



REVISED ANADROMOUS STREAM CATALOG OF

SOUTHEASTERN ALASKA

Appendix B - District 2

Volume VI

Outside Area Survey Data

By:  
Paul Novak

1975

## ADF&G TECHNICAL DATA REPORTS

This series of reports is designed to facilitate prompt reporting of data from studies conducted by the Alaska Department of Fish and Game, especially studies which may be of direct and immediate interest to scientists of other agencies.

The primary purpose of these reports is presentation of data. Description of programs and data collection methods is included only to the extent required for interpretation of the data. Analysis is generally limited to that necessary for clarification of data collection methods and interpretation of the basic data. No attempt is made in these reports to present analysis of the data relative to its ultimate or intended use.

Data presented in these reports is intended to be final, however, some revisions may occasionally be necessary. Minor revision will be made via errata sheets. Major revisions will be made in the form of revised reports.

REVISED ANADROMOUS STREAM CATALOG OF  
SOUTHEASTERN ALASKA

By

Paul Novak  
Alaska Department of Fish and Game  
Division of Commercial Fisheries  
Ketchikan, Alaska

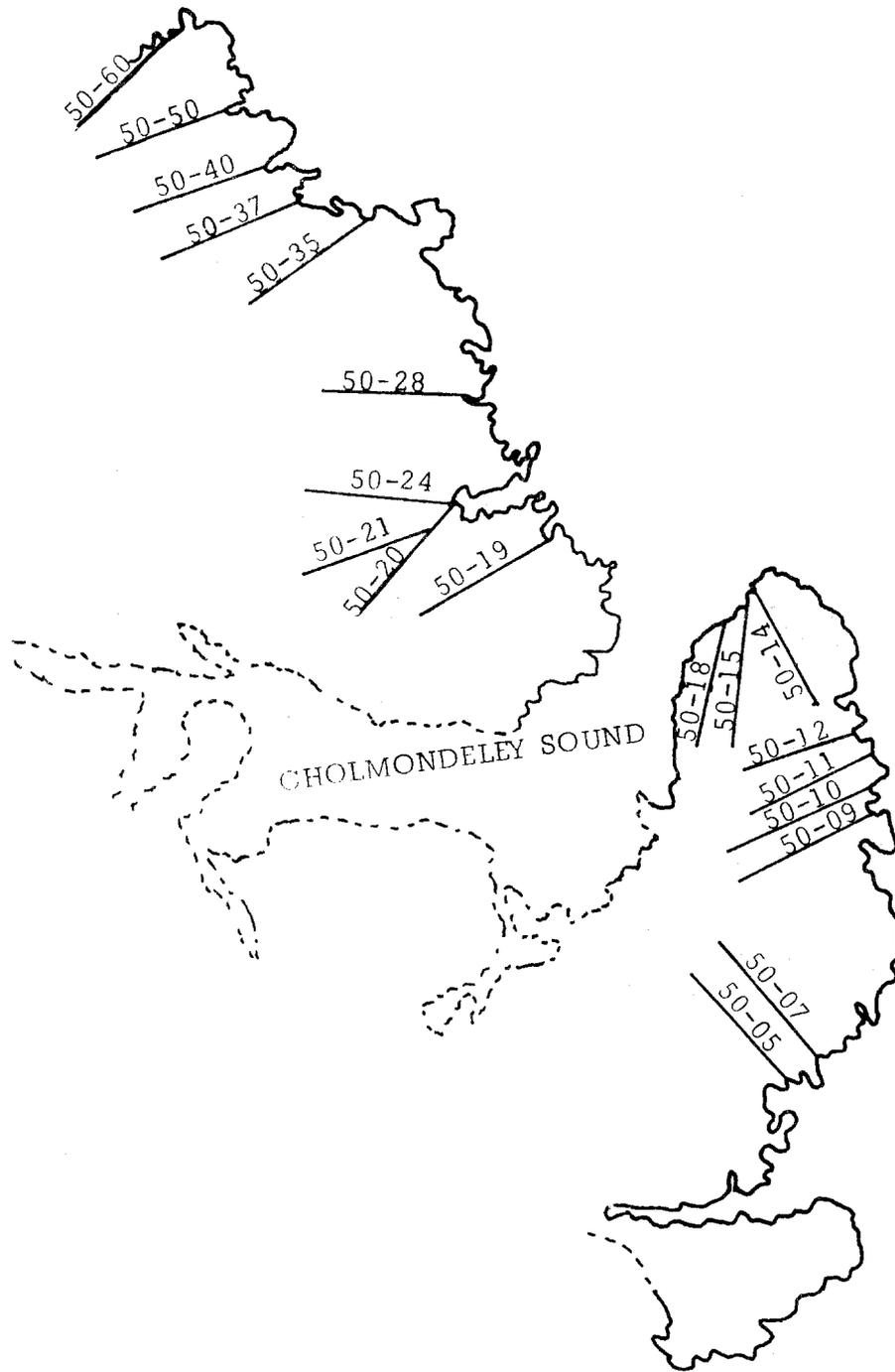
1975

Appendix B - District 2

Volume VI

Outside Area Survey Data

Statistical Area 102  
Outside Area - District 2



SUMMARY  
STREAM EVALUATIONS

District 2

Outside Area

Name & Number	Average width	Length	Area (Ft <sup>2</sup> )	M <sup>2</sup>	Spawning area (m <sup>2</sup> )	Available area (m <sup>2</sup> )
