek)

CONSERVATION DISTRICT 5 STATISTICAL AREA 13

LOCATION OF MOUTH Flows W. into Small Inlet, W. side of Quadra Is. - Sayward Dist. POSITION 50 125 S.E.

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 1.0 mi.

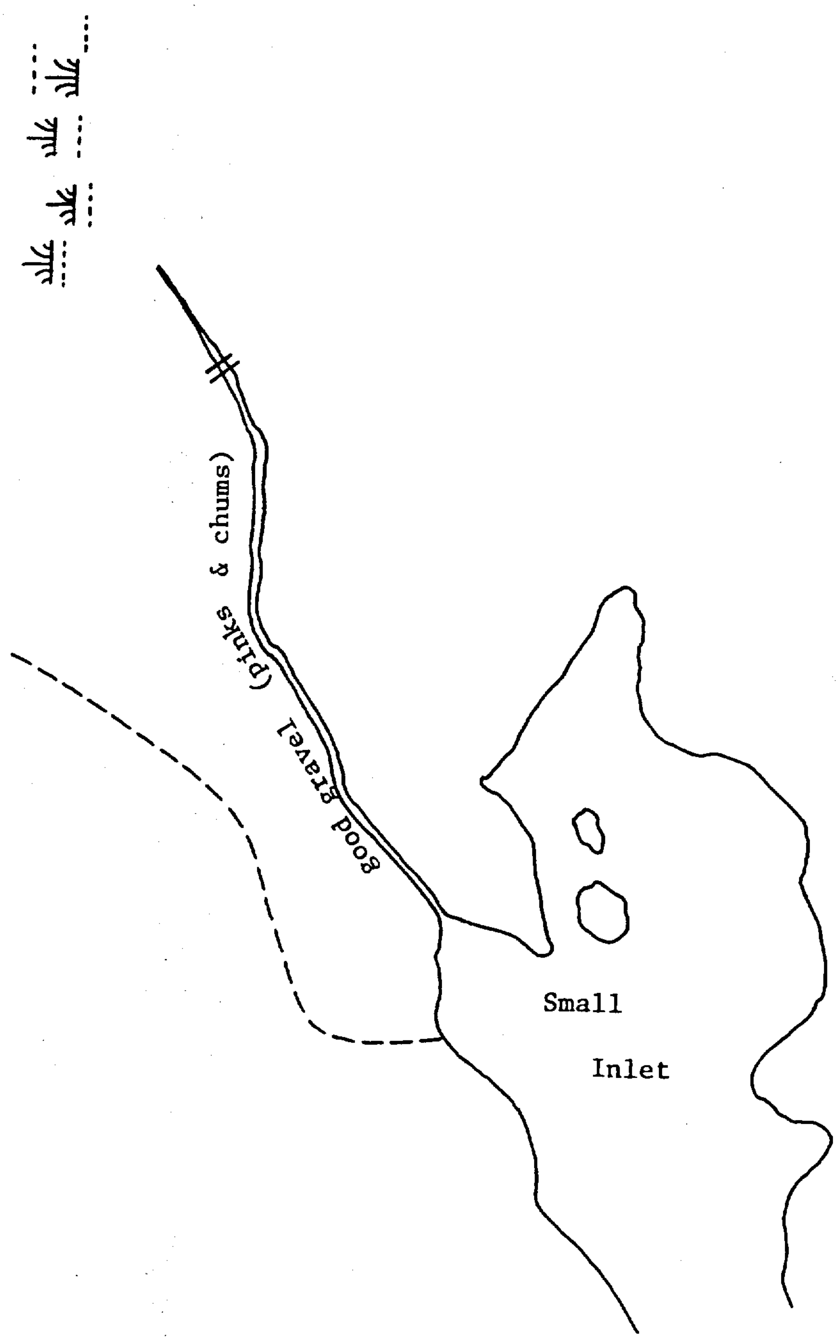
SPAWNING DISTRIBUTION:

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	lower 0.5 mi.
CHUM	lower 0.5 mi.
PINK (ODD YR)	lower 0.5 mi.
PINK (EVEN YR)	lower 0.5 mi.
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS:

Sketch of Kanish Creek, 1970
(spawning grounds)



ESCAPEMENT RECORD FOR (Kanish Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			N/O	1500	400	
48			N/O	200	1500	
49			N/O	75	N/O	
50			N/O	400	3500	
51			N/O	750	N/O	
52			400	400	3500	
53			25	200	N/O	
54			25	750	750	
55			25	25	N/O	
56			25	200	3500	
57			25	75	25	
58			75	1500	1500	
59			25	200	25	
60			25	75	400	
61			25	200	N/O	
62			75	200	3500	
63			75	200	N/O	
64			75	400	6000	
65			75	400	N/O	
66			200	750	7500	
67			N/O	200	N/O	
68			25	1500	7500	
69			25	1500	N/O	
70			25	400	4000	
71			N/O	750	N/O	
72			25	750	3500	
73			25	200	N/O	
74			25	400	75	
75			25	200	N/O	
76						
77						
78						
79						
80						
81						
82						
83						
84						
85						
Time						
Arr.			OCT	OCT	SEPT	
Start			OCT	OCT	SEPT	
Peak			E NOV	NOV	E OCT	
End			NOV	NOV	OCT	

REMARKS


Knox Bay Creek
0
1
mile
N
CORDERO CHANNEL
WEST THURLOW ISLAND
PROVINCIAL FOREST
TREE FARM LICENCE 2
TREE FARM LICENCE 36 BK13
MAYNE PASSAGE
EAST THURLOW ISLAND
Knox Bay
Knox Bay Creek
Knox Hill
Soljack Mountain
Blind Channel
West Thurlow Island Passage
Mayne
Matlaten Indian Reserve 4
Greene Point
Greene Point Rapids
Griffiths Islet
Cordero Islands
Edsall Islets
Shell Point
Grismond Point
Lyall I.
Styles Point
Tucker Point
Butterfly Bay
Mayne Point
Needham Point
TL 12740

NAME OF STREAM (Not Gazetted) (Knox Bay Creek)

CONSERVATION DISTRICT 5 STATISTICAL AREA 13

LOCATION OF MOUTH Flows W. and S. into Knox Bay, S. side of West Thurlow Is., Rge. 1 - Coast Dist. POSITION 50 125 S.W.

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 ____

SPAWNING DISTRIBUTION:

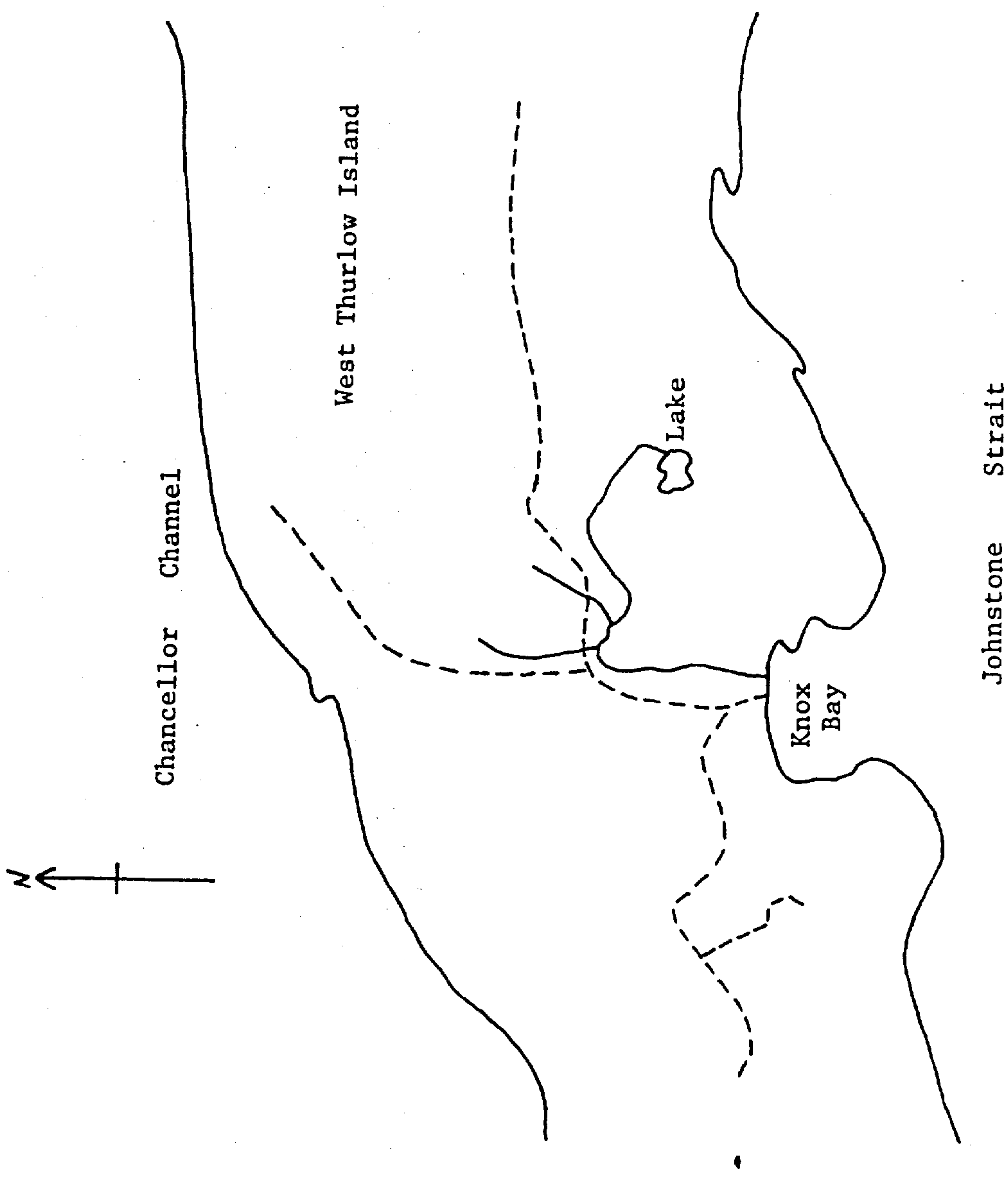
SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	lower 1.0 mi.
CHUM	lower 1.0 mi.
PINK (ODD YR)	
PINK (EVEN YR)	
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM ____

GENERAL REMARKS:

- A minor stream with limited spawning area.

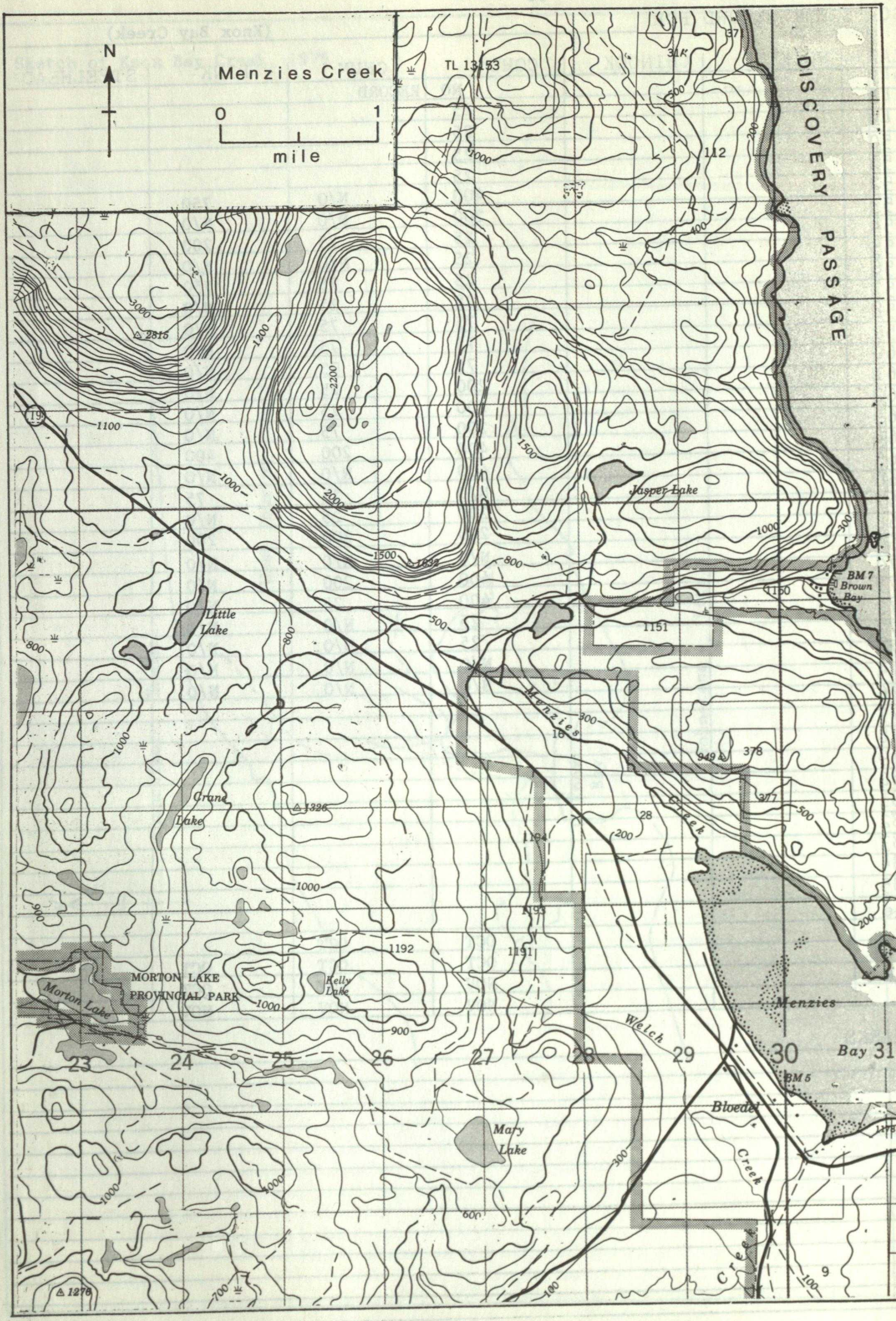
Sketch of Knox Bay Creek, 1975



ESCAPEMENT RECORD FOR (Knox Bay Creek)

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

REMARKS


Menzies Creek
N
0
1
mile
DISCOVERY PASSAGE
Jasper Lake
Little Lake
Crane Lake
Kelly Lake
Mary Lake
Morton Lake
MORTON LAKE PROVINCIAL PARK
Menzies Creek
Welch Creek
Bloedel Creek
Menzies Bay
BM 7 Brown Bay
BM 5
TL 13153
19
23
24
25
26
27
28
29
30
31

NAME OF STREAM MENZIES CREEK

CONSERVATION DISTRICT 5 STATISTICAL AREA 13

LOCATION OF MOUTH Flows S.E. into Menzies Bay, Discovery Passage - Sayward Dist.

POSITION 50 125 S.E.

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 ______

SPAWNING DISTRIBUTION:

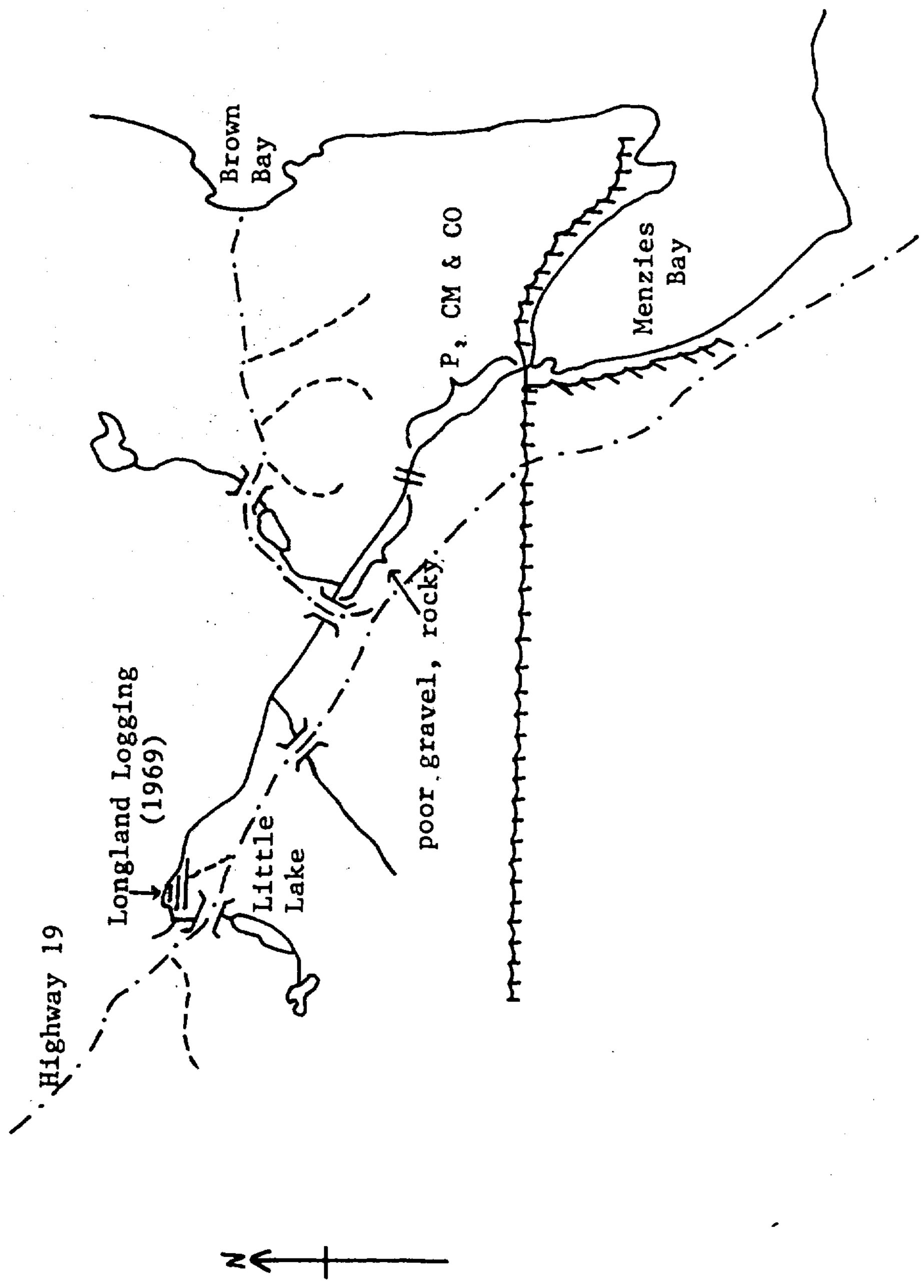
SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	lower 1.0 mi.
CHUM	lower 1.0 mi.
PINK (ODD YR)	lower 1.0 mi.
PINK (EVEN YR)	lower 1.0 mi.
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM ______

GENERAL REMARKS:

- The potential of this stream is very limited since it's almost dry in the summer months. (1973)

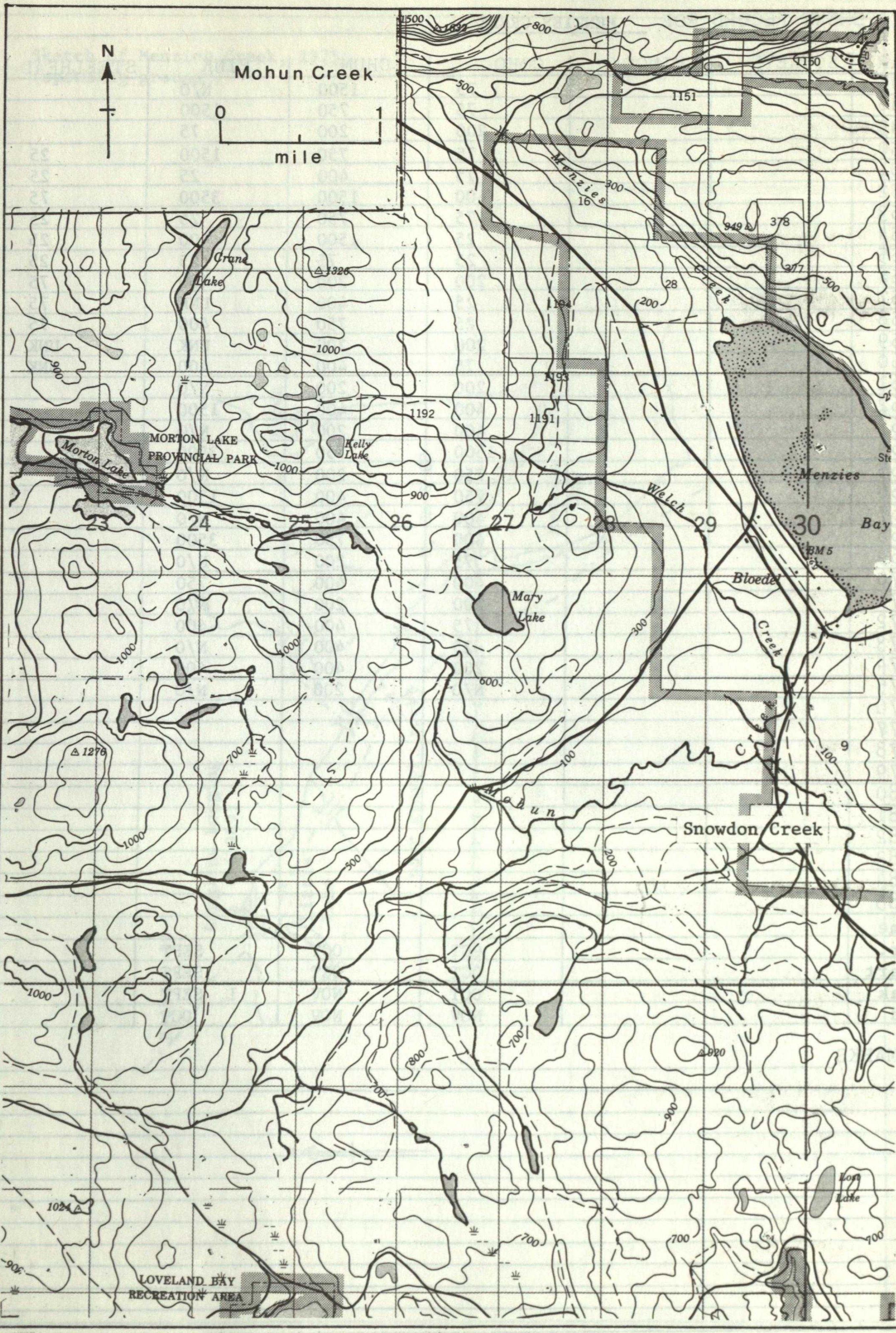
Sketch of Menzies Creek, 1975
(spawning grounds)



ESCAPEMENT RECORD FOR MENZIES CREEK

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

REMARKS


Mohun Creek
N
0
1
mile
Crane Lake
Kelly Lake
Mary Lake
Morton Lake
MORTON LAKE PROVINCIAL PARK
Menzies Creek
Menzies Bay
Welch
Bloedel Creek
Mohun
Snowdon Creek
Lost Lake
LOVELAND BAY RECREATION AREA
BM5
23
24
25
26
27
28
29
30
9
16
1326
1276
1024
1192
1191
1194
1151
1150
949
378
377
920
1000
900
800
700
600
500
300
200
100

NAME OF STREAM MOHUN CREEK (Trout Creek)

CONSERVATION DISTRICT 5 STATISTICAL AREA 13

LOCATION OF MOUTH Flows S.E. and N.E. into Menzies Bay, Discovery Passage - Sayward Dist. POSITION 50 125 S.E.

LENGTH 6.0 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

- Falls at 6.0 mi. are normally impassable.