French Harbor 102-50-05	35'	985'	34,446	3,200	50%	1,600
Dutch Harbor 102-50-07	30'	4,500'	135,000	12,542	60%	7,525
102-50-09	10'	375'	3,750	348	60%	209
102-50-10	7'	450'	3,150	293	30%	88
102-50-11	26'	525'	13,650	1,268	40%	507
Halibut Creek 102-50-12	NO SPAWNING POTENTIAL					
102-50-14	3'	690'	2,070	192	20%	38
Chasina Anchorage 102-50-15	12'	1,050'	12,600	1,171	75%	878
102-50-18	NO SPAWNING POTENTIAL					
102-50-19	3'	120'	360	33	30%	10
102-50-20	2'	240'	480	45	75%	34
102-50-21	31'	6,600'	204,600	19,007	75%	14,255
Clover Creek 102-50-24	NO SPAWNING POTENTIAL					
Monie Lake 102-50-28	NO SPAWNING POTENTIAL					
Troller's Cove 102-50-35	16'	600'	9,600	892	50%	446
Spiral Cove 102-50-37	NO SPAWNING POTENTIAL					
Kluanii 102-50-40	NO SPAWNING POTENTIAL					

102-50-50 NO SPAWNING POTENTIAL

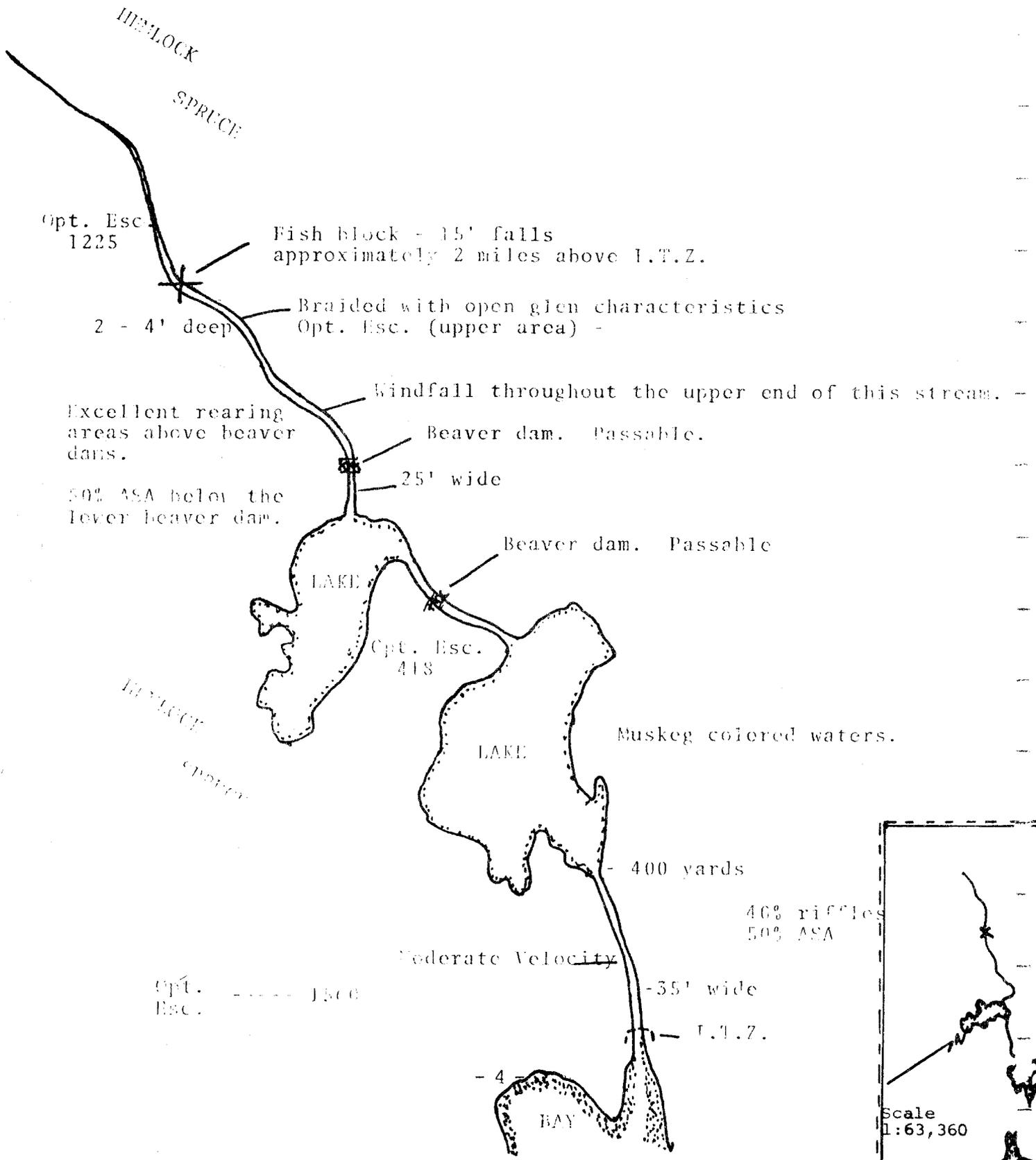
102-50-60 NO SPAWNING POTENTIAL

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OUTSIDE AREA TOTAL 25,590

DISTRICT 2 AVAILABLE SPAWNING AREA TOTAL 1,172,303

French Harbor Creek  
102 50-05  
Nevek, Larson  
September, 1974



Name French Harbor Creek Catalog No. 102-50-05  
 Latitude N 55° 09' 46" WR No. \_\_\_\_\_  
 Longitude W 132° 01' 38" K No. \_\_\_\_\_  
 Geodetic Map No. Craig A-1 Work Area Ketchikan - Port Johnson  
 Location Port Johnson Watershed Length 2.4 miles  
 Drainage Area of Watershed 3.0 square miles (polar planimeter)  
 Water Supply Type Lake system with supplemental supply from runoff.