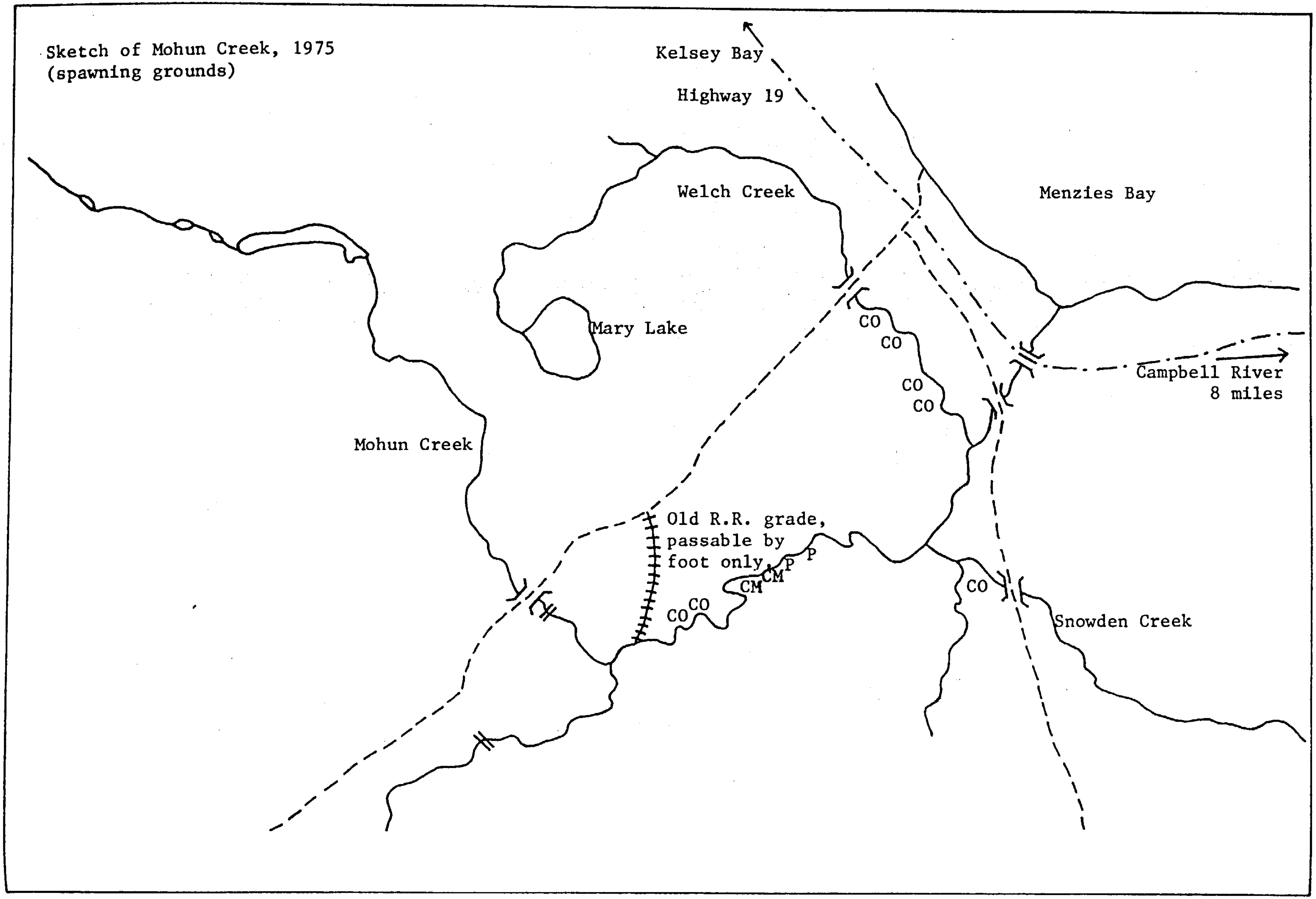
SPAWNING DISTRIBUTION:

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	main stream & tributaries
CHUM	main stream to Snowdon Creek
PINK (ODD YR)	1 to 5 mi.
PINK (EVEN YR)	1 to 5 mi.
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM ____

GENERAL REMARKS:

- MacMillan Bloedel Ltd. improved a problem culvert on Welsh Creek. (1971)
- This stream is subject to heavy sport fishing of pinks. (1970)

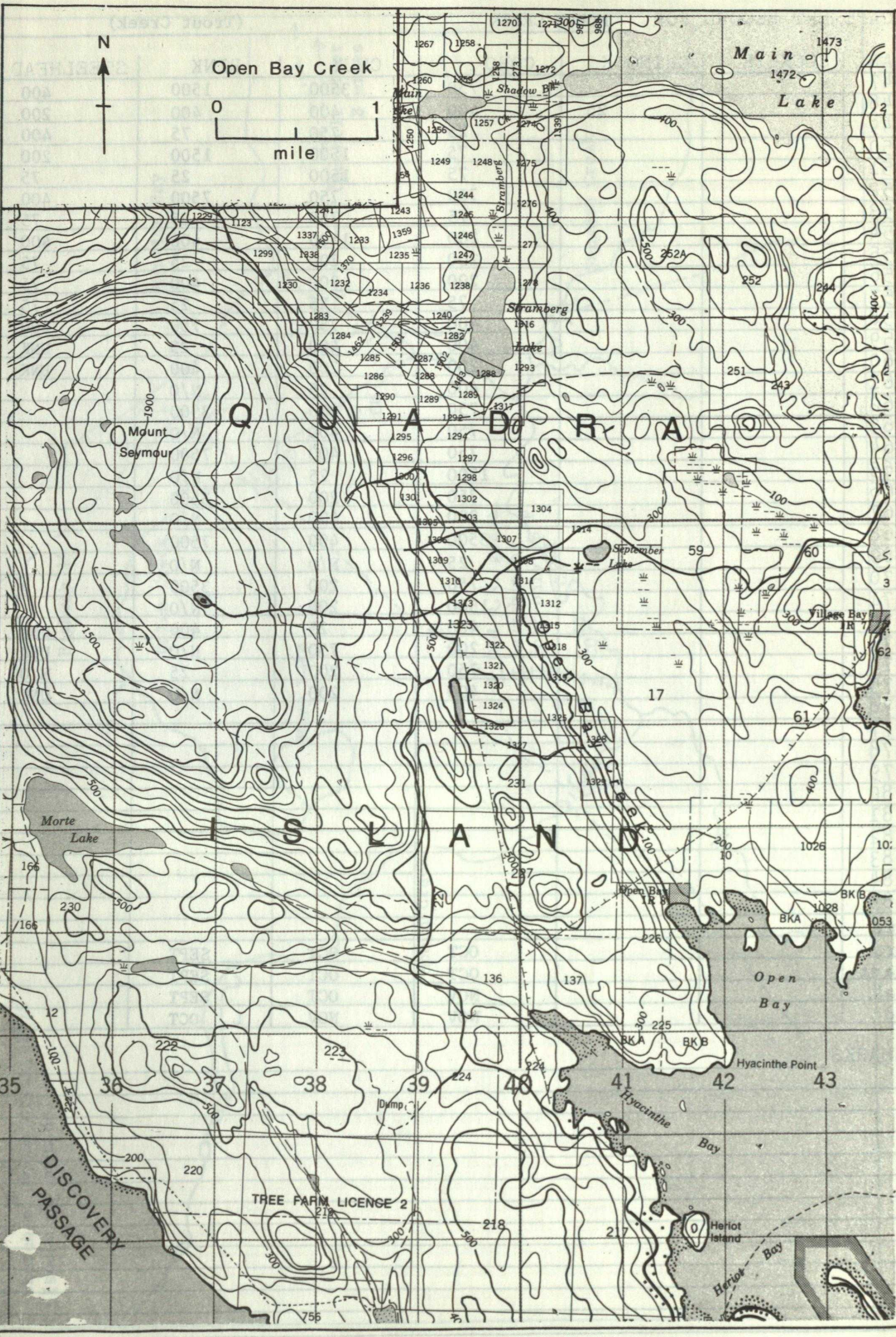


Sketch of Mohun Creek, 1975
(spawning grounds)

ESCAPEMENT RECORD FOR MOHUN CREEK (Trout Creek)

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

REMARKS



Open Bay Creek
N
0
1
mile
QUADRA
ISLAND
Main Lake
Shadow Br.
Stramberg Cr.
Stramberg Lake
Mount Seymour
September Lake
Open Bay Creek
Village Bay IR 7
Open Bay IR 8
Morte Lake
Open Bay
Hyacinthe Point
Hyacinthe Bay
Heriot Island
Heriot Bay
DISCOVERY PASSAGE
TREE FARM LICENCE 2
Dump
35
36
37
38
39
40
41
42
43

NAME OF STREAM (Not Gazetted) (Open Bay Creek)

CONSERVATION DISTRICT 5 STATISTICAL AREA 13

LOCATION OF MOUTH Flows S.E. into Open Bay, E. side of Quadra Is. - Sayward Dist.

POSITION 50 125 S.E.

LENGTH 4.3 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:

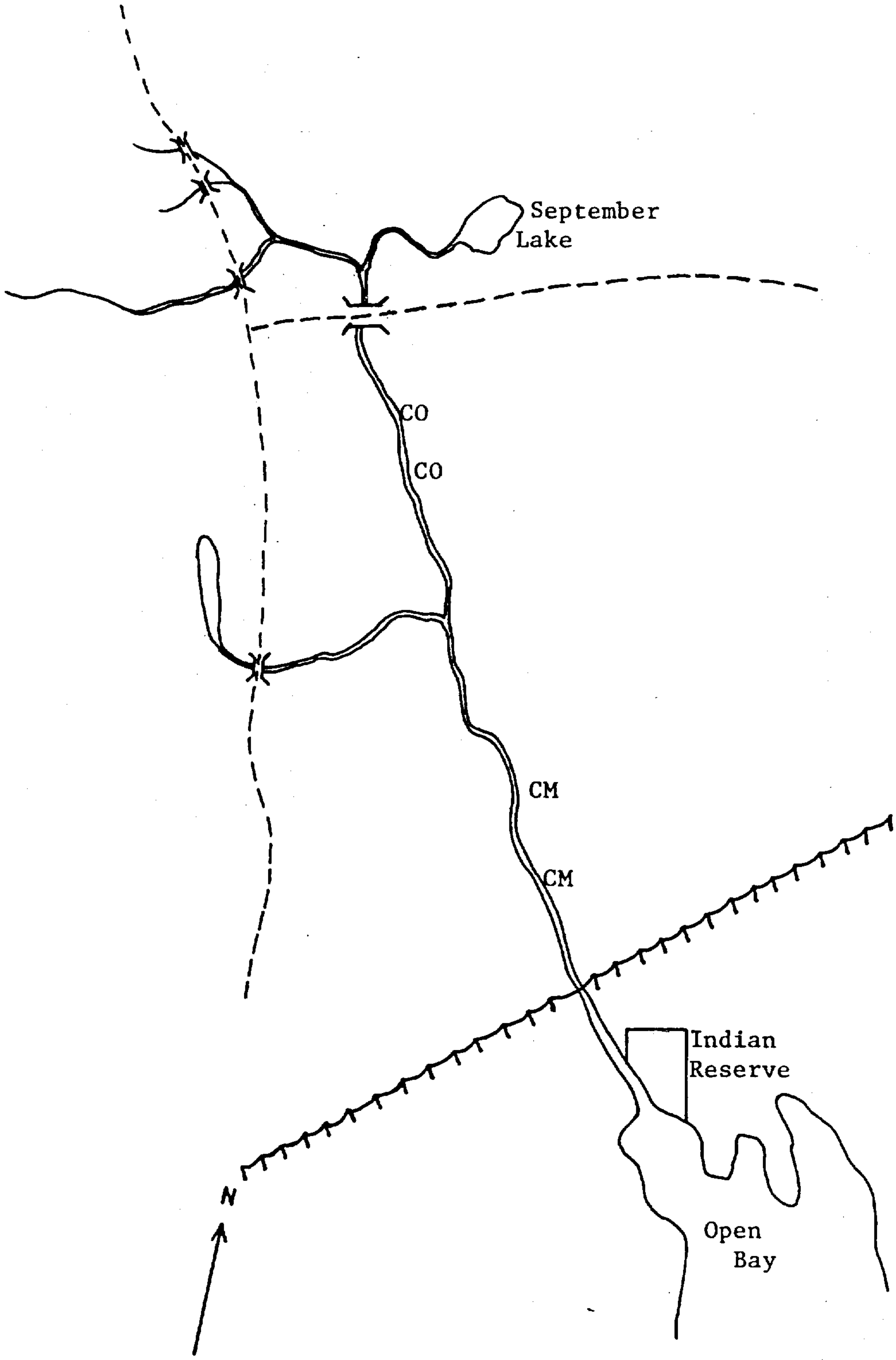
SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	throughout
CHUM	to 4 mi., mainly lower 1 mi.
PINK (ODD YR)	
PINK (EVEN YR)	
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM ____

GENERAL REMARKS:

- This stream was subject to an Indian food fishery in the 1960's (by permit).
- This is a fairly stable stream with good gravel. (1967)
- Some stream clearance work. (1970 & 1973)

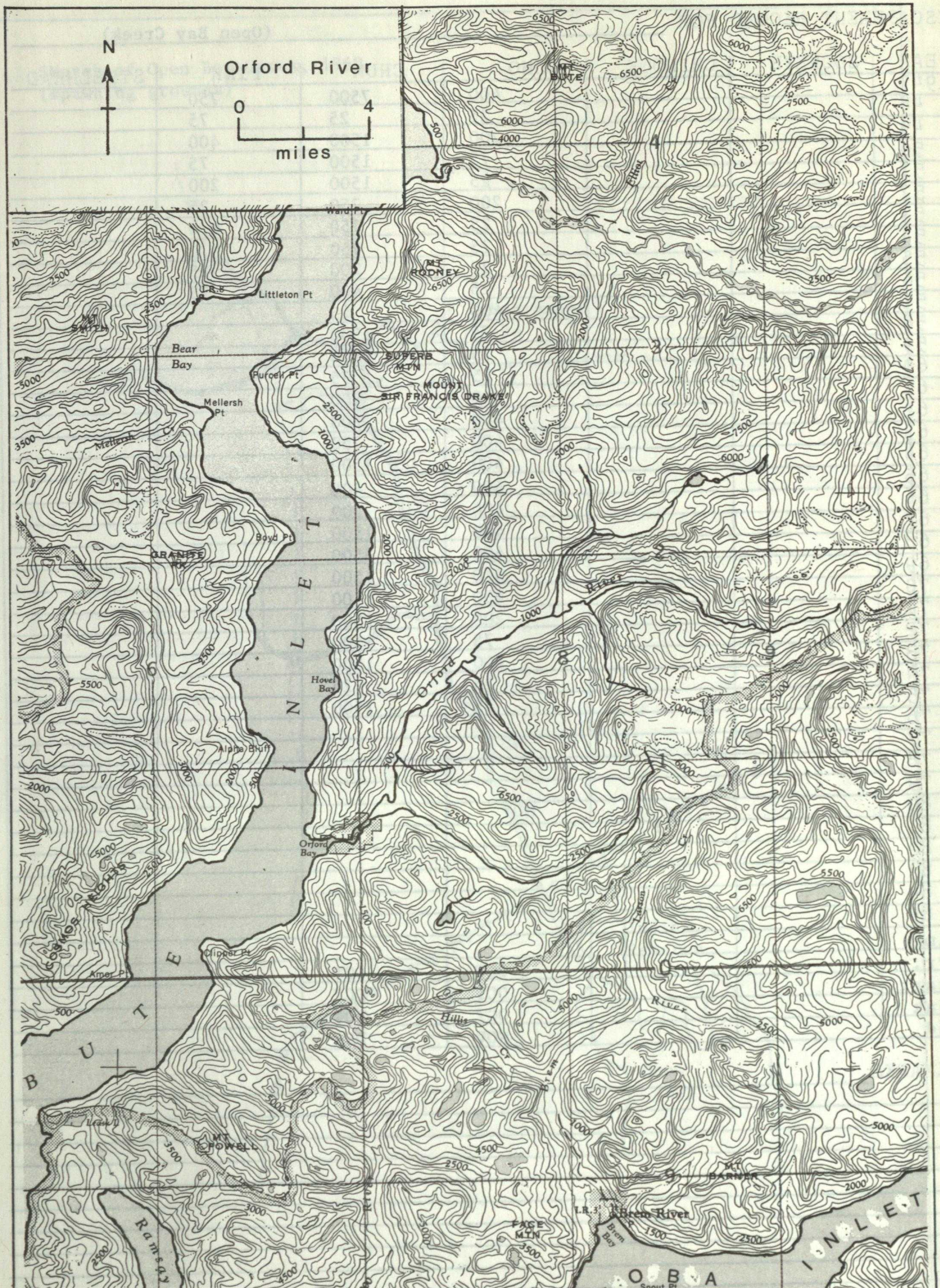
Sketch of Open Bay Creek, 1969
(spawning grounds)



ESCAPEMENT RECORD FOR (Open Bay Creek)

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

REMARKS



N
Orford River
0
4
miles
MT BUTE
Elliot Cr
Ward Pt
MT RODNEY
Littleton Pt
I.R.8
MT SMITH
Bear Bay
Purcell Pt
SUPERB MTN
MOUNT SIR FRANCIS DRAKE
Mellersh Pt
Mellersh Cr
Boyd Pt
GRANITE PK
River
Orford
Hovel Bay
Alpha Bluff
Orford Bay
COSMOS HEIGHTS
Clipper Pt
Amor Pt
Larson
Hillis
Brem
River
B U T E
I N L E T
MT POWELL
MT PARNER
I.R.3
Brem River
Brem Bay
FACE MTN
Snout Pt
T O B A
I N L E T
Ramsay Arm
Quatam
I.R.8

NAME OF STREAM ORFORD RIVER

CONSERVATION DISTRICT 5 STATISTICAL AREA 13

LOCATION OF MOUTH Flows S.W. into Orford Bay, Bute Inlet, Rge. 1 - Coast Dist.

POSITION 50 124 N.W.

LENGTH 4.0 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 4.0 mi. in the main river.
- Impassable falls at 3.0 mi. in the south fork.

SPAWNING DISTRIBUTION:

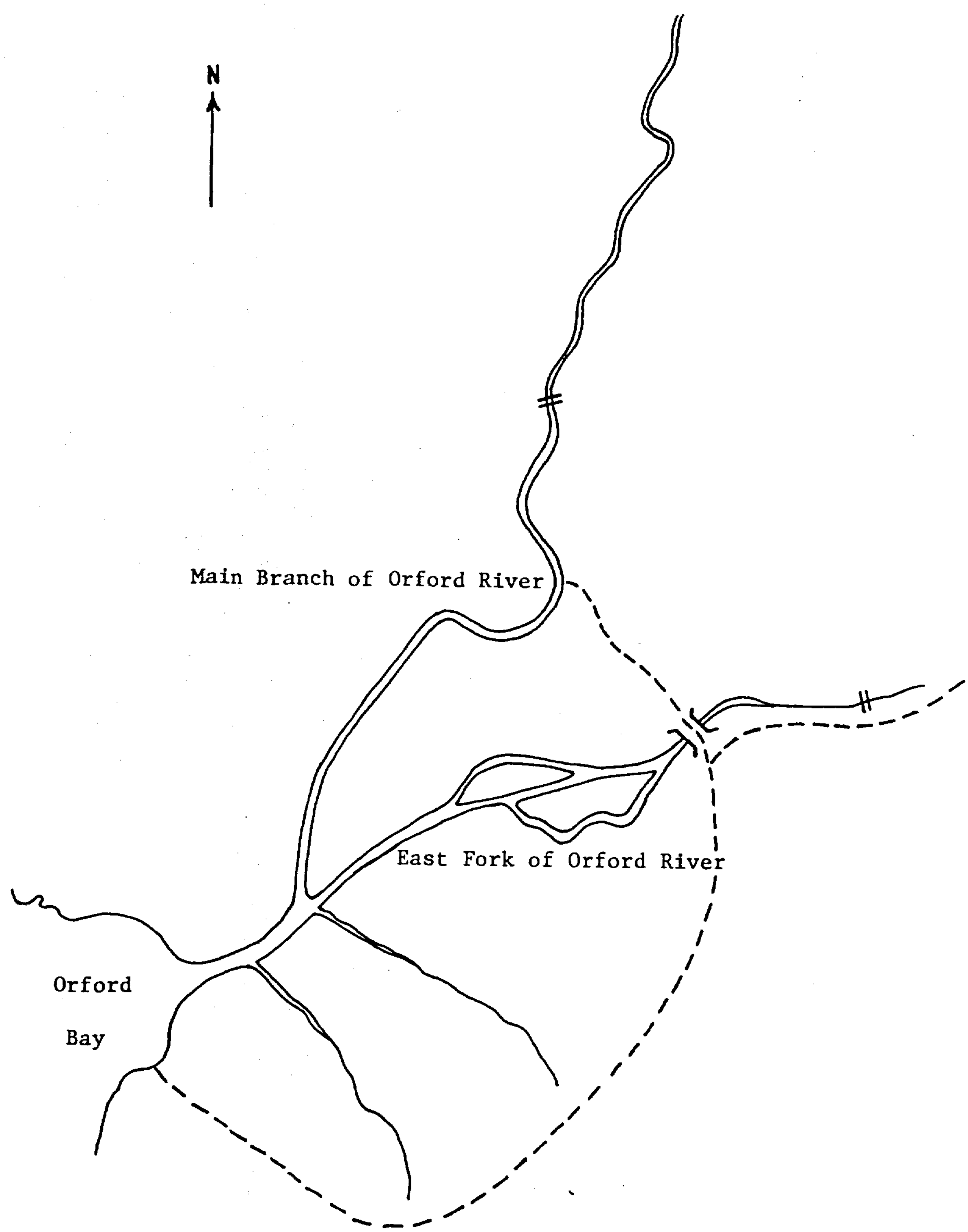
SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	lower main river & south fork
COHO	throughout
CHUM	throughout
PINK (ODD YR)	throughout
PINK (EVEN YR)	throughout
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS:

- Freshet conditions in the south fork caused heavy erosion and silting to lower third of river resulting in a heavy egg loss. (1968)
- A new logging camp was established in 1973 and full scale logging operations were underway along the south fork in 1974.
- High water levels on the south fork washed out a logging bridge and egg survival will no doubt be extremely poor. (1975)

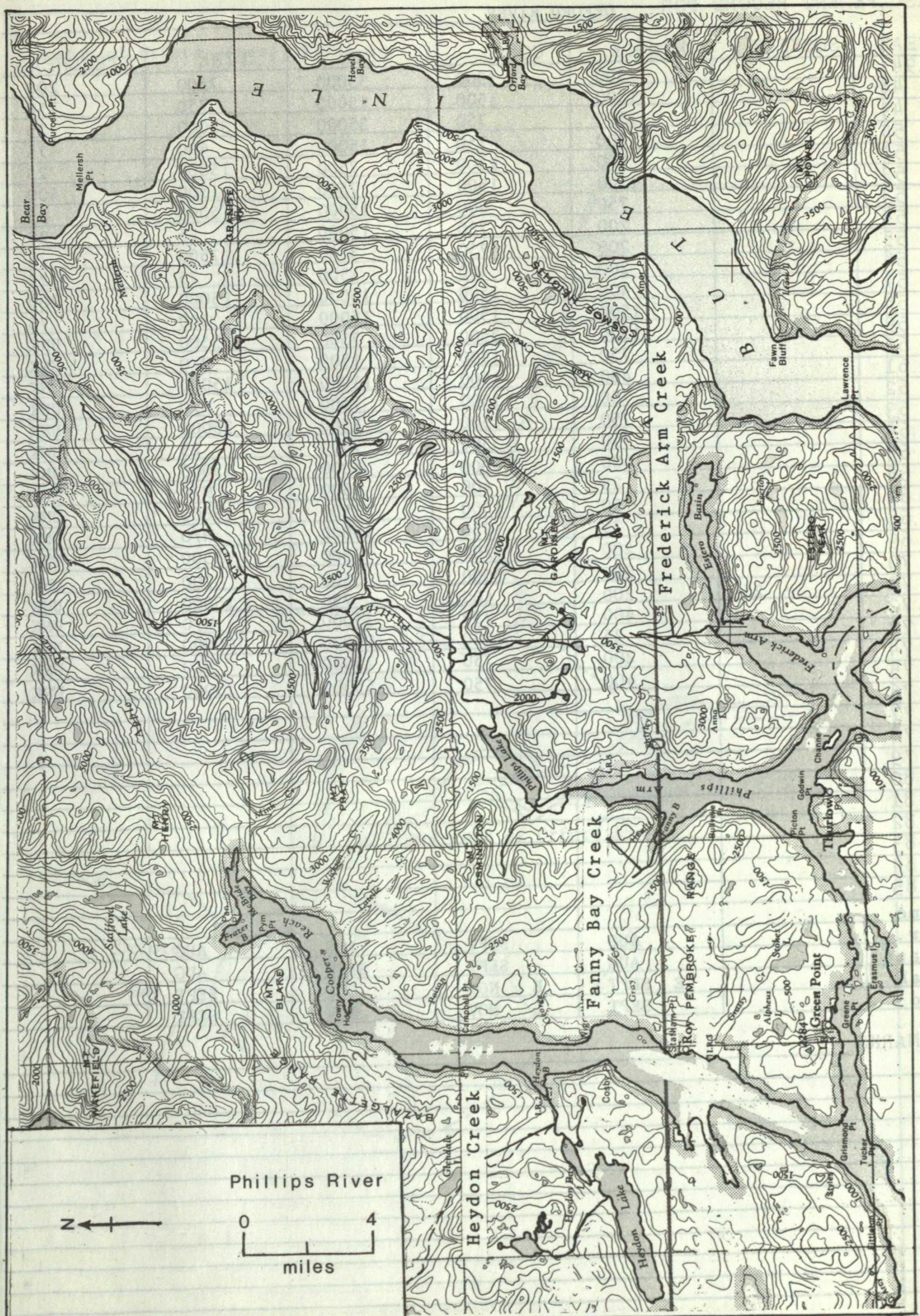
Sketch of Orford River, 1970



ESCAPEMENT RECORD FOR ORFORD RIVER

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947		7500	3500	35000	7500	200
48		1500	1500	15000	750	750
49		1500	750	35000	35000	25
50		200	750	15000	400	75
51		200	1500	7500	15000	25
52		1500	1500	7500	1500	400
53		750	400	15000	15000	25
54		200	750	15000	25	25
55		200	750	3500	7500	75
56		200	400	1500	75	25
57		400	1500	15000	15000	200
58		1500	1500	15000	200	75
59		1500	3500	7500	3500	UNK
60		750	1500	1500	N/O	UNK
61		400	1500	11000	15000	UNK
62		750	1500	7500	N/O	UNK
63		750	1500	7500	35000	UNK
64		750	3500	7500	25	UNK
65		400	3000	6000	35000	UNK
66		25	400	1500	N/O	UNK
67		750	1500	3500	15000	UNK
68		25	750	15000	N/O	UNK
69		200	200	7500	3500	UNK
70		200	3500	3500	200	UNK
71	25	200	400	750	15000	UNK
72		400	750	35000	N/O	UNK
73		25	1500	100000	100000	UNK
74		200	750	15000	N/O	UNK
75		400	750	55000	25000	UNK
76						
77						
78						
79						
80						
81						
82						
83						
84						
85						
Time						
Arr.		AUG	SEPT	AUG	AUG	
Start		AUG	SEPT	SEPT	AUG	
Peak		E SEPT	E NOV	OCT	SEPT	
End		SEPT	L NOV	NOV	L SEPT	

REMARKS


Phillips River
N
0
4
miles
Heydon Creek
Fanny Bay Creek
Frederick Arm Creek
Green Point
Thurlow
Phillips Arm
Frederick Arm
Phillips Lake
Heydon Lake
Stafford Lake
Estero Basin
Estero Peak
Bear Bay
Mellersh Pt
Fawn Bluff
Lawrence Pt
Picton Pt
Godwin Pt
Erasmus I
Grismond Pt
Tucker Pt
Greene Pt
Coopers Reach
Frazer B
Pym Pt
MT. BLAKE
MT. HENRY
MT. PRATT
MT. OSMINGTON
MT. GARDINER
MT. WAKEFIELD
ROY PEMBROKE RANGE
COSMOS HEIGHTS
B U T E
I N L E T

NAME OF STREAM PHILLIPS RIVER

CONSERVATION DISTRICT 5 STATISTICAL AREA 13

LOCATION OF MOUTH Flows S.W. and S. into Phillips Arm, E. of Loughborough Inlet, Rge. 1 - Coast Dist. POSITION 50 125 N.E.

LENGTH ______ MI. WIDTH ______ FT. DRAINAGE 180 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	above the lake
CHINOOK	throughout
COHO	throughout
CHUM	lower river
PINK (ODD YR)	throughout
PINK (EVEN YR)	
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM ______

GENERAL REMARKS:

- A log transportation channel was excavated in 1945 from Phillips Lake to tidewater. In 1965 an extremely high lake level caused a breakthrough at the channel (see sketch). The breakthrough resulted in a new lake outlet, much larger than the original one. In Jan. 1969 the Resources Development Branch completed work to Phillips Lake outlet and the channel. Stream flow through the breakout channel was reduced and flow through the old river channel was stabilized. A dyke was also constructed along this channel to divert a silty tributary from the main pink spawning grounds.
- The stream improvement work in 1969 appears to have alleviated the silting problem. (1970)
- Logging operations are expanding. (1972)

GENERAL REMARKS: (Cont'd)

- Contract loggers are opening access to the upper Phillips River and tributaries. (1974)
- A logging bridge was built across the Clearwater tributary and another span is to cross the upper Phillips River. (1974)
- Pink mortality will be high due to a change in river course. (1975)
- A new logging bridge was lost this fall due to high water. (1975)

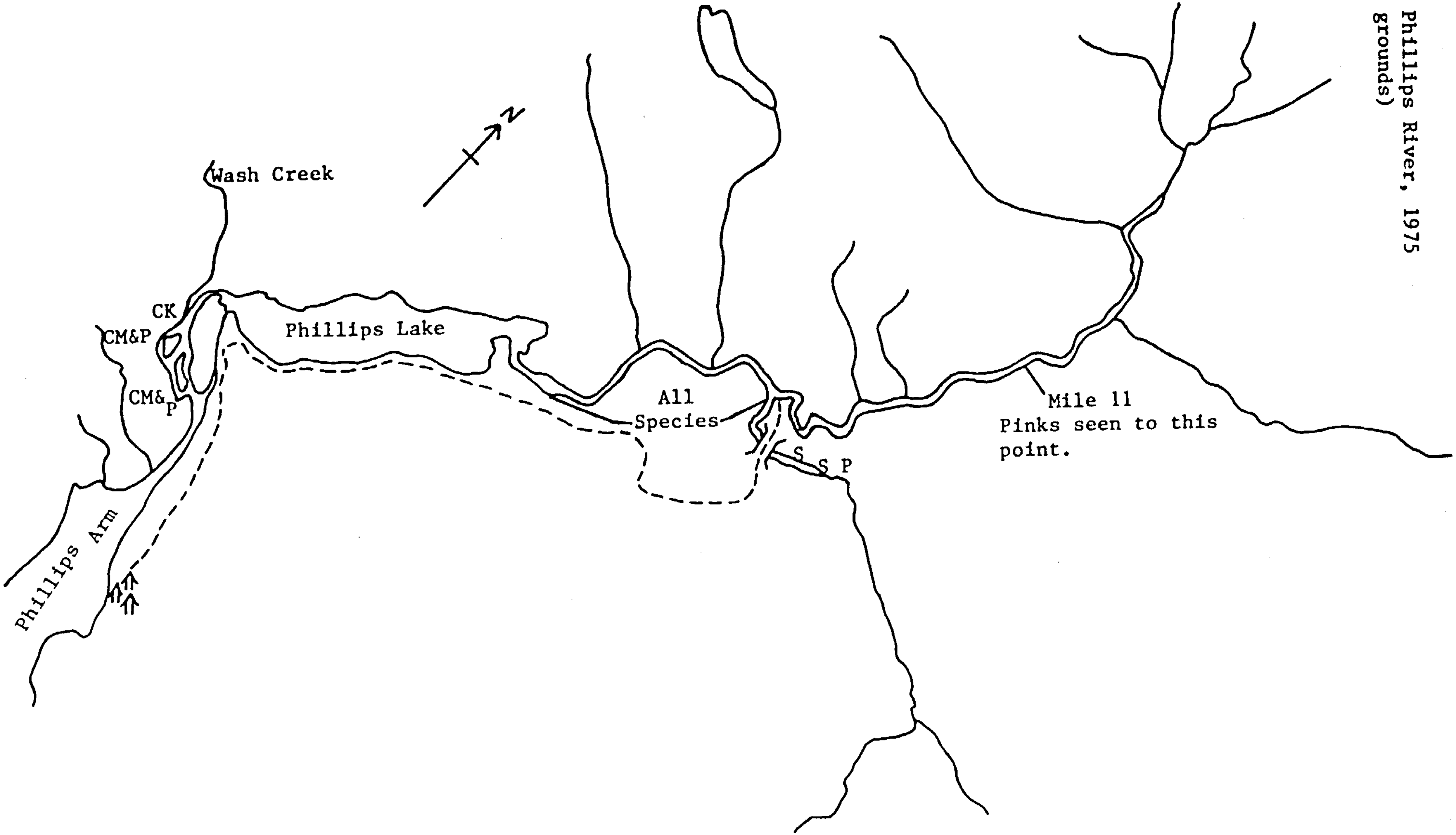
References:

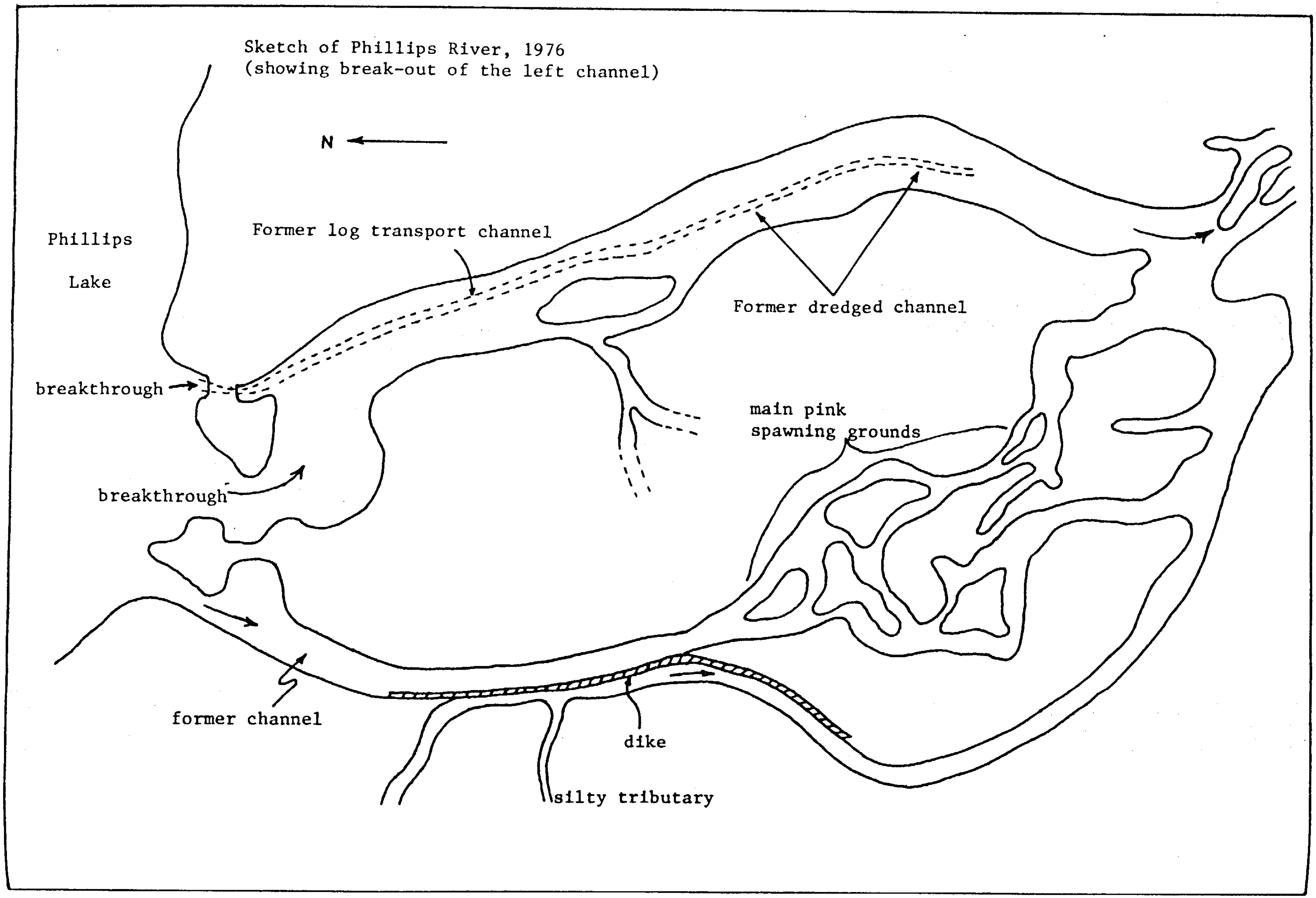
Brown, R.F. 1976. Inspection of Erosion Problems on Phillips River. D.O.E., F.M.S., Pac. Reg. Memo. 5900-85-P95 2p & Appendix.

Colin, R. and A.D. Anderson. 1976. Phillips River Course Change. D.O.E., F.M.S., Pac. Reg. Memo. 5900-85-P95 2p & Appendix.

McLaren, R.E. and L. Edgeworth. 1965. Diversion of Lower Phillips River. Dept. of Fisheries, Pac. Reg. Memo. 31-3-P10 3p & Appendix.

Sketch of Phillips River, 1975
(spawning grounds)



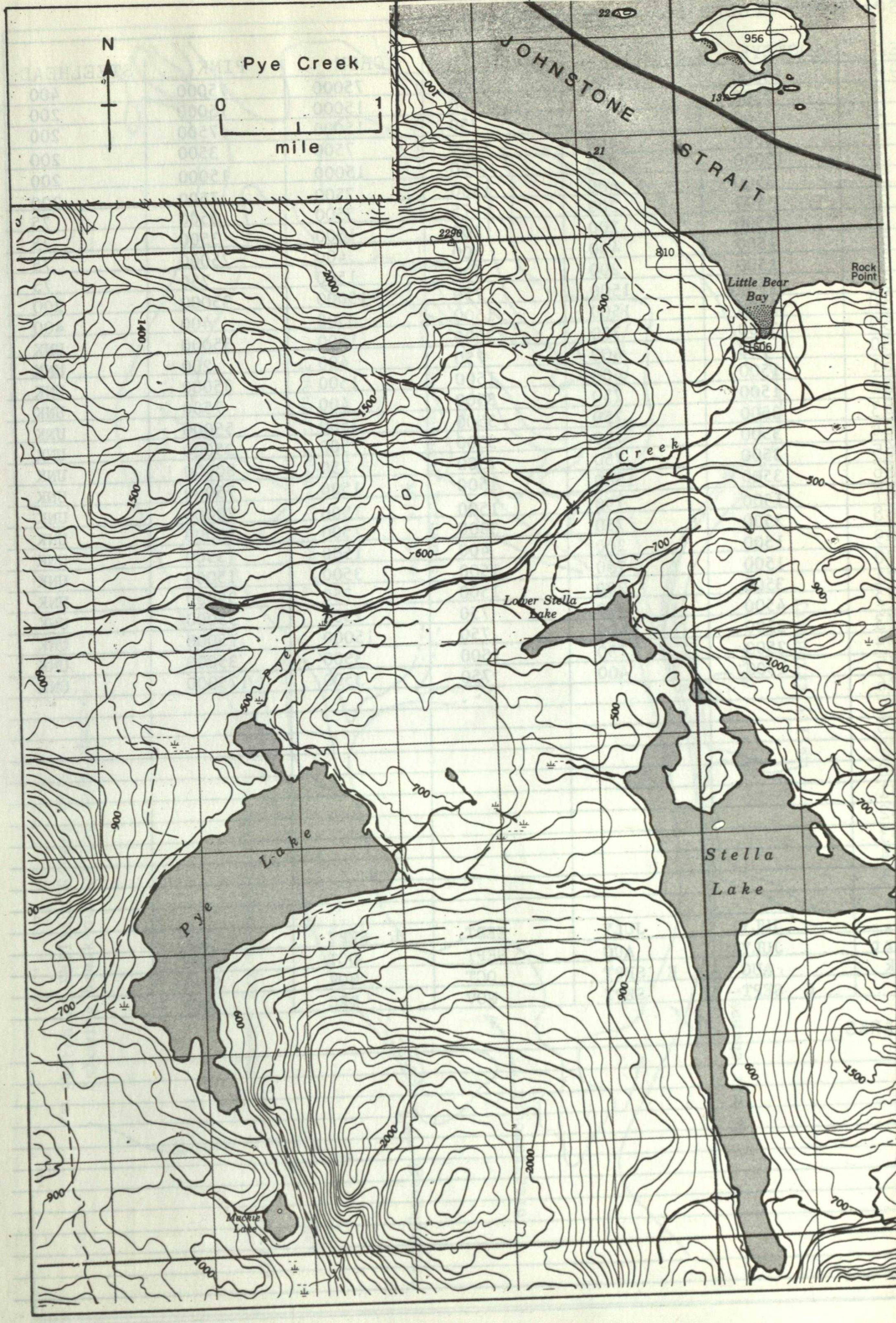


Sketch of Phillips River, 1976
(showing break-out of the left channel)

ESCAPEMENT RECORD FOR PHILLIPS RIVER

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947	15000	1500	3500	75000	75000	400
48	7500	1500	750	15000	15000	200
49	3500	400	750	15000	7500	200
50	3500	400	1500	7500	3500	200
51	15000	750	750	15000	15000	200
52	3500	400	1500	7500	7500	200
53	400	200	75	3500	3500	75
54	3500	200	200	1500	3500	75
55	1500	400	400	400	75000	75
56	1500	200	400	1500	750	75
57	7500	1500	750	15000	35000	200
58	3500	1500	1500	3500	400	400
59	3500	750	3500	1500	35000	UNK
60	750	400	750	400	200	UNK
61	1500	400	1500	1500	35000	UNK
62	1500	750	3500	400	7500	UNK
63	3500	750	3500	3500	55000	UNK
64	3500	750	3500	7500	35000	UNK
65	3500	750	7500	750	80000	UNK
66	3500	1500	1500	1500	75000	UNK
67	1500	750	1500	1500	20000	UNK
68	3500	750	3500	7500	50000	UNK
69	1500	200	400	1500	3500	UNK
70	1500	750	1500	3500	15000	UNK
71	3500	200	1500	750	35000	UNK
72	4500	400	750	7500	35000	UNK
73	3500	400	750	15000	75000	UNK
74	2500	750	1500	3500	35000	UNK
75	1500	400	750	3500	175000	UNK
76						
77						
78						
79						
80						
81						
82						
83						
84						
85						
Time						
Arr.	JULY	JULY	SEPT	L SEPT	AUG	
Start	JULY	AUG	SEPT	OCT	SEPT	
Peak	AUG	E SEPT	OCT	NOV	SEPT	
End	E SEPT	SEPT	NOV	DEC	OCT	

REMARKS


N
Pye Creek
0
1
mile
JOHNSTONE
STRAIT
956
22
132
21
100
2298
2000
1400
1500
810
500
Little Bear Bay
Rock Point
606
Creek
600
700
Lower Stella Lake
900
1000
Pye
Pye Lake
Stella
Lake
Mackie Lake

NAME OF STREAM PYE CREEK

CONSERVATION DISTRICT 5 STATISTICAL AREA 13

LOCATION OF MOUTH Flows N.E. into Little Bear Bay, near E. end of Johnstone Str. - Sayward Dist.

POSITION 50 125 S.W.

LENGTH 0.5 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 0.5 mi.

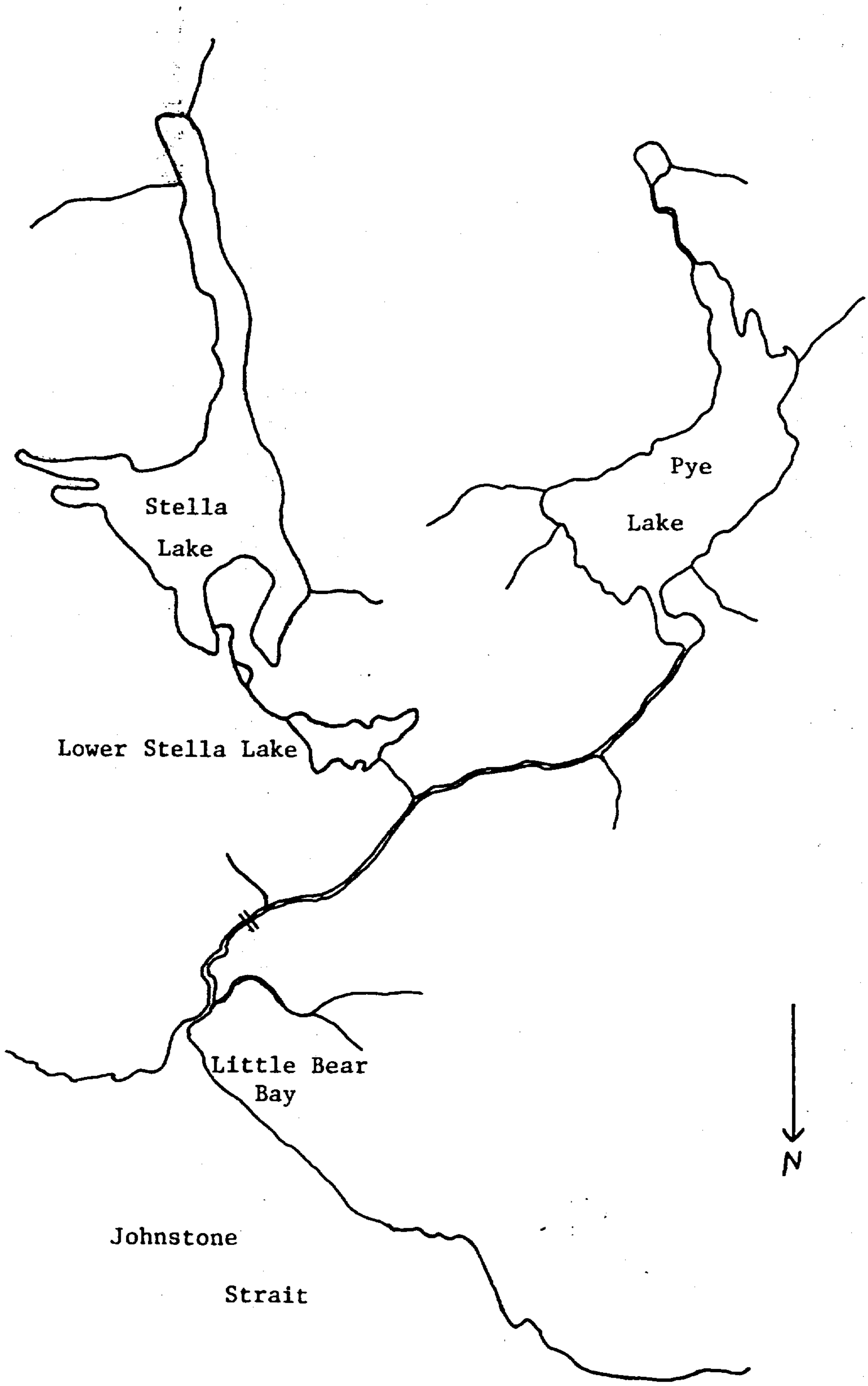
SPAWNING DISTRIBUTION:

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

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS:
- A minor stream with little potential for expansion.