Trails & Survey Routes Brushy streambanks but can survey by walking in the stream.

Aerial Survey Notes The lower end is impossible to survey from the air due to canopy effect and muskeg colored waters.

Anchorage Poor anchorage for small boats due to rock conditions. Dolomi Bay has restricted large vessel anchorage.

Tide Stage When Surveyed Second half of ebb.

FISHERY RESOURCES

Commercial Fisheries Unknown - Possible chum, pink, coho, and sockeye system.

Escapement Unknown

Available spawning area - 1,600 M<sup>2</sup>

Species Composition Unknown

Timing Late (based on Dolomi Creek escapements)

Schooling areas Unknown but probably school in the bay associated with the head of French Harbor.

Shellfish Potential Unknown, due to the low quality of crab and clam habitat available I would estimate the potential is low.

Sport Fisheries Dolly Varden, cutthroat and salmonids normally using this system.

Land Use at Present None at present but logging is planned on the Cholmondeley Sound side, approaching the headwaters of the creek.

History of Land Use Not known, but mining interests for gold in the area may have reached into this watershed.

Rehabilitation Potential None necessary, as the beaver dams are not barriers to fish migrations.

Soils Stable, but may be prone to high erosion if the upper lake and watershed is disturbed by land use, alluvial soils.

GAME RESOURCES

Beaver -----	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	0
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Hollards ---	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Red Eagles -	Nests seen along creek	0
	Number of nests seen and location	0
Shags -----	Number seen at mouth of stream	0
Tide Flats -	Estimate length along beach	0
	Estimate depth out from beach	0
	Red green present on what percent of flats	0

Stream #102-50-07  
Novak and Downey  
10-16-73

1/2 mile above high tide line

This fork much smaller now with 60% pool area.

50 yds. at 40% usable gravel. Good gravel but continues steeply with more logs and debris.

Beaver pond. Couple beaver dam barriers.

Beaver meadow.

200 yds. Best gravel in stream so far.

Stream open and easy walking.

The upper 1/2 of this stream had the best potential by far. Lower 1/2 contained more larger boulders, swift etc.

40% usable gravel.

Old beaver dam - no barrier.

← couple unidentified fry.

- Cascades, no barrier.

250 yards of marginal area. Larger gravel, somewhat steeper, but some good gravel yet! Some bedrock. 25% usable spawning gravel.

Water up, water dark.

70 yards of pretty good riffles - small gravel 1/2"-1-1/2".

→ 30' wide 6-8" deep

300 yards to this point from high tide line.

30% usable spawning area to here.

LOGGED

Gradient steeper with larger mossy boulders

saw 1 unidentified fish jumping. Small falls.

Some traces of bedrock throughout this area.

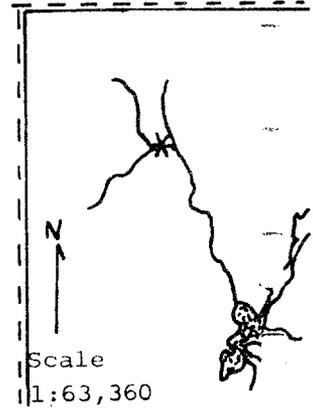
LOGGED

→ 2 old carcasses.

→ Slough and open area.