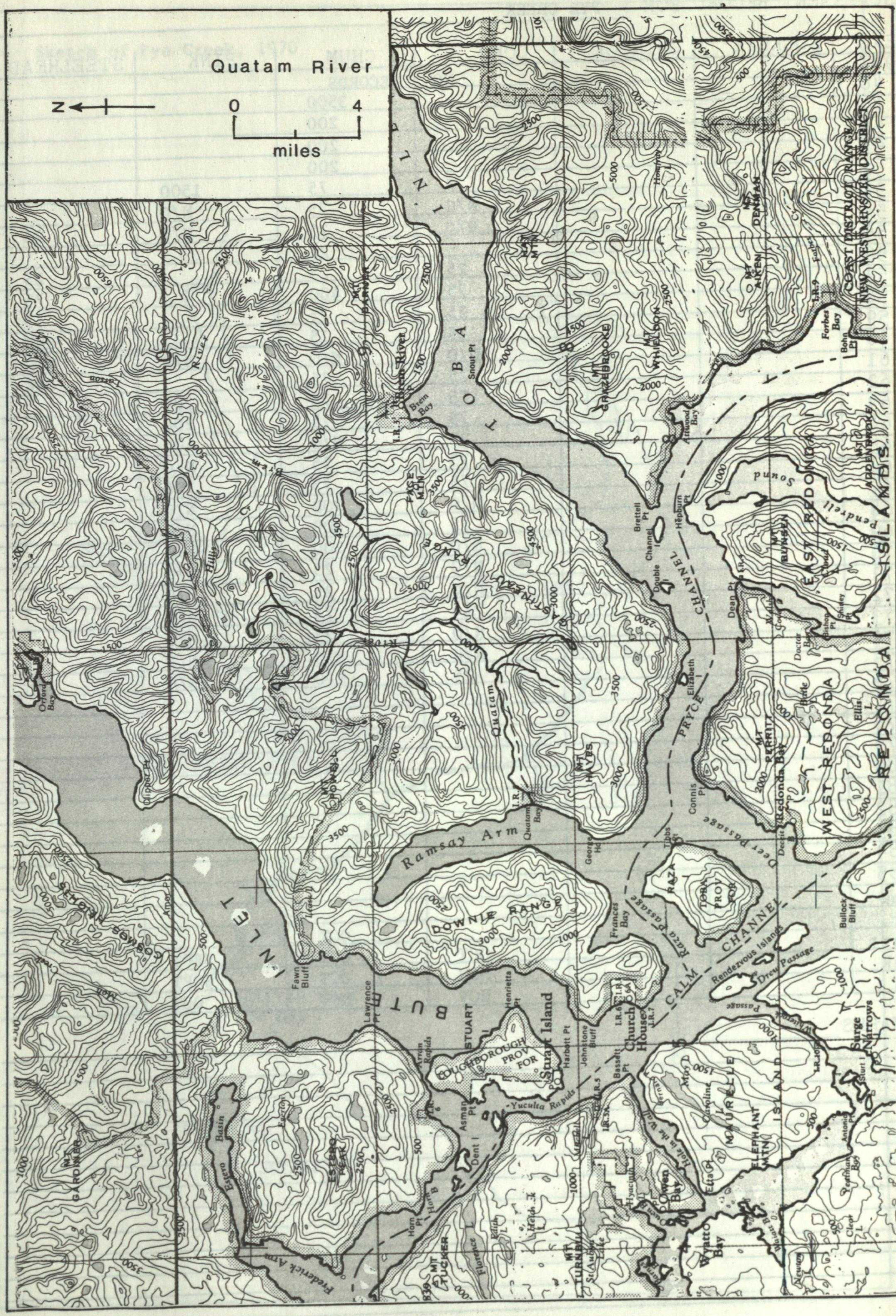
Sketch of Pye Creek, 1970



ESCAPEMENT RECORD FOR PYE CREEK

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

REMARKS


Quatam River
N
0
4
miles

NAME OF STREAM QUATAM RIVER

CONSERVATION DISTRICT 5 STATISTICAL AREA 13

LOCATION OF MOUTH Flows W. into Quatam Bay, Ramsay Arm, Rge. 1 - Coast Dist.

POSITION 50 124 S.W.

LENGTH 12.0 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

- Two falls at 5.5 mi. and 9 mi. are passable to coho only.

SPAWNING DISTRIBUTION:

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	lower 2 mi.
COHO	to 12 mi.
CHUM	to 5 mi.
PINK (ODD YR)	to 5 mi.
PINK (EVEN YR)	to 5 mi.
STEELHEAD	

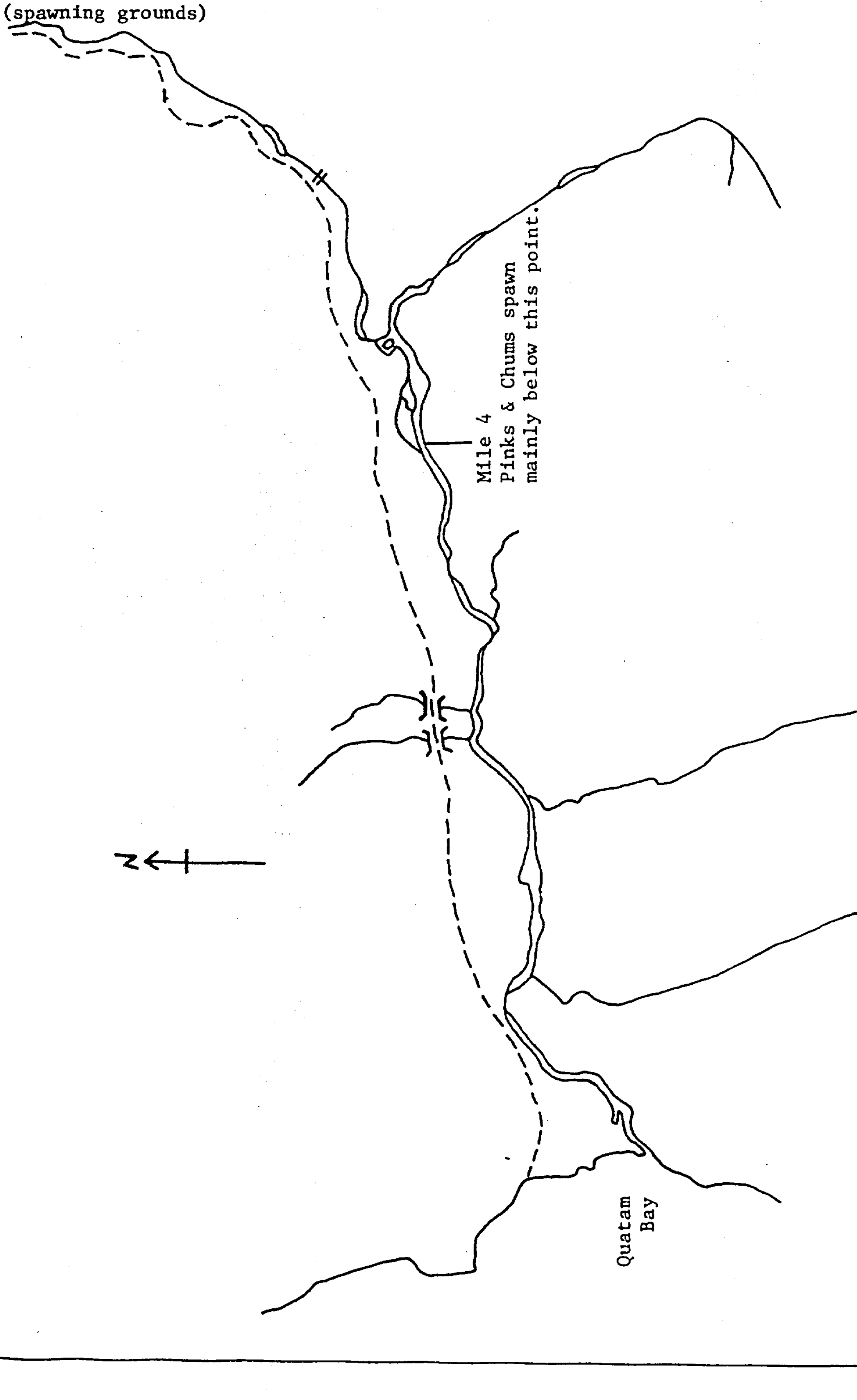
POTENTIAL OF INACCESSIBLE PORTION OF STREAM

- Removal of falls would give coho and steelhead easy access to excellent gravel and good nursery areas.

GENERAL REMARKS:

- Heavy rainfall in Sept. caused freshet conditions resulting in considerable damage to spawning fish. (1967)
- Blasting was carried out on the 5.5 mi. falls to assist coho migration. (1967)

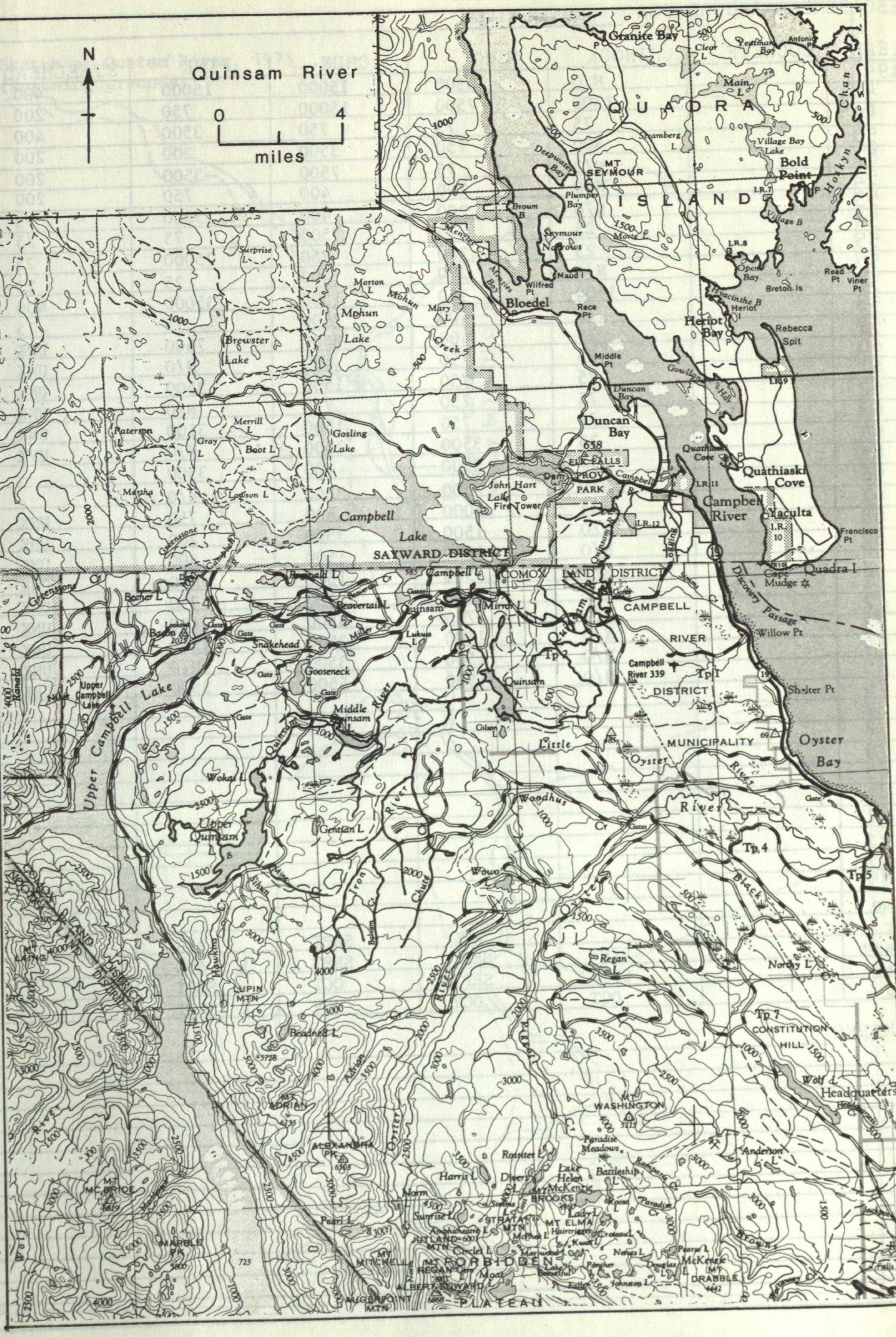
Sketch of Quatam River, 1975
(spawning grounds)



ESCAPEMENT RECORD FOR QUATAM RIVER

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947		N/O	3500	15000	15000	400
48		1500	7500	15000	750	200
49		75	75	750	3500	400
50		400	750	3500	200	200
51		N/O	75	7500	3500	200
52		N/O	200	400	750	200
53		N/O	200	400	15000	75
54		25	75	7500	75	25
55		25	200	750	75000	75
56		N/O	200	400	25	25
57		1500	750	1500	35000	400
58		75	400	7500	75	75
59		75	400	3500	7500	UNK
60		25	750	400	N/O	UNK
61		25	750	1500	3500	UNK
62		75	750	750	N/O	UNK
63		75	750	1500	3500	UNK
64		25	3500	1500	N/O	UNK
65		400	3500	400	3500	
66		N/O	3500	200	N/O	
67		25	5000	400	750	UNK
68		N/O	1500	3500	200	UNK
69		N/O	750	1500	400	UNK
70		N/O	3500	1500	N/O	UNK
71	25	N/O	1500	400	750	UNK
72		N/O	750	4500	400	UNK
73		N/O	1500	3500	1500	UNK
74		N/O	1500	3500	N/O	UNK
75		N/O	1500	5500	3500	UNK
76						
77						
78						
79						
80						
81						
82						
83						
84						
85						
Time Arr.			AUG	SEPT	AUG	
Start		SEPT	SEPT	SEPT	L AUG	
Peak		SEPT	SEPT	OCT	SEPT	
End		OCT	OCT	NOV	L SEPT	

REMARKS


N
Quinsam River
0
4
miles
Granite Bay
QUADRA
ISLAND
MT SEYMOUR
Seymour Narrows
Bold Point
Heriot Bay
Rebecca Spit
Bloedel
Duncan Bay
Quathiaski Cove
Campbell River
Yaculta
Quadra I
Cape Mudge
Discovery Passage
Willow Pt
Shelter Pt
Oyster Bay
Brewster Lake
Mohun Lake
Gosling Lake
John Hart Lake
Fire Tower
ELK FALLS PROV PARK
Campbell Lake
SAYWARD DISTRICT
COMOX LAND DISTRICT
CAMPBELL RIVER DISTRICT MUNICIPALITY
Upper Campbell Lake
Snakehead
Gooseneck
Middle Quinsam L
Quinsam L
Upper Quinsam L
Wokas L
Gentian L
Little Oyster River
Woodhus Cr
Black Cr
Tp 4
Tp 5
Tp 7
CONSTITUTION HILL
Wolf L
Headquarters
Regan L
LUPIN MTN
Beadnell L
MT ADRIAN
ALEXANDRA PK
MT WASHINGTON
Paradise Meadows
Battleship L
Lake Helen McKenzie
BROOKS
MT ELMA
STRATA MTN
JUTLAND MTN
MT MITCHELL
MT REGAN
MT ALBERT EDWARD
FORBIDDEN PLATEAU
AUGERPOINT MTN
MT DRABBLE
MT McBRIDE
MARBLE PK
MT LAING
Pearl L
Harris L
Rossiter L
Oyster River
Adrian Cr
Wolf River

NAME OF STREAM QUINSAM RIVER

CONSERVATION DISTRICT 5 STATISTICAL AREA 13

LOCATION OF MOUTH Flows N.E. into Campbell R. near mouth - Sayward Dist.

POSITION 50 125 S.E.

LENGTH 16.0 MI. WIDTH ____ FT. DRAINAGE 107 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 *323 CFS MAX 7700 cfs 19/01/68 MIN 31.4 cfs 21/09/56

TEMPERATURE ____

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 16.0 mi.

SPAWNING DISTRIBUTION:

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

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

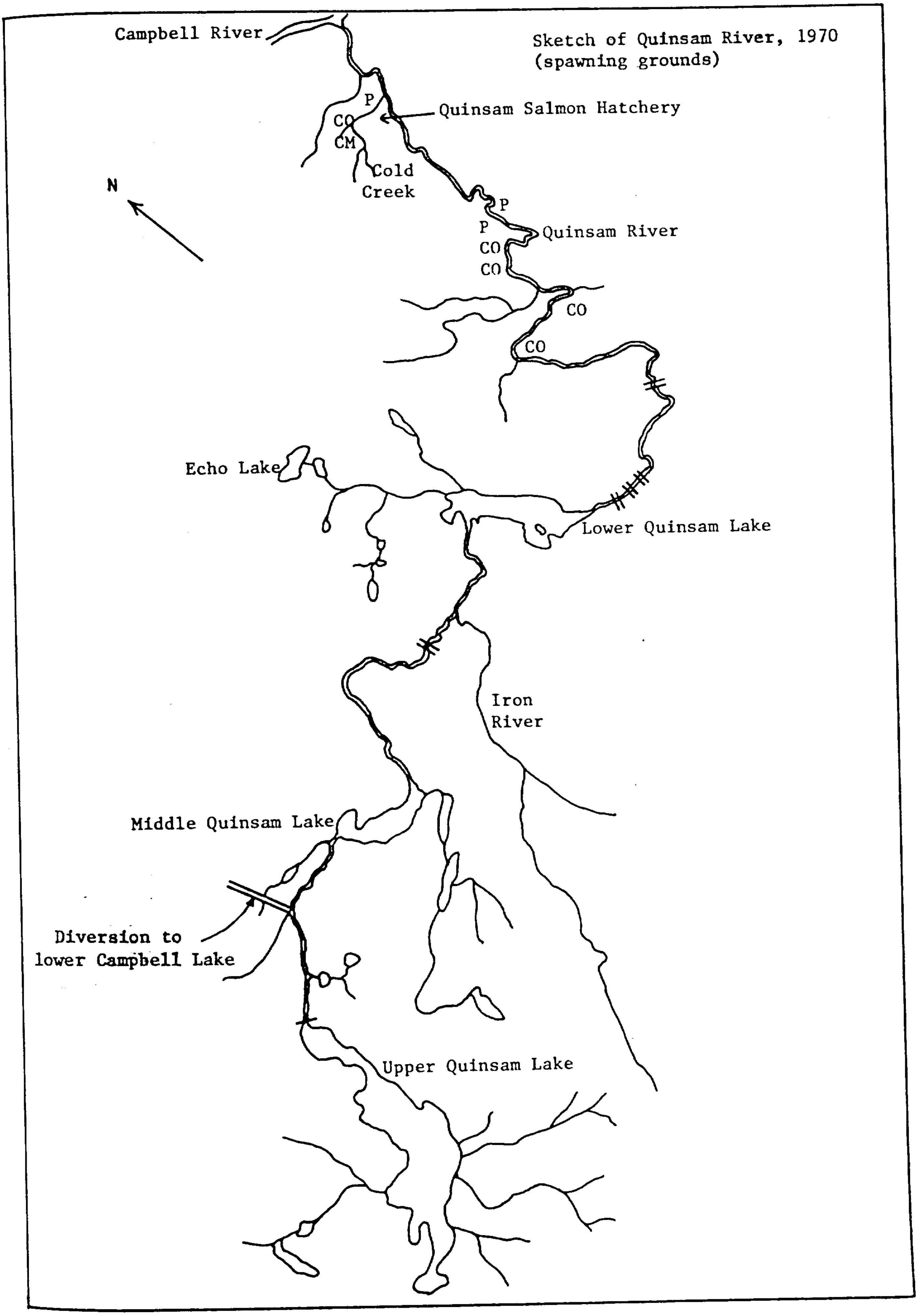
GENERAL REMARKS:

- Controlled flow is maintained, except during flooding, by the B.C. Power Commission Diversion Dam. (1957)
- Freshet conditions in Dec. to Jan. 1968, resulted in heavy losses to salmon spawn in the lower three miles of river.
- Water levels were the highest for many years. Considerable damage was done to the diversion fence at the Quinsam Hatchery due to debris piling up into the upstream side of this structure. (1975)
- Work commenced on a hatchery at Quinsam River in 1973 and was completed in the spring of 1975. The hatchery was constructed to contribute to the West Coast troll

*Flow affected by diversion.

GENERAL REMARKS: (Cont'd)

and Johnstone Strait net fishery, as well as, the sport fishery. The hatchery consists of a diversion dam at Cold Creek, three concrete adult holding ponds, fifteen concrete rearing ponds, a fish diversion fence, a fishway, an access road, two residences and the hatchery buildings. The potential production for the hatchery is expected to be: (1) 1,900,000 coho smolts yielding 275,000 adults; (2) 3,000,000 chinook fingerlings yielding 30,000 adults; and (3) 20,000 steelhead smolts yielding 2,000 adults. Coho and steelhead are nearing this production, however, chinook salmon will be a few more years. (1976)



Sketch of Quinsam River, 1970
(spawning grounds)

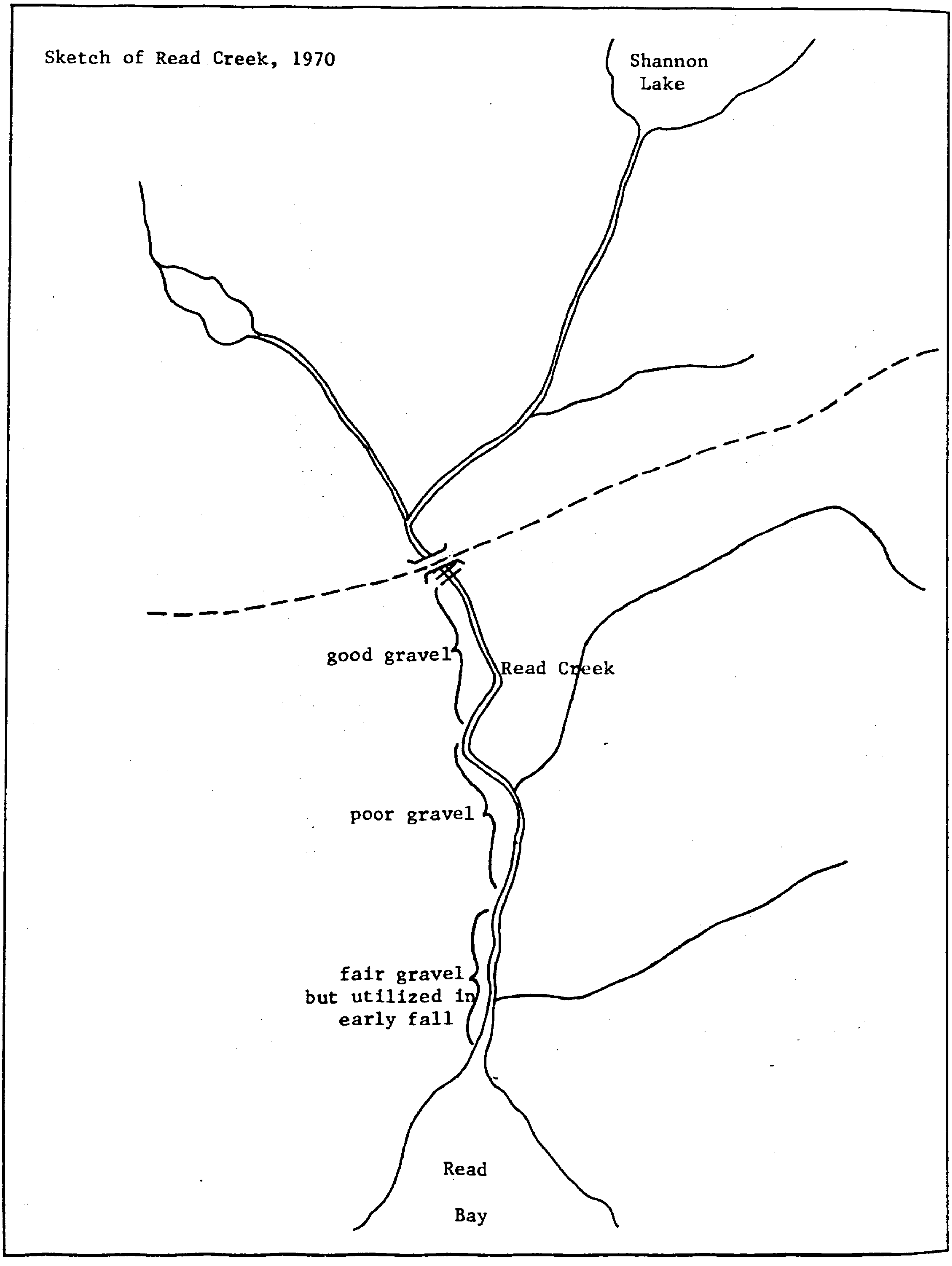
ESCAPEMENT RECORD FOR QUINSAM RIVER

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947						
48						
49						
50						
51						
52						
53						
54						
55		*NO RECORDS PRIOR TO 1957 (Except for 1935)				
56						
57		25	7500	1500	3500	750
58		75	1500	3500	7500	1500
59		25	7500	200	3500	UNK
60		25	1500	200	750	UNK
61			7500	750	3500	UNK
62			7500	750	750	UNK
63			3500	750	3500	UNK
64			3500	200	1500	UNK
65			12000	400	3000	UNK
66			3500	400	1500	UNK
67			1500	750	1500	UNK
68	75		3500	200	1500	UNK
69	N/O		750	400	750	UNK
70	N/O	N/O	3500	750	1500	UNK
71	25	25	1500	400	400	UNK
72	200	75	1500	1500	3500	UNK
73	38	5	4650	1000	4000	N/O
74	25	75	3500	400	7500	UNK
75	25	200	3500	400	30000	UNK
76						
77						
78						
79						
80						
81						
82						
83						
84						
85						
Time						
Arr.	AUG		SEPT	OCT	E SEPT	
Start	SEPT	SEPT	L SEPT	OCT	SEPT	
Peak	L SEPT	L SEPT	E NOV	OCT	SEPT	
End	OCT	OCT	DEC	L NOV	OCT	

REMARKS

* Prior to 1957, Quinsam River escapements were included in Campbell River counts.

READ CREEK: For topographical map, refer to STAFFORD RIVER, page 143.



NAME OF STREAM READ CREEK

CONSERVATION DISTRICT 5 STATISTICAL AREA 13

LOCATION OF MOUTH Flows S. into Read Bay, Topaze Hr., Rge. 1 - Coast Dist.

POSITION 50 125 N.W.

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

- A difficult passage at 4.0 mi. allows only coho to ascend. The passage is blocked by two large boulders.

SPAWNING DISTRIBUTION:

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	throughout
CHUM	lower 3.5 mi.
PINK (ODD YR)	lower 3.5 mi.
PINK (EVEN YR)	lower 3.5 mi.
STEELHEAD	throughout

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

- The removal of the obstruction would give coho and steelhead free access to the excellent spawning and rearing areas of upper Read Creek and tributaries.

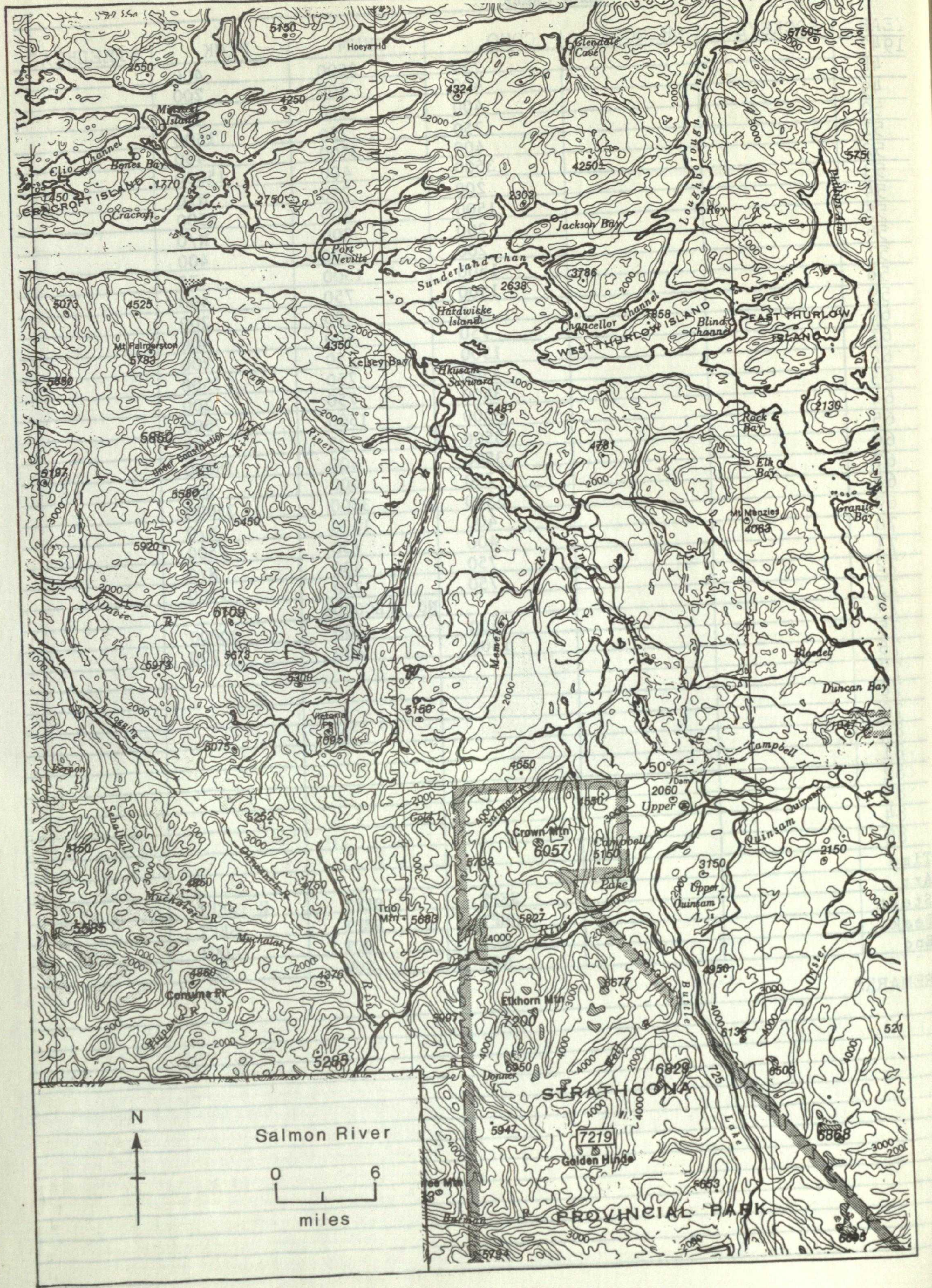
GENERAL REMARKS:

- The reduced salmon production of recent years is thought to be due to altered run-off patterns caused by logging in the late 1930's and 1940's. (1975)
- Stream side cover is excellent at present. (1975)
- With the exception of a half mile rocky stretch upstream of tidewater, excellent spawning gravel extends throughout the system. (1975)

ESCAPEMENT RECORD FOR READ CREEK

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			750	3500	400	
48			400	400	200	
49			400	750	200	
50			750	750	1500	
51			400	3500	400	
52			3500	400	15000	
53			200	750	N/O	
54			1500	400	3500	
55			200	200	N/O	
56			200	400	400	
57			1500	1500	75	
58			1500	750	400	
59			400	400	200	
60			750	400	400	
61			1500	750	200	
62			3500	750	3500	
63			3500	750	200	
64			3500	1500	7500	
65			3500	25	75	
66			3500	400	15000	
67			750	400	200	
68			3500	3500	35000	
69			400	1500	N/O	
70			400	750	7500	
71			750	400	N/O	
72			750	750	7500	
73				NO RECORDS		
74			400	400	20000	
75			1500	200	200	
76						
77						
78						
79						
80						
81						
82						
83						
84						
85						
Time						
Arr.			SEPT	SEPT	E SEPT	
Start			SEPT	SEPT	SEPT	
Peak			OCT	OCT	OCT	
End			NOV	NOV	OCT	

REMARKS


Salmon River
N
0
6
miles
Hoeya Hd
Glendale Cove
Loughborough Inlet
Clio Channel
Bones Bay
CRACROFT ISLAND
Cracroft
Port Neville
Sunderland Chan
Jackson Bay
Hardwicke Island
Chancellor Channel
WEST THURLOW ISLAND
Blind Channel
EAST THURLOW ISLAND
Kelsey Bay
Hkusam
Sayward
Mt Palmerston
Adam River
Under Construction
Eve R
Rock Bay
Elk Bay
Mt Menzies
Granite Bay
Davie R
Memekay R
Bloedel
Duncan Bay
Campbell L
Victoria Pk
Upper
Dam
Quinsam
Crown Mtn
Campbell Lake
Upper Quinsam L
Oyster River
Gold L
Gold R
Muchalat R
Muchalat L
Conuma Pk
Tahsis Mtn
Elkhorn Mtn
Buttle Lake
Donner
STRATHCONA
PROVINCIAL PARK
Golden Hinde
Burman

NAME OF STREAM SALMON RIVER

CONSERVATION DISTRICT 5 STATISTICAL AREA 13

LOCATION OF MOUTH Flows N.E. and N.W. into Salmon Bay, Johnstone Str. - Sayward Dist.

POSITION 50 125 S.W.

LENGTH 22.0 MI. WIDTH ____ FT. DRAINAGE 519 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 2294 CFS MAX 56,700 cfs 15/01/61 MIN 910 cfs 29/09/67

TEMPERATURE ____

BARRIERS OR POINTS OF DIFFICULT ASCENT

- An impassable 15 ft. accumulation of debris and bedload occurs at 22.0 mi. Blasted by B.C.F. & W. in 1976 - results unkown to date. (Jan./77)

SPAWNING DISTRIBUTION:

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	main stream to 15 mi., White River to 18 mi.
COHO	throughout
CHUM	to 4 mi.
PINK (ODD YR)	main stream to 15 mi., Elk Creek, White River, Big Tree Creek
PINK (EVEN YR)	
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

- Potential benefits from removing the obstruction would be an additional 8 mi. of spawning and rearing areas for coho salmon and steelhead trout.

GENERAL REMARKS:

- Logging commenced in the lower Salmon River shortly before the turn of the century.
- B.C. Hydro built an 18.5 ft. dam at about mile 28 on the mainstem of the Salmon River to divert the waters of the upper Salmon River into the Campbell River system. (1957)
- Slides occurred on several occasions causing heavy silting to the White River. (1967)
- Logging road access is completed to White River. (1968)
- Silting of the White River is still a problem. (1969)
- The White River system will be subject to intensive logging for the next 20-30 years. (1972)

GENERAL REMARKS: (Cont'd)

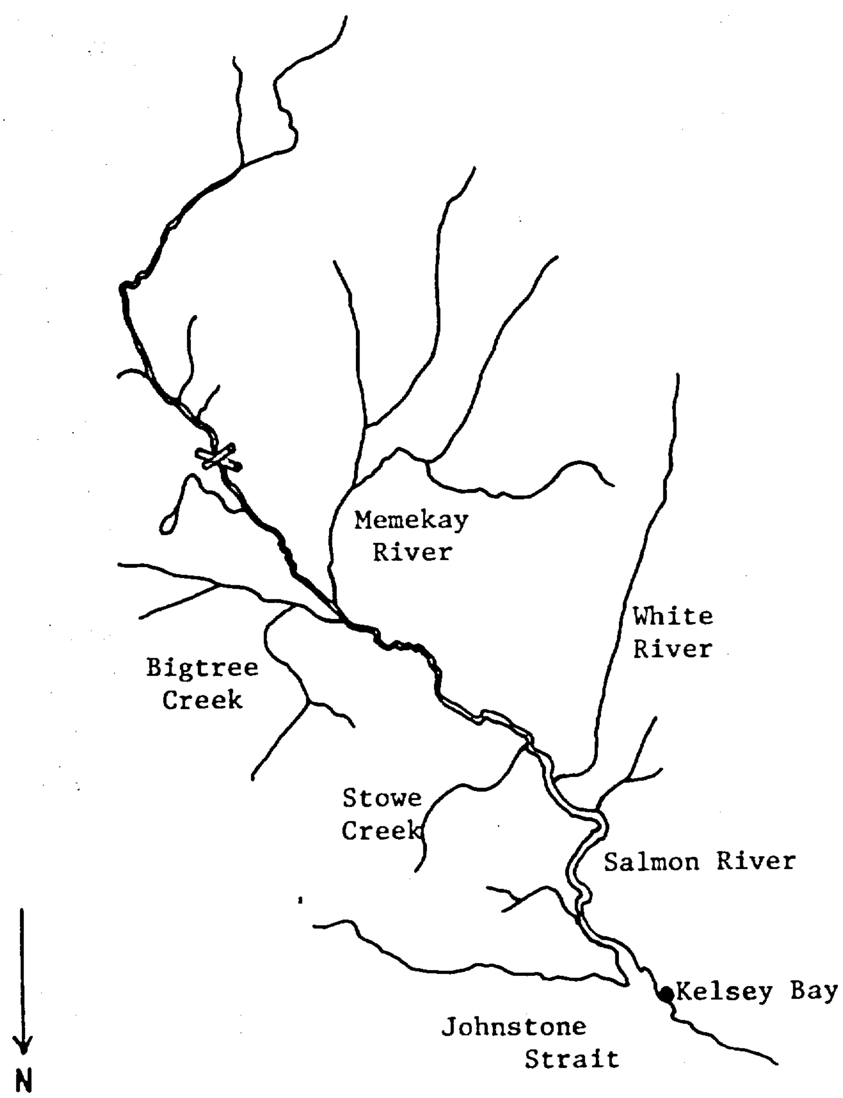
- The Dept. of Highways is constructing a road adjacent to the Elk Creek tributary. (1975)
- Road washouts occurred on the White River and two bridges were washed out on the Salmon River. (1975)

References:

Fielden, J. 1971. Possible Remedial Measures to Rehabilitate Salmon Stocks in the Salmon River System. Dept. of Fisheries and Forestry. Memo. 31-3-S18 5p.

Nielsen, G.O. and E.R. Zyblut. 1973. Salmon River Obstruction. D.O.E., F.M.S., Pac. Reg. Memo. 31-3-S18 4p & Appendix.

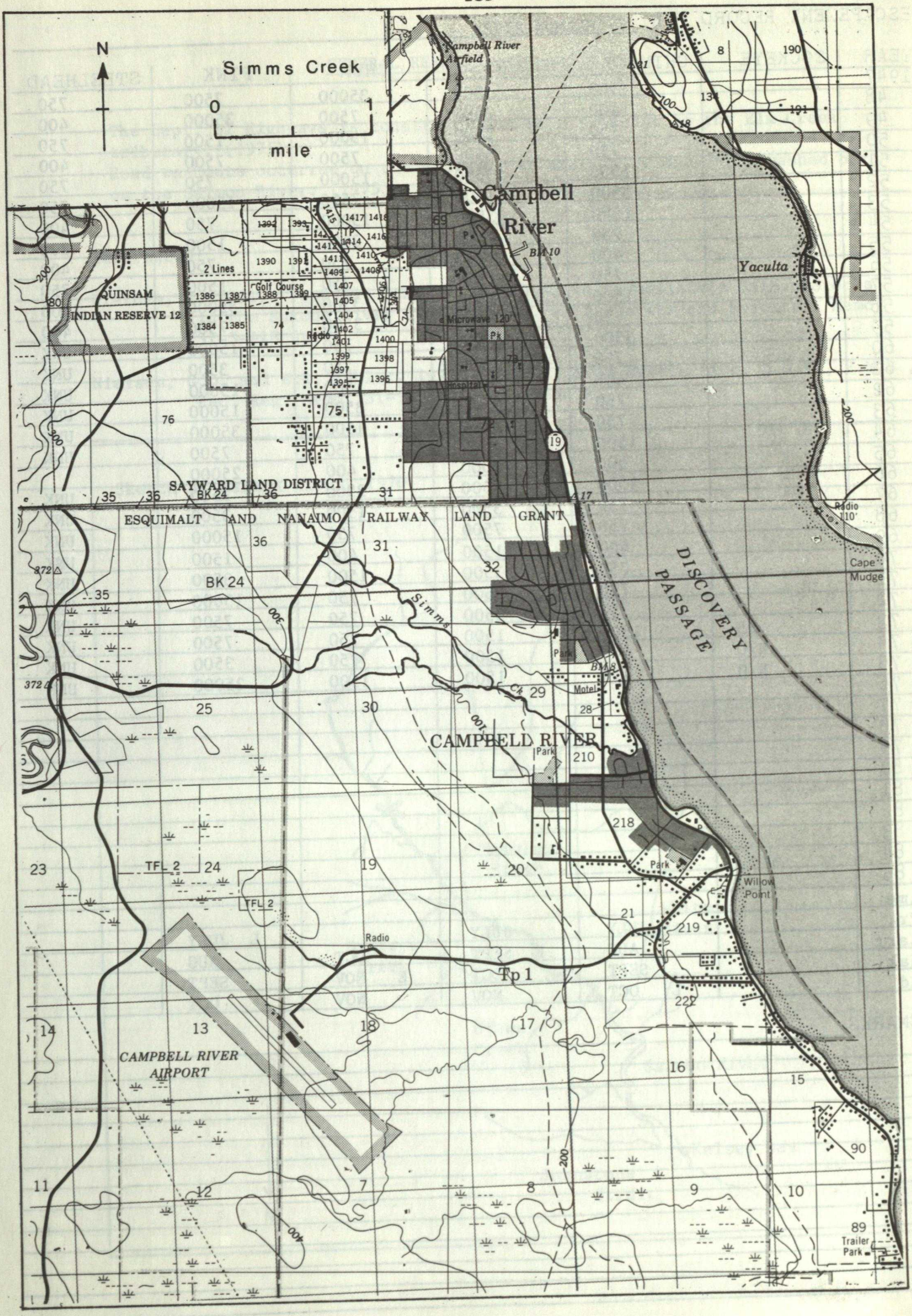
Sketch of Salmon River, 1970



ESCAPEMENT RECORD FOR SALMON RIVER

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947		1500	3500	35000	7500	750
48		400	7500	7500	35000	400
49		750	3500	15000	1500	750
50		750	3500	7500	7500	400
51		1500	3500	15000	750	750
52		3500	7500	7500	15000	750
53		1500	3500	15000	750	400
54		750	1500	3500	1500	200
55		400	750	750	750	400
56		750	1500	750	1500	750
57		1500	1500	3500	35000	1500
58		750	1500	3500	7500	400
59		3500	7500	750	15000	UNK
60		750	1500	750	3500	UNK
61		400	3500	1500	15000	UNK
62		750	7500	3500	15000	UNK
63		750	3500	1500	35000	UNK
64		1500	7500	750	7500	UNK
65		500	9000	400	25000	
66		1500	3500	3500	3500	UNK
67		750	3500	1500	3500	UNK
68		750	7500	750	15000	UNK
69		400	1500	400	1500	UNK
70		750	3500	1500	3500	UNK
71		750	3500	750	15000	UNK
72		750	3500	750	7500	UNK
73	25	1500	1500	750	7500	UNK
74	N/O	400	1500	750	3500	UNK
75	N/O	750	1500	1500	25000	UNK
76						
77						
78						
79						
80						
81						
82						
83						
84						
85						
Time						
Arr.		JULY	JULY		L JULY	
Start		AUG	E SEPT	OCT	AUG	
Peak		SEPT	OCT	E NOV	SEPT	
End		L OCT	NOV	NOV	OCT	

REMARKS


Simms Creek
N
0
1
mile
Campbell River Airfield
Campbell River
BM 10
Yaculta
QUINSAM
INDIAN RESERVE 12
2 Lines
Golf Course
Microwave 120'
Hospital
Radio
SAYWARD LAND DISTRICT
BK 24
ESQUIMALT AND NANAIMO RAILWAY LAND GRANT
Simms
DISCOVERY PASSAGE
Radio 110'
Cape Mudge
Park
Motel
CAMPBELL RIVER
Willow Point
TFL 2
Tp 1
CAMPBELL RIVER AIRPORT
Trailer Park

NAME OF STREAM SIMMS CREEK

CONSERVATION DISTRICT 5 STATISTICAL AREA 13

LOCATION OF MOUTH Flows S.E. and N.E. into Str. of Georgia, S. of Campbell R. village - Comox Dist. POSITION 49 125 N.E.

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

- Strong S.E. gales occasionally block the entrance culvert with debris.

SPAWNING DISTRIBUTION:

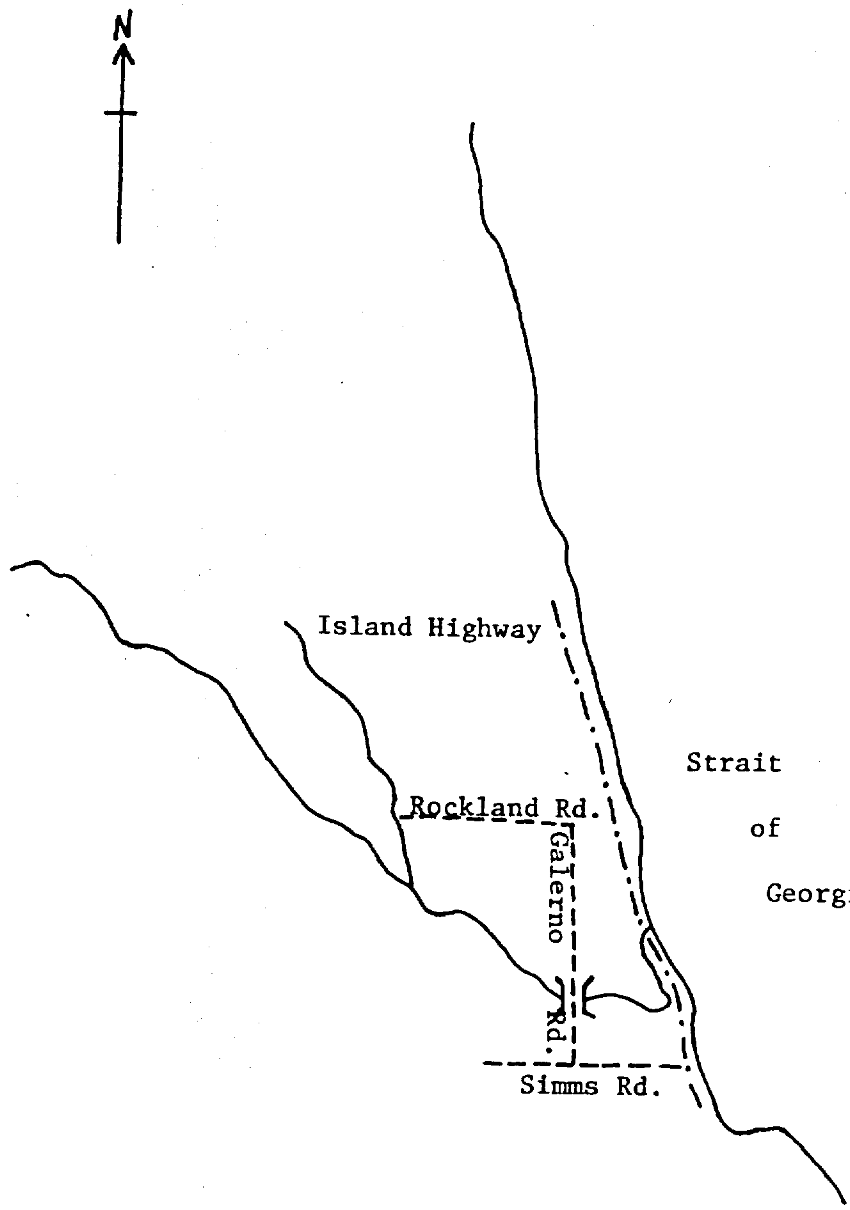
SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	throughout
CHUM	
PINK (ODD YR)	
PINK (EVEN YR)	
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM ____

GENERAL REMARKS:

- Stream clearing carried out in 1970 had a lasting effect and the stream is still in good condition. (1971)
- This stream appears to be a well defined stream with good gravel and abundant cover. (1975)
- This stream could suffer from the impact of urban development in the future. (1975)

Sketch of Simms Creek, 1975



ESCAPEMENT RECORD FOR SIMMS CREEK

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

REMARKS


Southgate River
N
0
4
miles
Teaquahan River
Cumsack River
Homathko Snowfield
COAST MOUNTAINS
Waddington Harbour
FALCON MTN
MT GILBERT
Bear Bay

NAME OF STREAM SOUTHGATE RIVER

CONSERVATION DISTRICT 5 STATISTICAL AREA 13

LOCATION OF MOUTH Flows S.W. and W. into Waddington Hr., Bute Inlet, Rge. 1 - Coast Dist. POSITION 50 124 N.W.

LENGTH 32.0 MI. WIDTH ____ FT. DRAINAGE 824 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 rapids and falls at 32.0 mi.