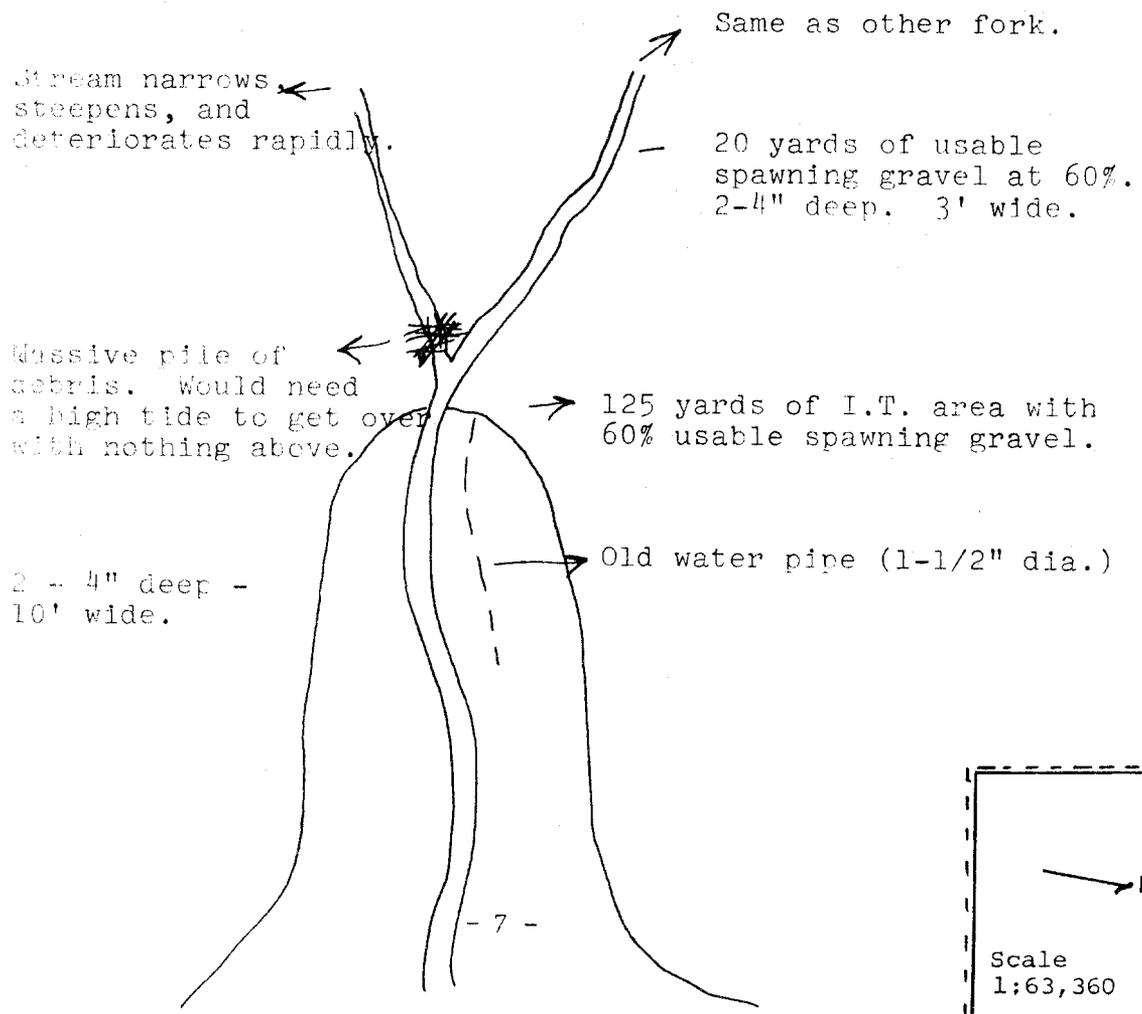
Available spawning area - 7,525 M<sup>2</sup>

- 6 -



Stream #700  
Outside - between Moira  
and Cholmondeley  
10-16-73  
102-50-09

Small stream, 10' wide at the upper I.T. line. I.T. is the best area of the stream, being of fairly good gravel (1/2" - 1-1/2"). This stream has definite I.T. potential but no evidence of any utilization at all. Appears to be about normal flow.



Name \_\_\_\_\_ Catalog No. 102-50-09  
 Latitude N 55° 13' 14" WR No. \_\_\_\_\_  
 Longitude W 131° 59' 21" E No. \_\_\_\_\_  
 Geodetic Map No. Ketchikan A-6 Work Area Ketchikan  
 Location S. of entrance to Cholmondeley Watershed Length \_\_\_\_\_  
 Drainage Area of Watershed \_\_\_\_\_  
 Water Supply Type Precipitation - runoff and probably springs.

Trails & Survey Routes No trails - walk up the stream.

Aerial Survey Notes Small stream with too much overstory for aerial surveying.

Anchorage Inside Cholmondeley Sound at Lancaster Cove or in Port Johnson.

Tide Stage When Surveyed 1/3 tide and flooding.

FISHERY RESOURCES

Commercial Fisheries Unknown

Escapement Unknown

Available spawning area - 209 M<sup>2</sup>

Species Composition Unknown

Timing Unknown

Schooling areas Would be off the mouth.

Shellfish Potential Almost zero - would be limited to clams - or a few abalone on adjacent rocks.