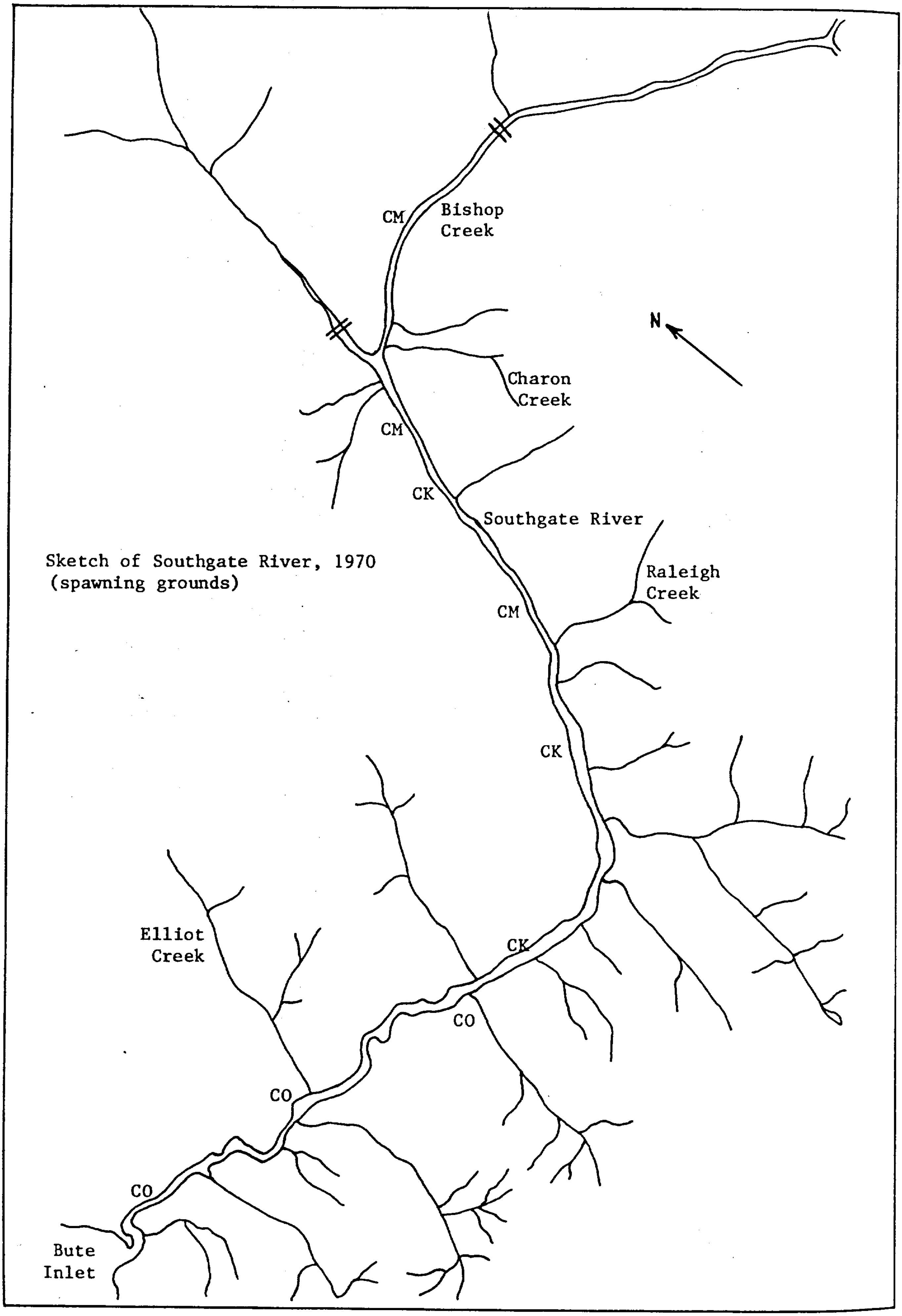
SPAWNING DISTRIBUTION:

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	to 30 mi.
COHO	throughout
CHUM	to 30 mi.
PINK (ODD YR)	
PINK (EVEN YR)	
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS:

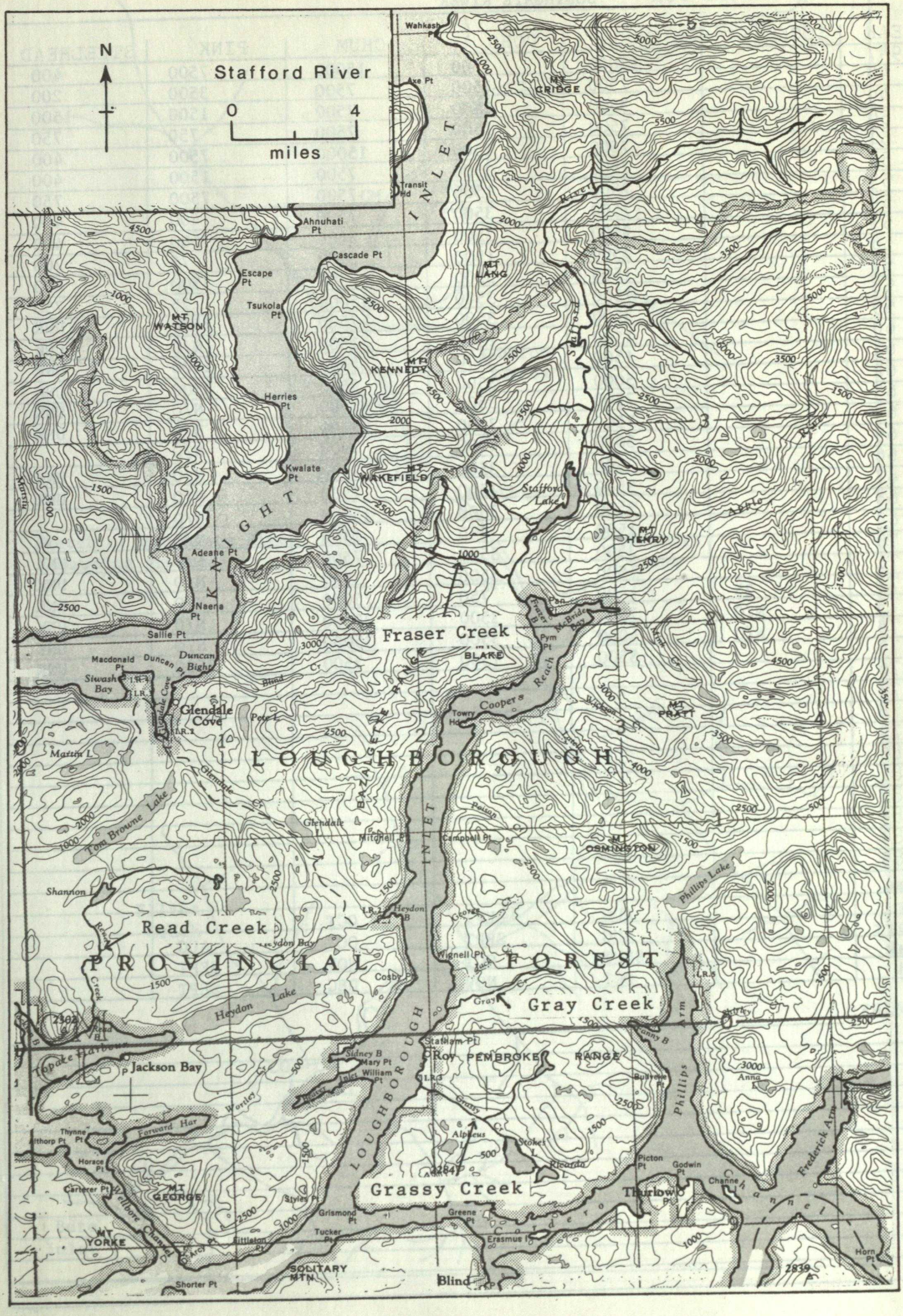
- One mile of stream bed has changed course at approx. 15 miles. (1967)
- Logging was carried out this year in the valley. The logging road which is parallel to the main river is now impassable beyond 21 miles. (1974)


CM
Bishop
Creek
N
Charon
Creek
CM
CK
Southgate River
Sketch of Southgate River, 1970
(spawning grounds)
Raleigh
Creek
CM
CK
Elliot
Creek
CK
CO
CO
CO
Bute
Inlet

ESCAPEMENT RECORD FOR SOUTHGATE RIVER

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947		15000	3500	15000	7500	400
48		7500	1500	7500	3500	200
49		3500	1500	7500	1500	1500
50		7500	1500	7500	750	750
51		7500	1500	15000	7500	400
52		7500	3500	7500	1500	400
53		7500	1500	7500	7500	750
54		7500	3500	7500	400	400
55		3500	3500	3500	7500	400
56		3500	1500	3500	75	200
57		1500	3500	7500	7500	400
58		7500	3500	15000	75	750
59		3500	3500	7500	7500	UNK
60		1500	1500	1500	N/O	UNK
61		1500	3500	3500	1500	UNK
62		5000	3500	3500	3500	UNK
63		7500	3500	3500	N/O	UNK
64		7500	7500	15000	N/O	UNK
65		3000	6000	2000	N/O	
66		3500	3500	7500	N/O	UNK
67		3500	7500	7500	N/O	UNK
68		3500	3500	15000	N/O	
69		1500	750	7500	N/O	
70		3500	3500	7500	N/O	UNK
71		1500	3500	3500	N/O	UNK
72	25	1500	750	75000	N/O	UNK
73	N/O	7500	3500	35000	N/O	UNK
74	N/O	4000	3500	35000	N/O	UNK
75		3500	1500	3500	3500	UNK
76						
77						
78						
79						
80						
81						
82						
83						
84						
85						
Time						
Arr.		AUG	SEPT	OCT		
Start		AUG	SEPT	OCT	AUG	
Peak		SEPT	OCT	NOV	SEPT	
End		OCT	NOV	E DEC	SEPT	

REMARKS


Stafford River
N
0 4
miles
Fraser Creek
Read Creek
Gray Creek
Grassy Creek
KNIGHT INLET
LOUGHBOROUGH
PROVINCIAL FOREST
LOUGHBOROUGH INLET
MT WATSON
MT KENNEDY
MT WAKEFIELD
MT LANG
MT GRIDGE
MT HENRY
MT BLAKE
MT PRATT
MT OSMINGTON
MT GEORGE
MT YORKE
SOLITARY MTN
Stafford Lake
Phillips Lake
Heydon Lake
Tom Browne Lake
Glendale Cove
Jackson Bay
PEMBROKE RANGE
Phillips Arm
Frederick Arm
Thurlow
Wahkash Pt
Axe Pt
Transit Hd
Ahnuhati Pt
Cascade Pt
Escape Pt
Tsukola Pt
Herries Pt
Kwalate Pt
Adeane Pt
Naena Pt
Sallie Pt
Macdonald Pt
Duncan Pt
Duncan Bight
Siwash Bay
Towry Hd
Cooper's Reach
Pym Pt
Mitchell Pt
Campbell Pt
Heydon B
Wignell Pt
Statham Pt
Roy
Sidney B
Mary Pt
William Pt
Thynne Pt
Althorp Pt
Horace Pt
Carterer Pt
Forward Har
Styles Pt
Grismond Pt
Tucker Pt
Greene Pt
Erasmus I
Picton Pt
Godwin Pt
Channe Pt
Shorter Pt
Blind
Shannon
Horn Pt

NAME OF STREAM STAFFORD RIVER

CONSERVATION DISTRICT 5 STATISTICAL AREA 13

LOCATION OF MOUTH Flows S. into Frazer Bay, N. end of Loughborough Inlet, Rge. 1 - Coast Dist. POSITION 50 125 N.E.

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
- Impassable falls at 1.0 mi.

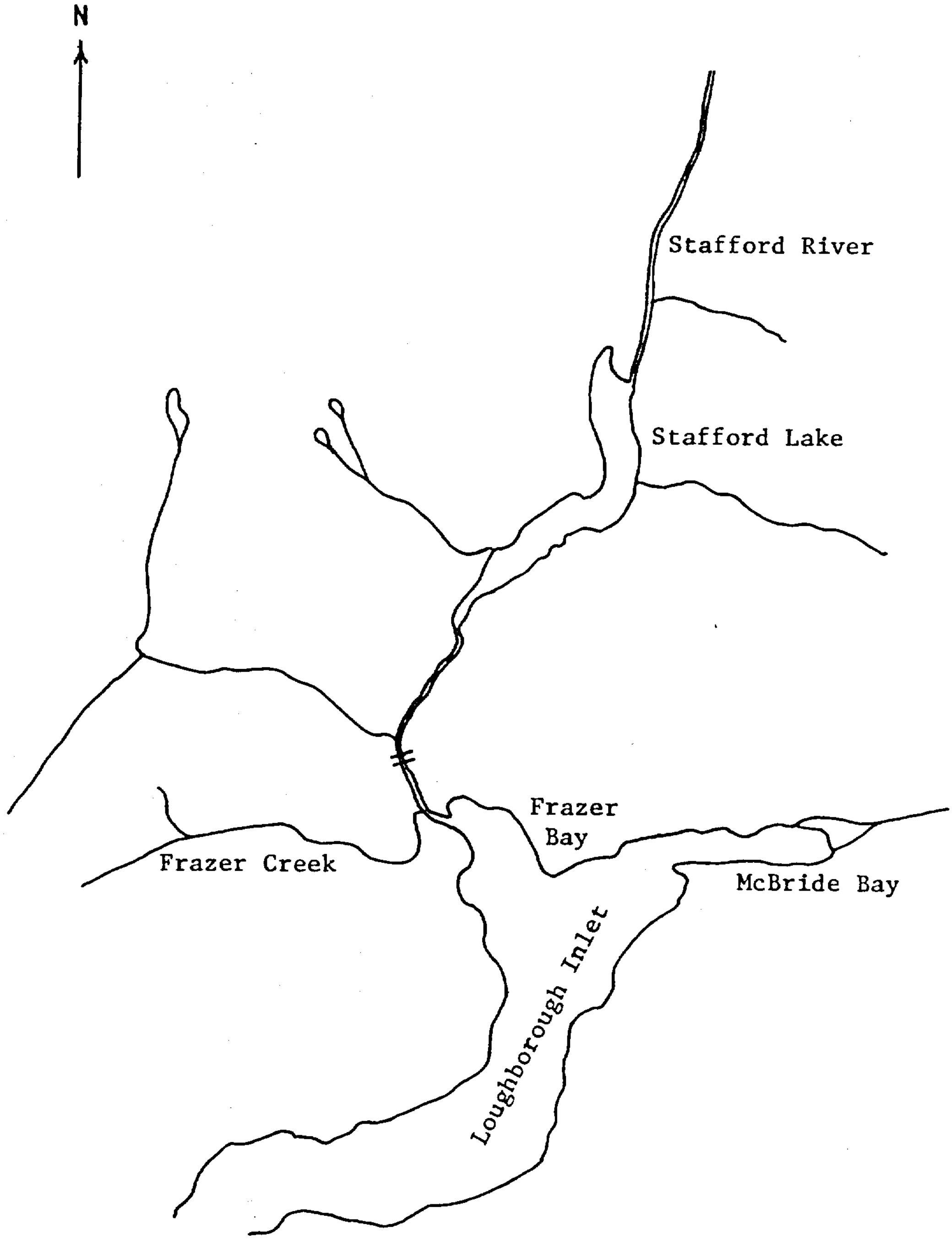
SPAWNING DISTRIBUTION:

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

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS:
- Abnormal high water conditions caused near total loss of spawn of all salmon species. (1965)

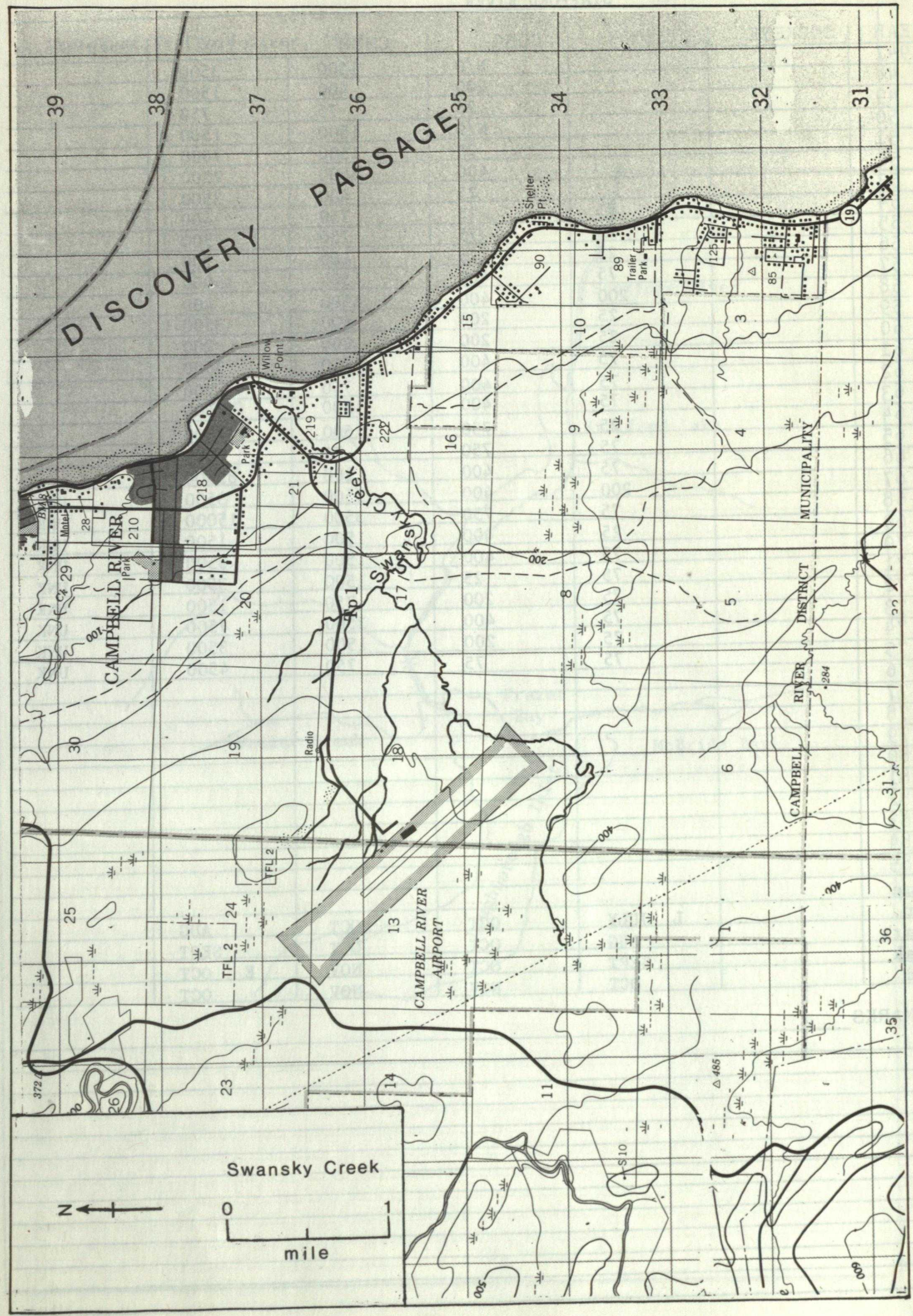
Sketch of Stafford River, 1970



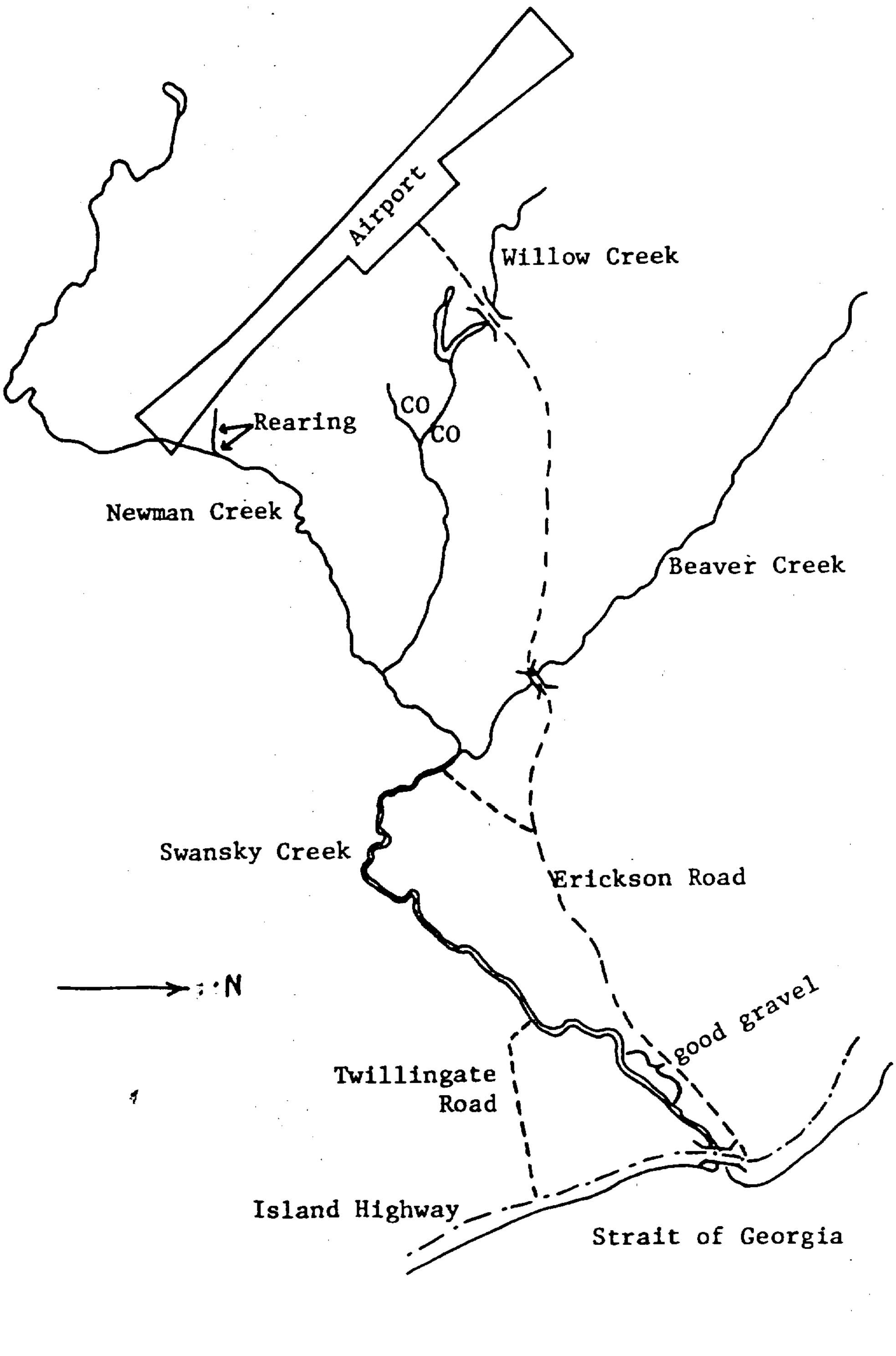
ESCAPEMENT RECORD FOR STAFFORD RIVER

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			N/O	1500	3500	
48			200	400	1500	
49			25	75	750	
50			N/O	1500	1500	
51			25	1500	7500	
52			400	3500	7500	
53			25	400	3500	
54		75	25	750	400	
55		25	75	750	7500	
56		25	75	400	200	
57		75	400	1500	15000	
58		200	400	1500	400	
59		25	200	400	3500	
60		25	200	400	200	
61		75	400	750	3500	
62		75	400	750	200	
63		75	400	1500	7500	
64		25	750	1500	1500	
65		75	750	75	6000	
66		75	400	200	35000	
67		200	400	3500	3500	UNK
68		75	750	3500	15000	UNK
69		25	400	1500	1500	UNK
70		75	400	1500	3500	UNK
71		75	25	1500	3500	UNK
72		75	200	750	1500	UNK
73		75	400	3500	7500	UNK
74		75	200	1500	3500	UNK
75		75	75	750	4500	UNK
76						
77						
78						
79						
80						
81						
82						
83						
84						
85						
Time						
Arr.		L JULY	OCT	OCT	AUG	
Start		AUG	OCT	OCT	SEPT	
Peak		SEPT	OCT	NOV	E OCT	
End		OCT	NOV	NOV	OCT	

REMARKS


Swansky Creek
N
0
1
mile
DISCOVERY PASSAGE
CAMPBELL RIVER
CAMPBELL RIVER AIRPORT
CAMPBELL RIVER DISTRICT MUNICIPALITY
Willow Point
Shelter Pt
Trailer Park
Motel
Park
Radio
Swansky Creek
TFL 2

Sketch of Swansky Creek, 1970
(spawning grounds)