Sport Fisheries None

Land Use at Present None

History of Land Use None

Rehabilitation Potential None - too small

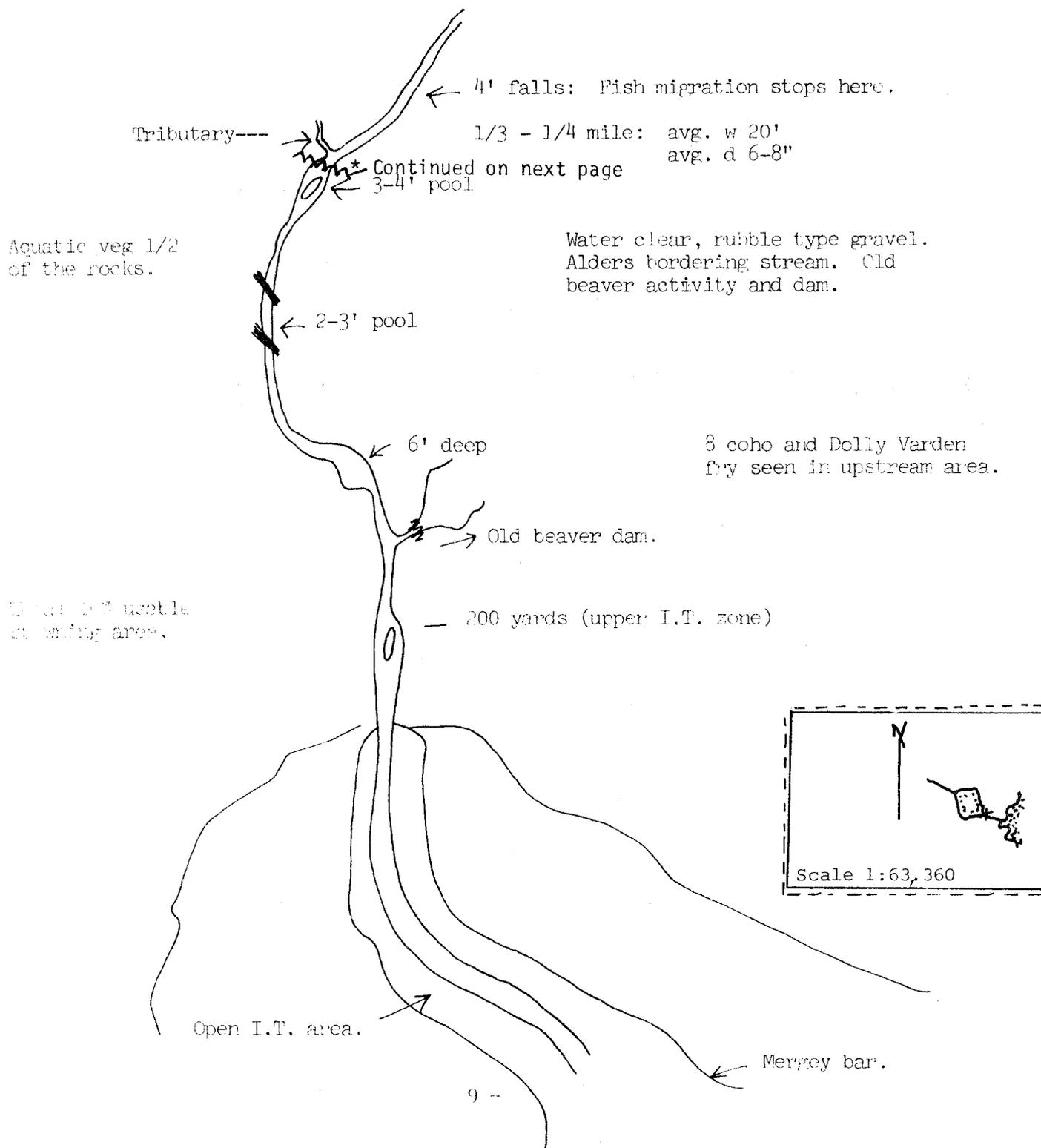
Soils Stable to the furthest point walked.

GAME RESOURCES

Bear -----	Rich carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	0
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ---	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Bald Eagles-	Number seen along creek	0
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	0
Tide flats -	Estimate length along beach	small flats
	Estimate depth out from beach	0
	Red grass present on what percent of flats	0

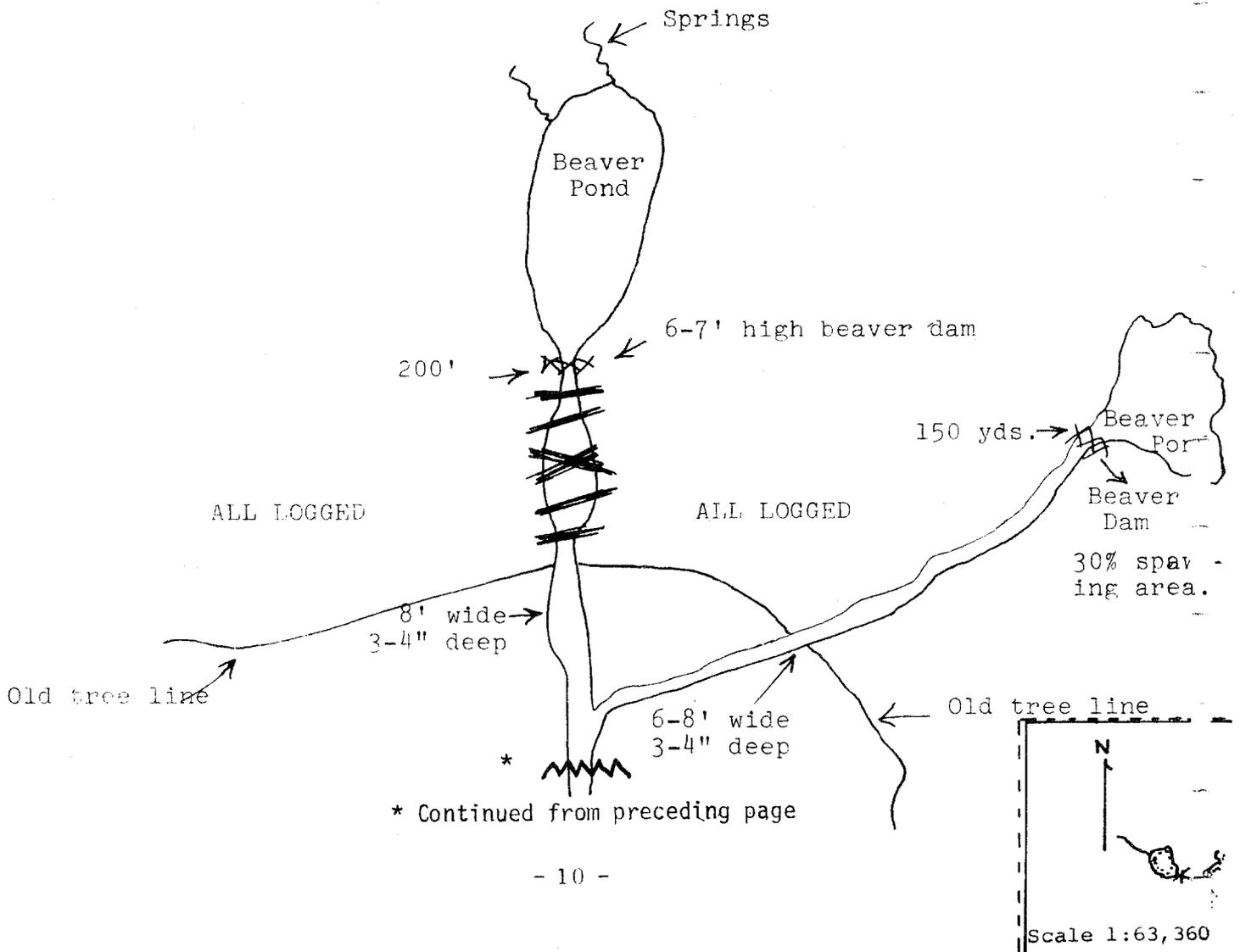
Stream # 102-50-10  
 Outside - between Moira  
 and Fholmordeley  
 Novak and Downey  
 10-16-73

200 yards of I.T. area with good spawning gravel. Found 1 coho  
 opercle just above I.T. and saw several old redds in the upper  
 I.T. zone.



102-50-10  
Stream #701  
Outside - between Moira  
and Cholmondeley  
Downey and Novak  
10-16-73

Very small stream. This watershed logged.



Name \_\_\_\_\_ Catalog No. 102-50-10  
 Latitude N 55° 13' 33" WR No. \_\_\_\_\_  
 Longitude W 131° 59' 09" K No. \_\_\_\_\_  
 Geodetic Map No. Ketchikan A-6 Work Area Ketchikan  
 Location S. of entrance to Cholmondeley Watershed Length \_\_\_\_\_  
 Drainage Area of Watershed \_\_\_\_\_  
 Water Supply Type Lake

Trails & Survey Routes No trails - walk up the stream.

Aerial Survey Notes Logged and all open so could be surveyed from the air.

Anchorage Inside Cholmondeley Sound at Lancaster Cove, or in Port Johnson.

Tide Stage When Surveyed 1/4 tide and flooding.

FISHERY RESOURCES

Commercial Fisheries Unknown

Escapement Unknown

Available spawning area - 88 M<sup>2</sup>

Species Composition Unknown

Timing Unknown

Schooling areas Would be off the mouth

Shellfish Potential Almost zero - Intertidal is rocky.

Sport Fisheries Unknown - probably none

Land Use at Present None

History of Land Use Logged

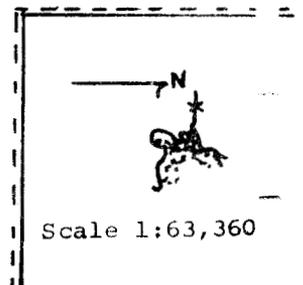
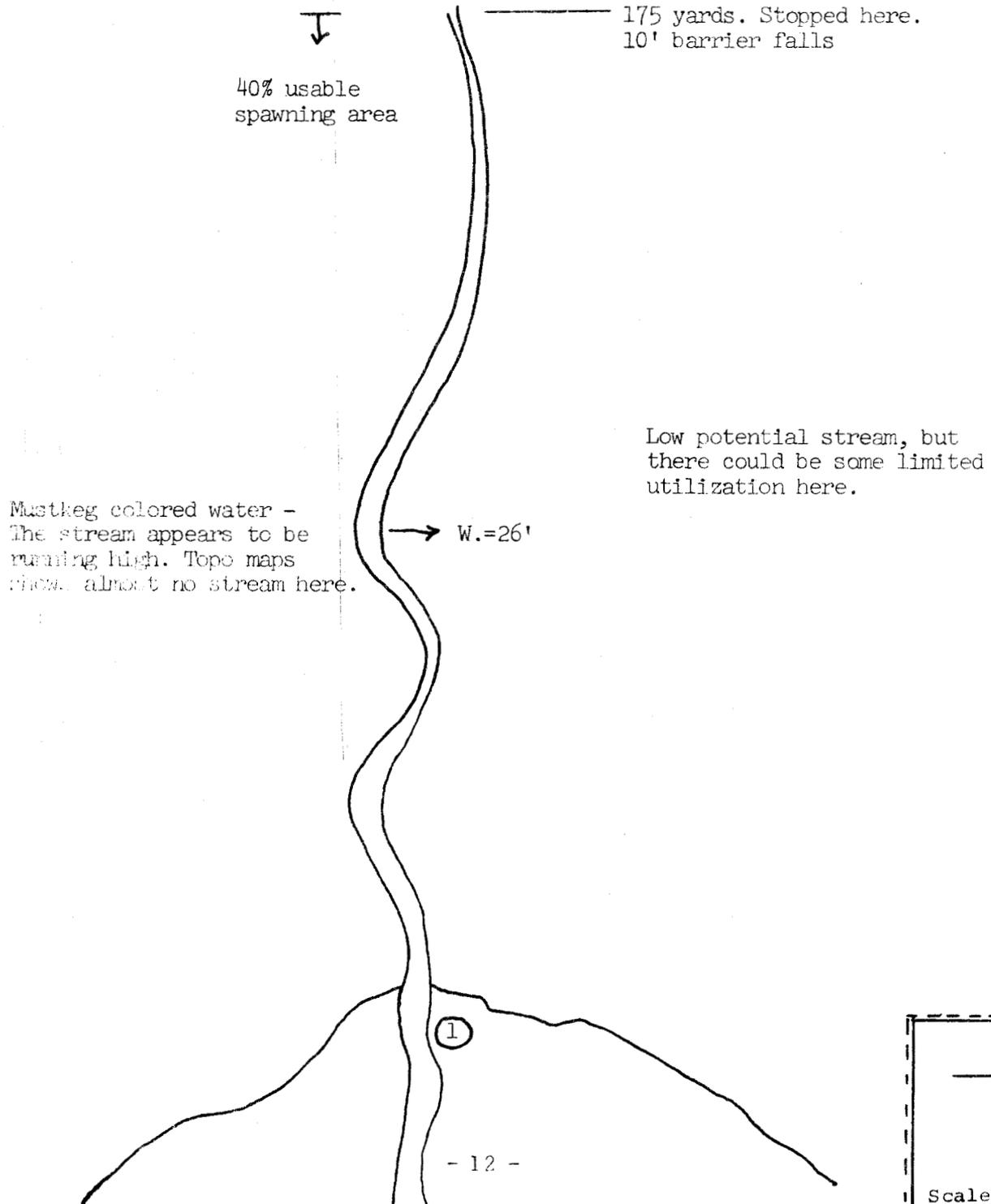
Rehabilitation Potential None - the portions of the stream available to suitable spawning are still available - small stream with limited potential anyway.