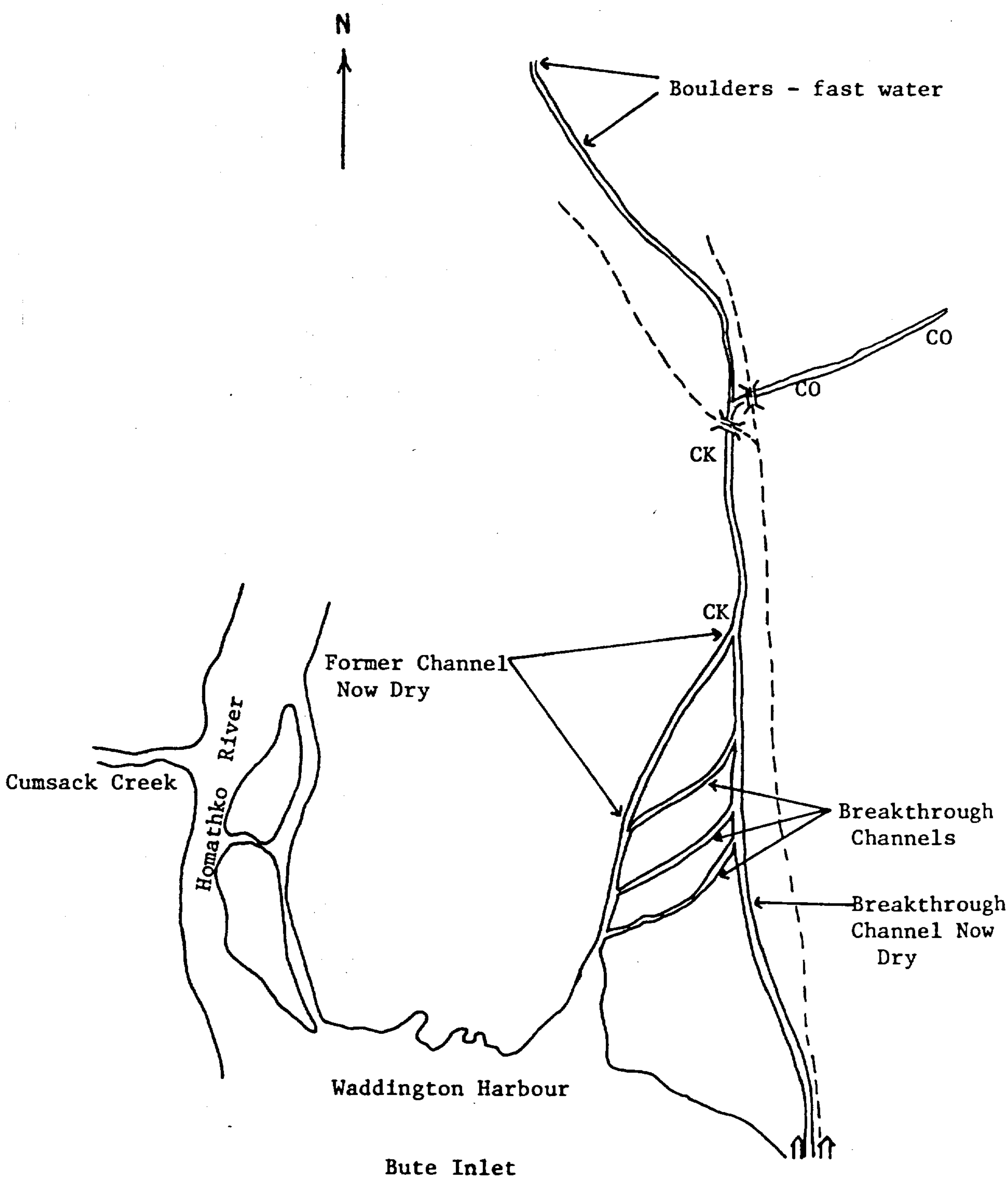
ESCAPEMENT RECORD FOR (Swansky Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			200	1500		
48			75	75	25	
49			200	75		
50			200	25		
51			75	75		
52			750	75		
53			200	75		
54			200	25		
55			200	25		
56			200			
57			400			
58			400			
59			200			
60			200			
61			1500			
62			750			
63			750			
64			3000			
65			4000			
66			3500			
67			750			
68			1500			
69			N/O			
70			1500			
71			1500			
72			400			
73			1500			
74			1500			
75			400			
76						
77						
78						
79						
80						
81						
82						
83						
84						
85						
Time						
Arr.			L OCT			
Start			OCT			
Peak			NOV			
End			DEC			

REMARKS

TEAQUAHAN RIVER: For topographical map, refer to SOUTHGATE RIVER, page 139.

Sketch of Teaquahan River, 1968
(spawning grounds)



139.

NAME OF STREAM TEAQUAHAN RIVER (Eva Creek)

CONSERVATION DISTRICT 5 STATISTICAL AREA 13

LOCATION OF MOUTH Flows S.W. and S. into head of Bute Inlet, Rge. 1 - Coast Dist.

POSITION 50 124 N.W.

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

- Falls and cascades at 2.0 mi. are passable to salmon at certain water conditions.

SPAWNING DISTRIBUTION:

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	to 2 mi.
COHO	throughout
CHUM	lower 1 mi.
PINK (ODD YR)	
PINK (EVEN YR)	
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

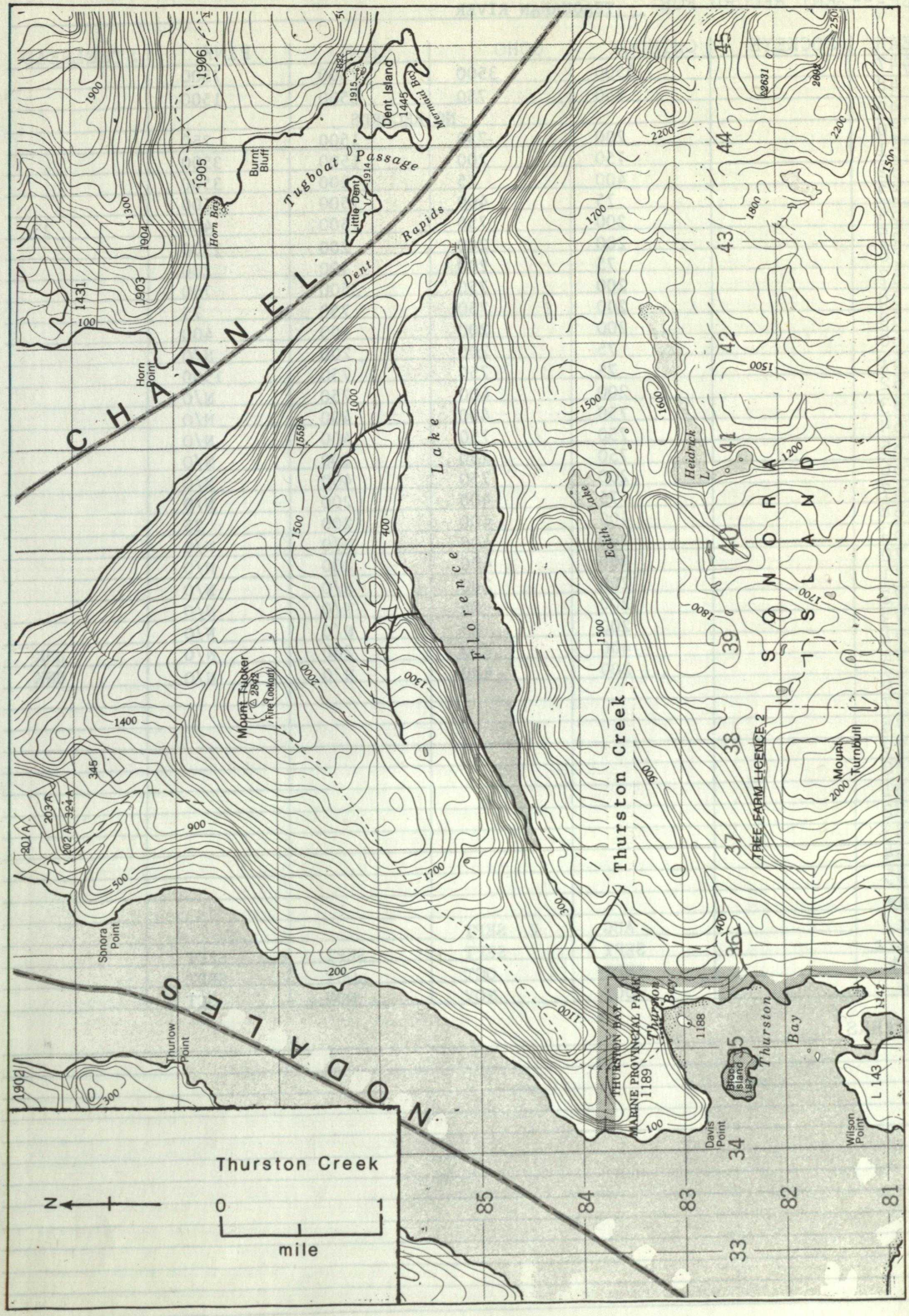
GENERAL REMARKS:

- This stream is subject to extreme fluctuations. Changes in stream course are noticeable during high water periods.
- Stream improvements were carried out under direction of Resource Dept. Branch, (1969)
- Dyking in the main channel in 1969 improved the first 1.5 mi., however, erosion is still a problem with tributaries during high water levels. (1970)
- The lower mile of this stream is very unstable due to erosion and frequent changes which occur in the stream course. (1973)
- The lower portion of the stream remained stable. (1974)

ESCAPEMENT RECORD FOR TEAQUAHAN RIVER

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947		3500	3500	7500	7500	
48		750	750	3500	1500	
49			NO	RECORDS		
50		200	750	1500	750	
51		750	200	1500	3500	
52		400	75	200	3500	
53		75	400	1500	3500	
54		200	750	1500	400	25
55		200	200	200	1500	
56		75	200	400	200	
57		200	750	3500	750	
58		200	750	750	75	
59		200	200	400	400	
60		75	200	200	N/O	
61		75	750	750	1500	
62		200	400	750	N/O	
63		750	400	400	N/O	
64		750	750	400	N/O	
65		750	750	200	N/O	
66		200	750	400	N/O	
67		75	400	200	N/O	
68		400	400	200	25	
69		200	400	N/O	N/O	
70		400	400	200	N/O	
71		200	200	N/O	N/O	
72		200	25	N/O	N/O	
73		200	25	N/O	N/O	
74		400	750	200	N/O	UNK
75		200	400	N/O	N/O	UNK
76						
77						
78						
79						
80						
81						
82						
83						
84						
85						
Time						
Arr.		AUG	E SEPT			
Start		SEPT	SEPT	SEPT	SEPT	
Peak		SEPT	OCT	OCT	SEPT	
End		OCT	NOV	NOV	OCT	

REMARKS


CHANNEL
NODALES
SONORA ISLAND
Thurston Creek
Florence Lake
Edith Lake
Heidrick L
Mount Tucker
Fire Lookout
Mount Turnbull
TREE FARM LICENCE 2
THURSTON BAY MARINE PROVINCIAL PARK
Thurston Bay
Dent Island
Little Dent
Tugboat Passage
Dent Rapids
Mermaid Bay
Burnt Bluff
Horn Bay
Horn Point
Sonora Point
Thurlow Point
Davis Point
Block Island
Wilson Point
Thurston Creek
N
0
1
mile

NAME OF STREAM (Not Gazetted) (Thurston Creek)

CONSERVATION DISTRICT 5 STATISTICAL AREA 13

LOCATION OF MOUTH Flows S.W. into Thurston Bay, W. side of Sonora Is. - Sayward Dist. POSITION 50 125 S.E.

LENGTH 0.5 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 dam at 0.5 mi.

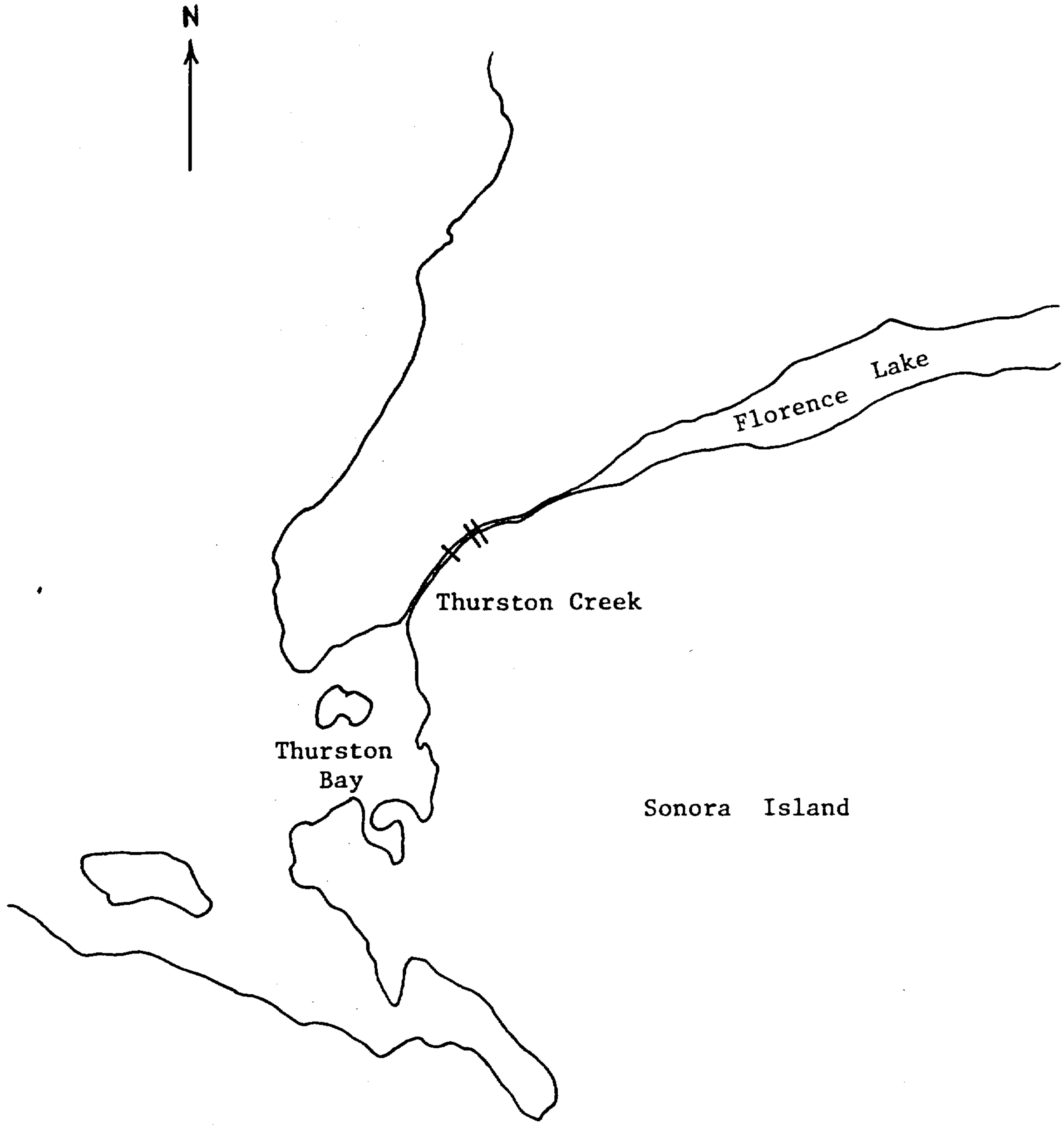
SPAWNING DISTRIBUTION:

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

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS:

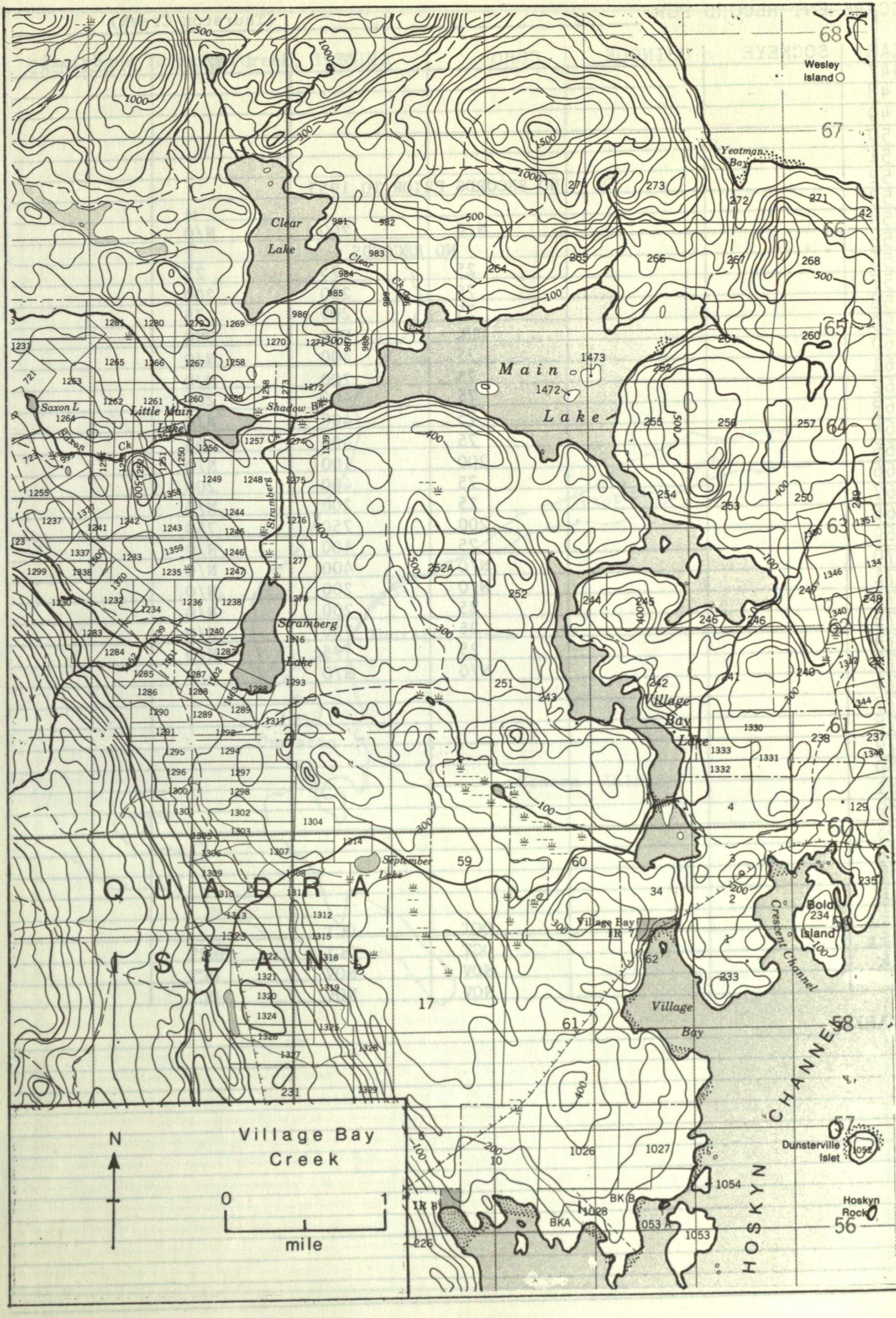
Sketch of Thurston Creek, 1970



ESCAPEMENT RECORD FOR (Thurston Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947						
48						
49						
50						
51						
52			NO RECORDS PRIOR TO 1953			
53						
54			N/O	200	N/O	
55			NO RECORDS			
56			25	75	25	
57			75	200	200	
58			75	200	75	
59			UNK	UNK	UNK	
60			75	400	N/O	
61			75	200	N/O	
62			75	400	200	
63			75	400	N/O	
64			75	400	200	
65			200	100	N/O	
66			75	400	200	
67			25	200	N/O	
68			200	750	750	
69			25	400	N/O	
70			N/O	400	N/O	
71			N/O	200	N/O	
72			25	200	N/O	
73			25	750	N/O	
74			25	75	N/O	
75			N/O	N/O	N/O	
76						
77						
78						
79						
80						
81						
82						
83						
84						
85						
Time						
Arr.			OCT	OCT		
Start			OCT	OCT	SEPT	
Peak			NOV	NOV	OCT	
End			NOV	NOV	OCT	

REMARKS


Village Bay
Creek
N
0
1
mile
QUADRA
ISLAND
Clear Lake
Clear Ck
Main Lake
Little Main Lake
Saxon L
Saxon Ck
Shadow Bk
Stramberg Ck
Stramberg Lake
September Lake
Village Bay Lake
Village Bay
Village Bay IR 7
IR 8
Crescent Channel
HOSKYN CHANNEL
Bold Island
Yeatman Bay
Wesley Island
Dunsterville Islet
Hoskyn Rock

NAME OF STREAM (Not Gazetted) (Village Bay Creek)

CONSERVATION DISTRICT 5 STATISTICAL AREA 13

LOCATION OF MOUTH Flows S. into Village Bay, E. side of Quadra Is. - Sayward

POSITION 50 125 S.E.

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:

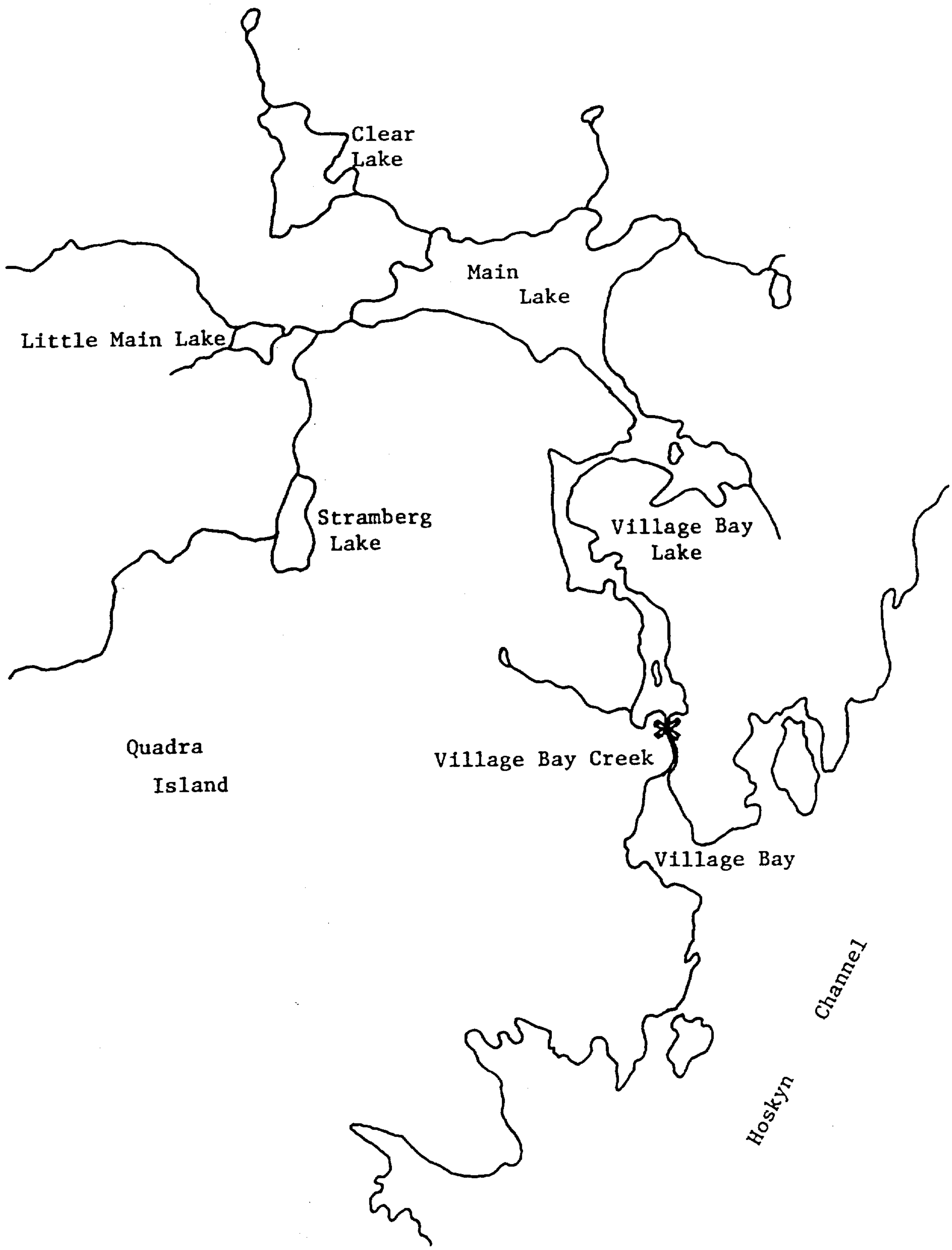
SPECIES	SECTION OF STREAM USED
SOCKEYE	above Main Lake
CHINOOK	
COHO	throughout
CHUM	below Main Lake
PINK (ODD YR)	
PINK (EVEN YR)	
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM ____

GENERAL REMARKS:

- An extensive system capable of producing large numbers of pinks, chum and coho salmon. (1959)