ESUs Flat gradient and the stream banks seemed to be stable on the area surveyed.

WILDLIFE RESOURCES

_____	Fish carcasses or bones (old or fresh) on banks, estimate	0
_____	Number of droppings	0
_____	Number seen on tide flats	0
_____	Number seen up creek	0
_____	Number of broods seen	0
_____	Number seen on tide flats	0
_____	Number seen up creek	0
_____	Number of broods seen	0
_____	Number of broods seen	0
_____	Number seen along creek	0
_____	Number of nests seen and location	0
_____	Number seen at mouth of stream	3
_____	Estimate length along beach	small flats
_____	Estimate depth out from beach	-
_____	Wal grass present on what percent of flats	-

102-50-11  
Stream #702  
Outside - between Moira  
and Cholmondeley  
Novak and Downey  
10-16-73



Name \_\_\_\_\_ Catalog No. 102-50-11  
 Latitude N 55° 14' 19" WR No. \_\_\_\_\_  
 Longitude W 131° 59' 42" K No. \_\_\_\_\_  
 Geodetic Map No. \_\_\_\_\_ Work Area Ketchikan  
 Location S. of entrance to Cholmondeley Watershed Length \_\_\_\_\_  
 Drainage Area of Watershed \_\_\_\_\_  
 Water Supply Type Precipitation - runoff and probably springs.

Trails & Survey Routes No trails - walk up the stream.

Aerial Survey Notes Discolored water and dense overstory would make aerial surveys impracticable-also small stream.

Anchorage Inside Cholmondeley Sound at Lancaster Cove or in Port Johnson.

Tide Stage When Surveyed 1/2 tide and flooding.

FISHERY RESOURCES

Commercial Fisheries Unknown

Escapement Unknown

Available spawning area - 507 M<sup>2</sup>

Species Composition Unknown

Timing Unknown

Spawning areas Would be off the mouth

Shellfish Potential Almost zero - would be limited to clams - or a few abalone on adjacent rocks.

Sport Fisheries None

Land Use at Present none

History of Land Use None

Rehabilitation Potential None - small stream.

Setback Stable to the furthest point walked (10' barrier falls)

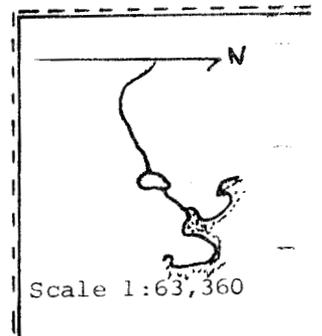
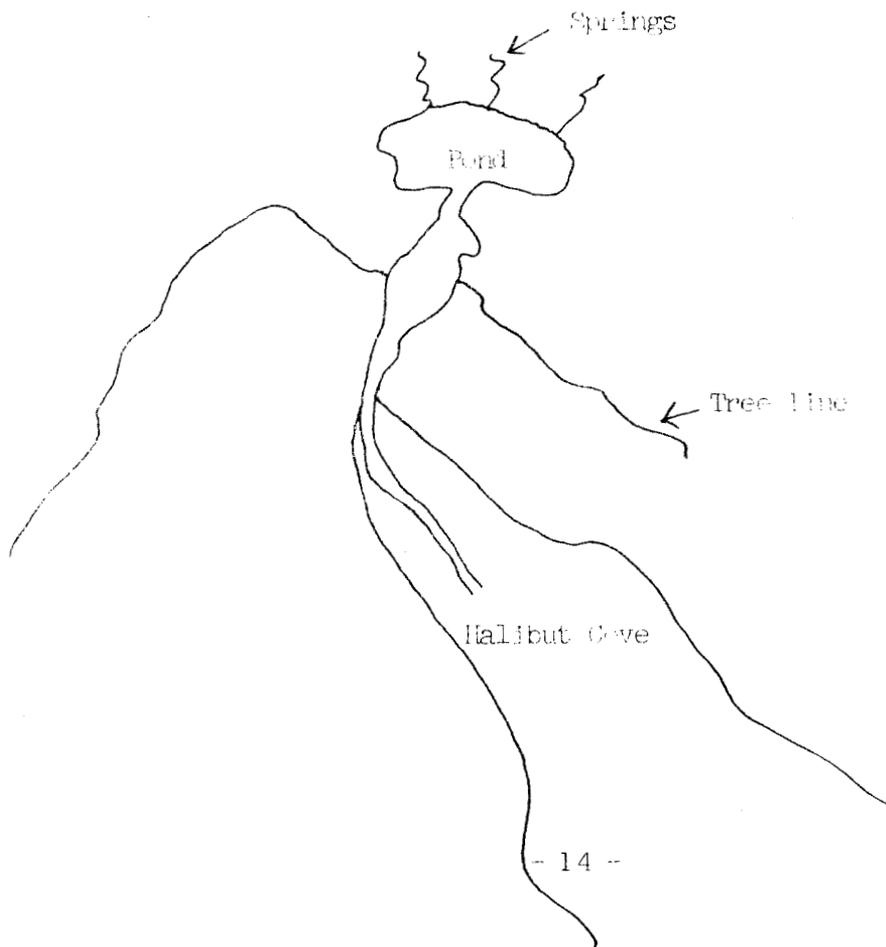
DATA RECORDED