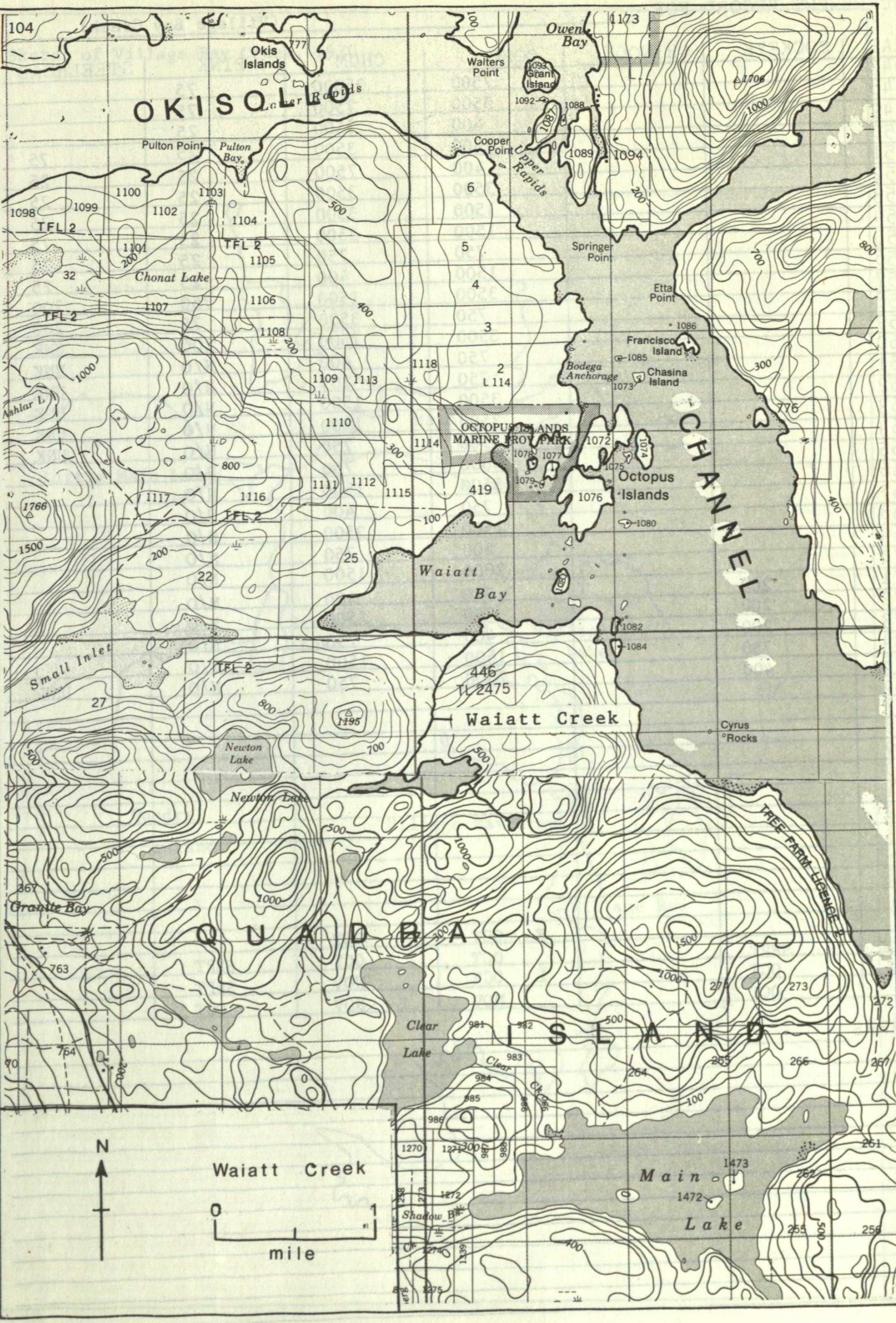
Sketch of Village Bay Creek, 1970



ESCAPEMENT RECORD FOR (Village Bay Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			7500	35000	75	
48			3500	7500	75	
49			400	3500	25	
50			1500	3500	25	75
51			400	7500	25	25
52			3500	3500	25	25
53			1500	3500	25	25
54			1500	3500	25	75
55			750	750	25	25
56			1500	400	25	25
57			3500	1500	750	200
58			750	3500	75	200
59			3500	7500	200	UNK
60			750	400	N/O	UNK
61			750	200	N/O	UNK
62			3500	1500	N/O	UNK
63			3500	1500	N/O	UNK
64			1500	750	N/O	UNK
65			4000	750	N/O	
66			3500	1500	N/O	
67			750	400	N/O	
68			1500	3500	N/O	
69			200	750	N/O	
70			2000	1500	N/O	
71	200		750	400	N/O	
72	200		750	3500	N/O	
73	200		400	750	N/O	
74	750		1500	1500	N/O	
75	400		7500	750	N/O	UNK
76						
77						
78						
79						
80						
81						
82						
83						
84						
85						
Time						
Arr.			E OCT	OCT		
Start	SEPT		OCT	OCT	SEPT	
Peak	OCT		L OCT	NOV	SEPT	
End	OCT		NOV	L NOV	OCT	

REMARKS


OKISOLLO
CHANNEL
QUADRA
ISLAND
Okis Islands
Lower Rapids
Upper Rapids
Walters Point
Grant Island
Cooper Point
Owen Bay
Pulton Point
Pulton Bay
Chonat Lake
TFL 2
Springer Point
Etta Point
Francisco Island
Bodega Anchorage
Chasina Island
OCTOPUS ISLANDS MARINE PROV. PARK
Octopus Islands
Waiatt Bay
Waiatt Creek
Cyrus Rocks
Small Inlet
Ashlar L.
Newton Lake
Granite Bay
Clear Lake
Clear Ck.
Main Lake
Shadow Bk.
TREE FARM LICENCE 2
446
TL 2475
419
Waiatt Creek
N
0
1
mile

NAME OF STREAM (Not Gazetted) (Waiatt Creek)

CONSERVATION DISTRICT 5 STATISTICAL AREA 13

LOCATION OF MOUTH Flows N. into Waiatt Bay, N.E. side of Quadra Is. - Sayward Dist.

POSITION 50 125 S.E.

LENGTH 0.8 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 0.8 mi.

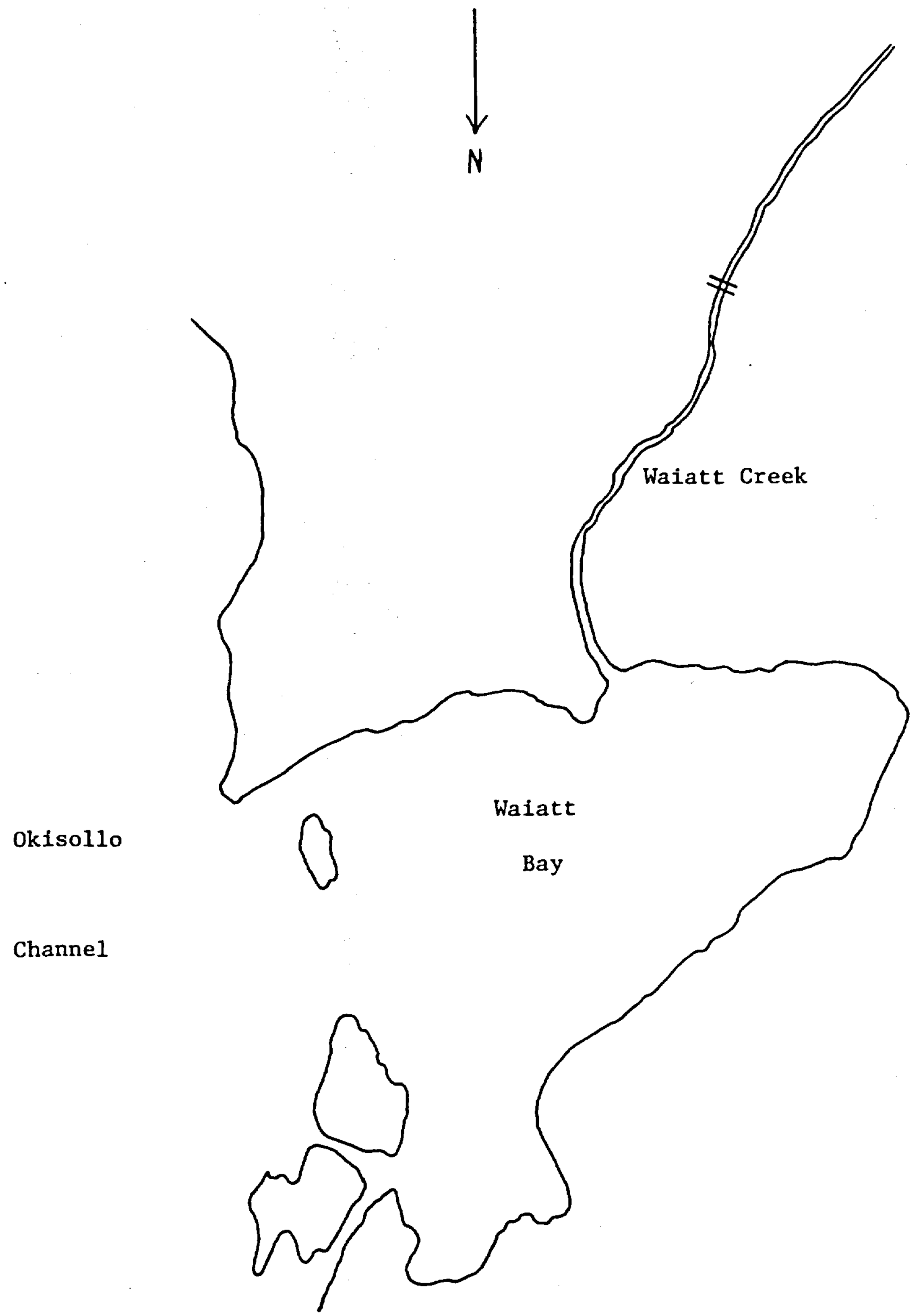
SPAWNING DISTRIBUTION:

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	
CHUM	lower 0.5 mi.
PINK (ODD YR)	
PINK (EVEN YR)	
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS:

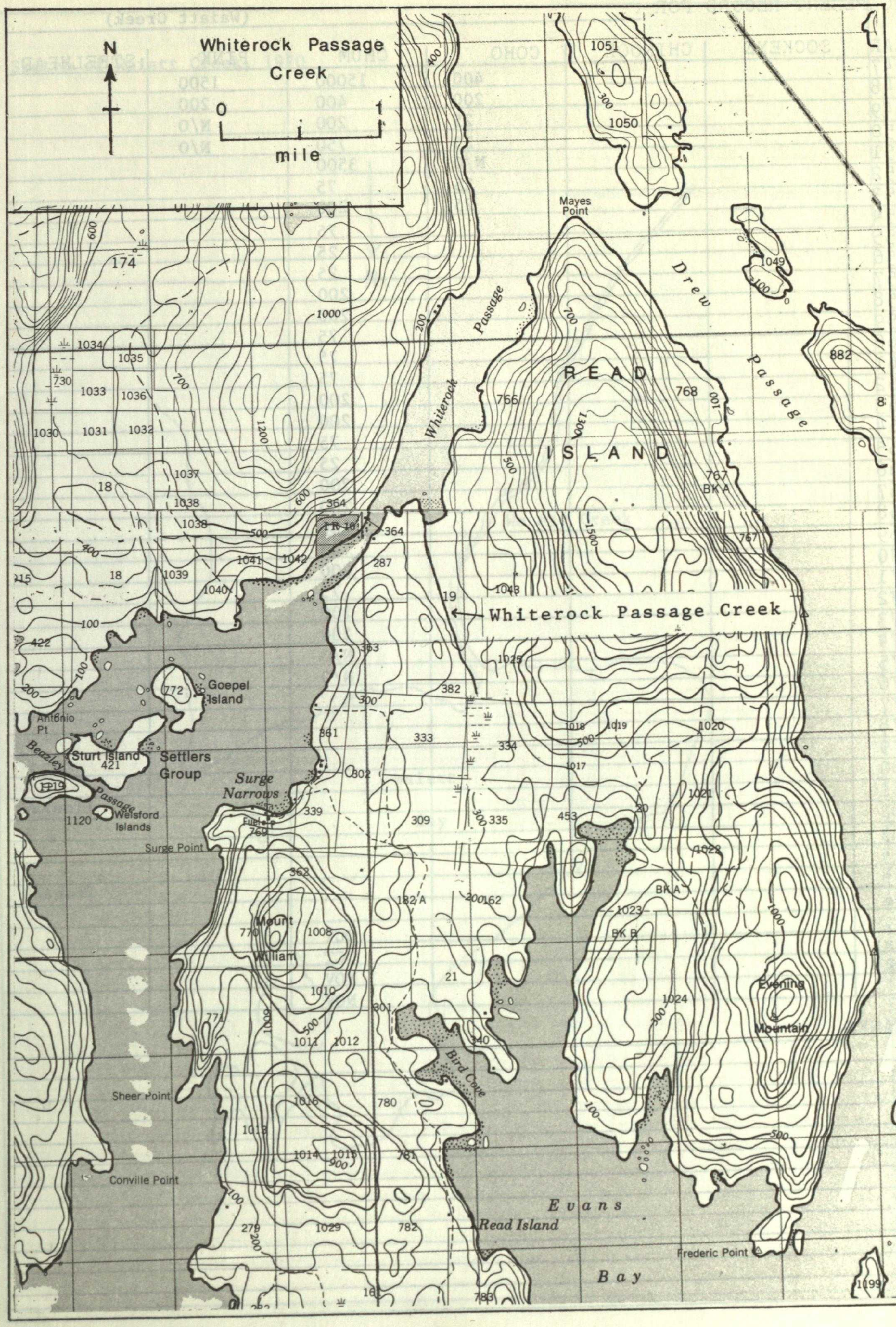
Sketch of Waiatt Creek, 1970



ESCAPEMENT RECORD FOR (Waiatt Creek)

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

REMARKS


Whiterock Passage Creek
N
0
1
mile
Whiterock Passage
Mayes Point
Drew Passage
READ ISLAND
Goepel Island
Antonio Pt
Sturt Island
Settlers Group
Beazley Passage
Welsford Islands
Surge Narrows
Surge Point
Mount William
Bird Cove
Sheer Point
Conville Point
Evening Mountain
Evans Bay
Read Island
Frederic Point

NAME OF STREAM (Not Gazetted) (Whiterock Passage Creek)

CONSERVATION DISTRICT 5 STATISTICAL AREA 13

LOCATION OF MOUTH Flows N. into Whiterock Passage, N.W. side of Read Is. - Sayward Dist. POSITION 50 125 S.E.

LENGTH 0.5 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:

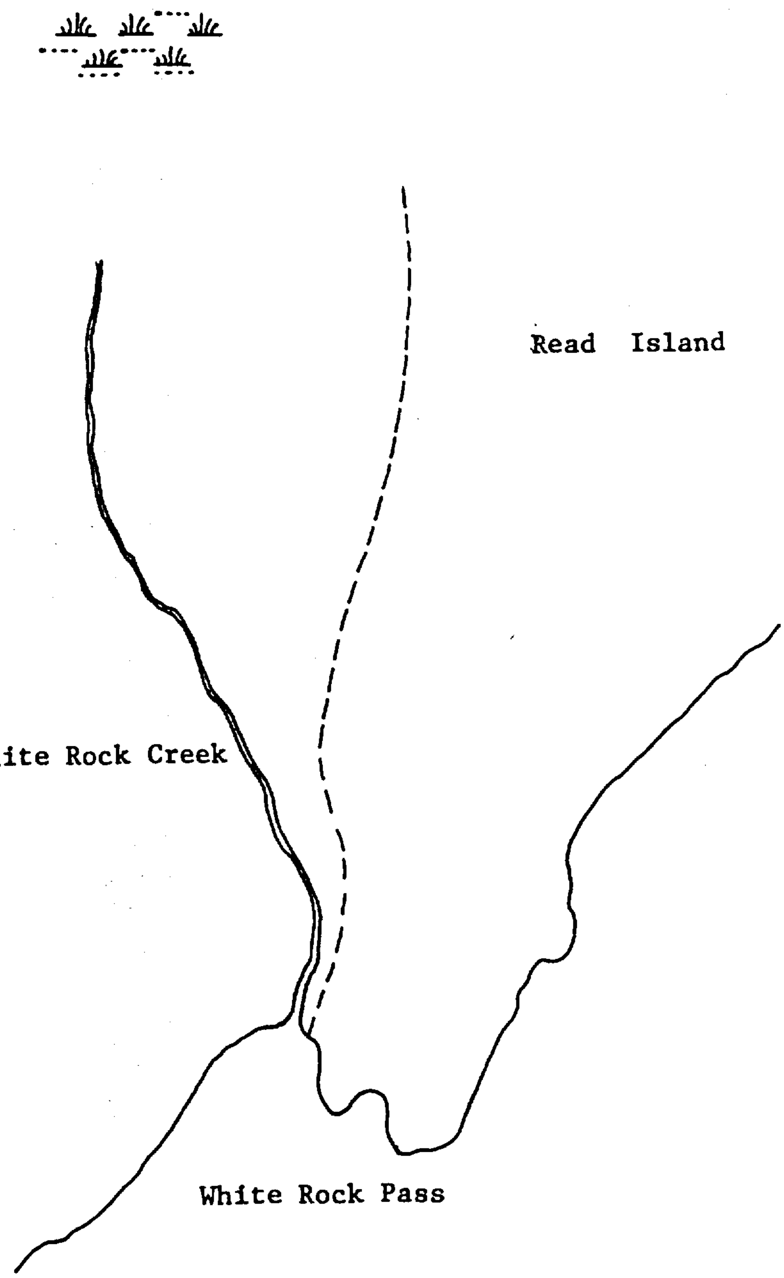
SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	lower 0.5 mi.
CHUM	lower 0.5 mi.
PINK (ODD YR)	
PINK (EVEN YR)	
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM ____

GENERAL REMARKS:

- Local natives use this stream for food fish. (1968)

Sketch of White Rock Creek, 1970



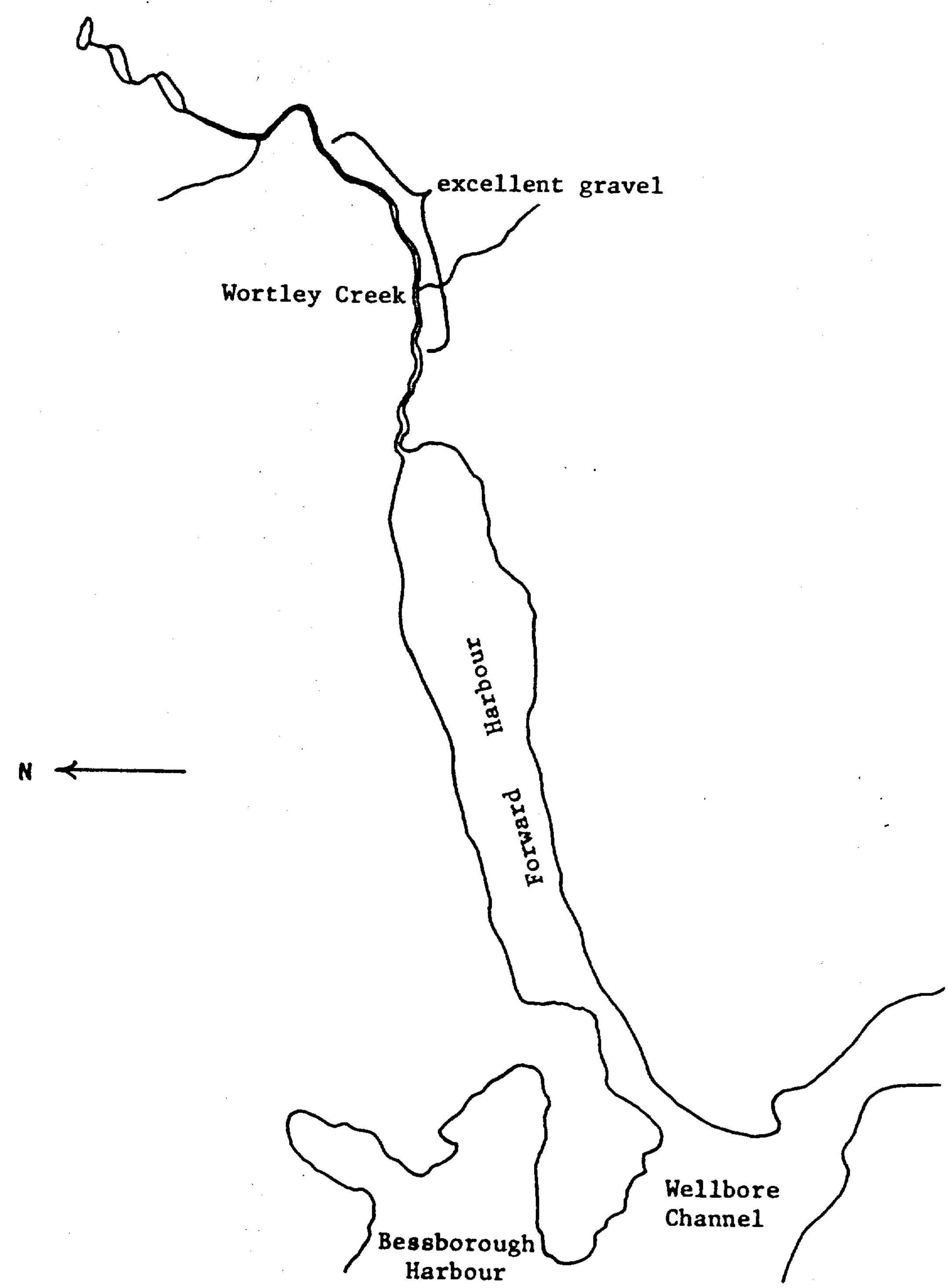
ESCAPEMENT RECORD FOR (Whiterock Passage Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947						
48						
49						
50						
51						
52			NO RECORDS	PRIOR TO 1954		
53						
54			25	200		
55			NO	RECORDS		
56			25	75		
57			75	25		
58			75	400		
59			75	200		
60			75	75		
61			75	75		
62			200	200		
63			200	200		
64			75	200		
65			400	25		
66			200	200		
67			200	200		
68			200	200		
69			25	75		
70			N/O	200		
71			N/O	200		
72			N/O	400		
73			N/O	400		
74			N/O	25		
75			N/O	75		
76						
77						
78						
79						
80						
81						
82						
83						
84						
85						
Time						
Arr.				OCT		
Start			OCT	OCT		
Peak			NOV	NOV		
End			NOV	NOV		

REMARKS

WORTLEY CREEK: For topographical map, refer to AMOR de COSMOS CREEK, page 1.

Sketch of Wortley Creek, 1970



age 1.

NAME OF STREAM WORTLEY CREEK

CONSERVATION DISTRICT 5 STATISTICAL AREA 13

LOCATION OF MOUTH Flows W. into Forward Hr., E. of Hardwicke Is., Read Is. - Coast Dist. POSITION 50 125 S.W.

LENGTH 3.0 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 ____

SPAWNING DISTRIBUTION:

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	to 3 mi.
CHUM	lower 0.5 mi.
PINK (ODD YR)	to 3 mi.
PINK (EVEN YR)	to 3 mi.
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM ____

GENERAL REMARKS:

- A logging bridge at the 2.5 mile point was removed to reduce the obstruction it created to migrating salmon during low water periods. (1970)

ESCAPEMENT RECORD FOR WORTLEY CREEK

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947						
48				3500		
49				400		
50				3500		
51				1500		
52			25	3500		
53			25	1500	3500	
54			25	200	N/O	
55			25	200	200	
56			25	75	N/O	
57			75	200	400	
58			25	75	200	
59			75	400	750	
60			75	75	N/O	
61			75	200	750	
62			200	200	N/O	
63			200	400	12500	
64			400	400	N/O	
65			400	750	17500	
66			500	N/O	N/O	
67			200	200	15000	
68			200	200	N/O	
69			400	400	75000	
70			N/O	75	N/O	
71			25	N/O	15000	
72			200	75	N/O	
73			25	75	7500	
74			25	400	N/O	
75			75	75	13000	
76			25	25	N/O	
77						
78						
79						
80						
81						
82						
83						
84						
85						
Time Arr.						
Start			OCT	OCT	SEPT	
Peak			OCT	OCT	SEPT	
End			OCT	NOV	SEPT	
			NOV	NOV	OCT	

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