Bank	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	0
up stream	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
at mouth	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
up stream	Number of broods seen	0
field of view	Number seen along creek	0
	Number of nests seen and location	0
bank	Number seen at mouth of stream	0
Tide flats	Estimate length along beach	small flats
	Estimate depth out from beach	-
	Est. grass present on what percent of flats	-

102-50-12  
Halibut Creek  
Between Moira  
Nevak and Lowney  
10-16-73

N 55° 14' 36"  
W 131° 59' 57"

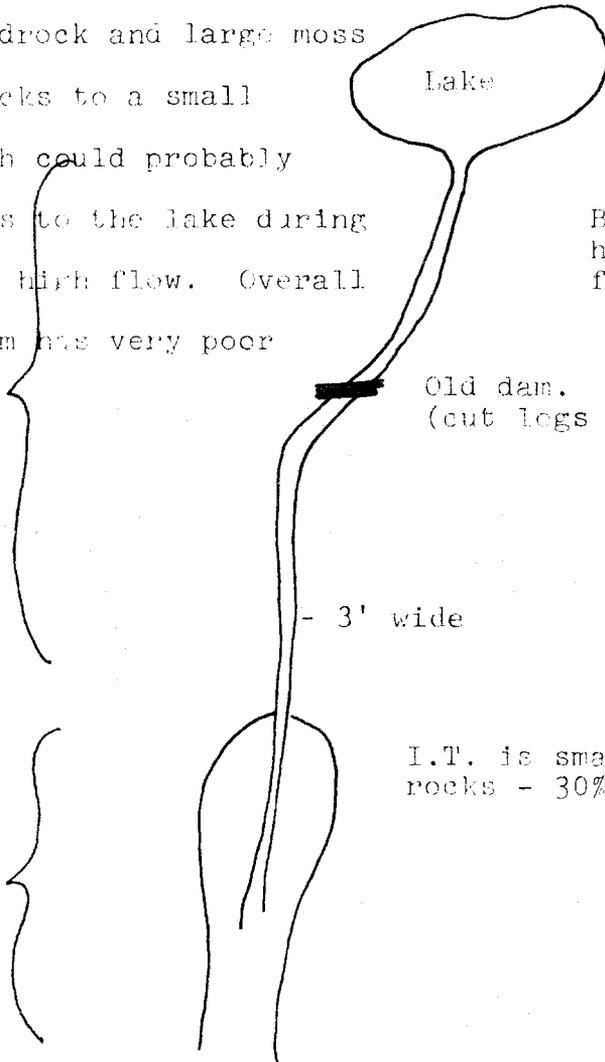
A very small stream at the high I.T. area. This stream originates as springs from side hills surrounding the upper I.T. pond. Intergravel drainage at low tide to salt water.



Very small stream with about 30 yards of I.T. which consists of small gravel and large rocks. 30% usable for spawning. Above I.T. stream runs for 200 yards through bedrock and large moss covered rocks to a small lake. Fish could probably have access to the lake during periods of high flow. Overall this stream has very poor potential.

200 yards

30 yds. I.T.

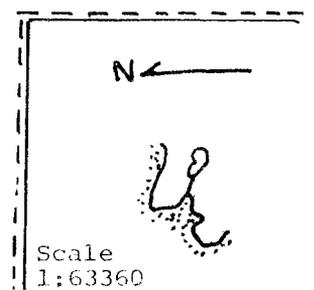


Bedrock and large rocks heavy moss. 5% usable for spawning

Old dam. Looks to be man-made. (cut logs & lumber)

- 3' wide

I.T. is small gravel and large rocks - 30% usable for spawning.



Name None Catalog No. 102-50-14  
 Latitude N 55° 16' 30" WP No. \_\_\_\_\_  
 Longitude W 132° 01' 53" K No. \_\_\_\_\_  
 Geodetic Map No. Craig B-1 Work Area Ketchikan  
 Location Cholmondeley - near So. Entrance Watershed Length \_\_\_\_\_  
 Drainage Area of Watershed \_\_\_\_\_  
 Water Supply Type LAKE

Trails & Survey Routes No trails - walk up the stream.

Aerial Survey Notes Stream too small with too much overstory for aerial surveying.

Anchorage Lancaster Cove.

Tide Stage When Surveyed Just starting to flood.

FISHERY RESOURCES

Commercial Fisheries Unknown

Escapement Unknown

Available spawning area - 38 M<sup>2</sup>

Species Composition Unknown

Tiring Unknown

Schooling areas Would be off the mouth.

Shellfish Potential Almost zero - very rocky intertidal area.

Spout Fisheries Unknown - could be fish in the lake.

DDM at Present None

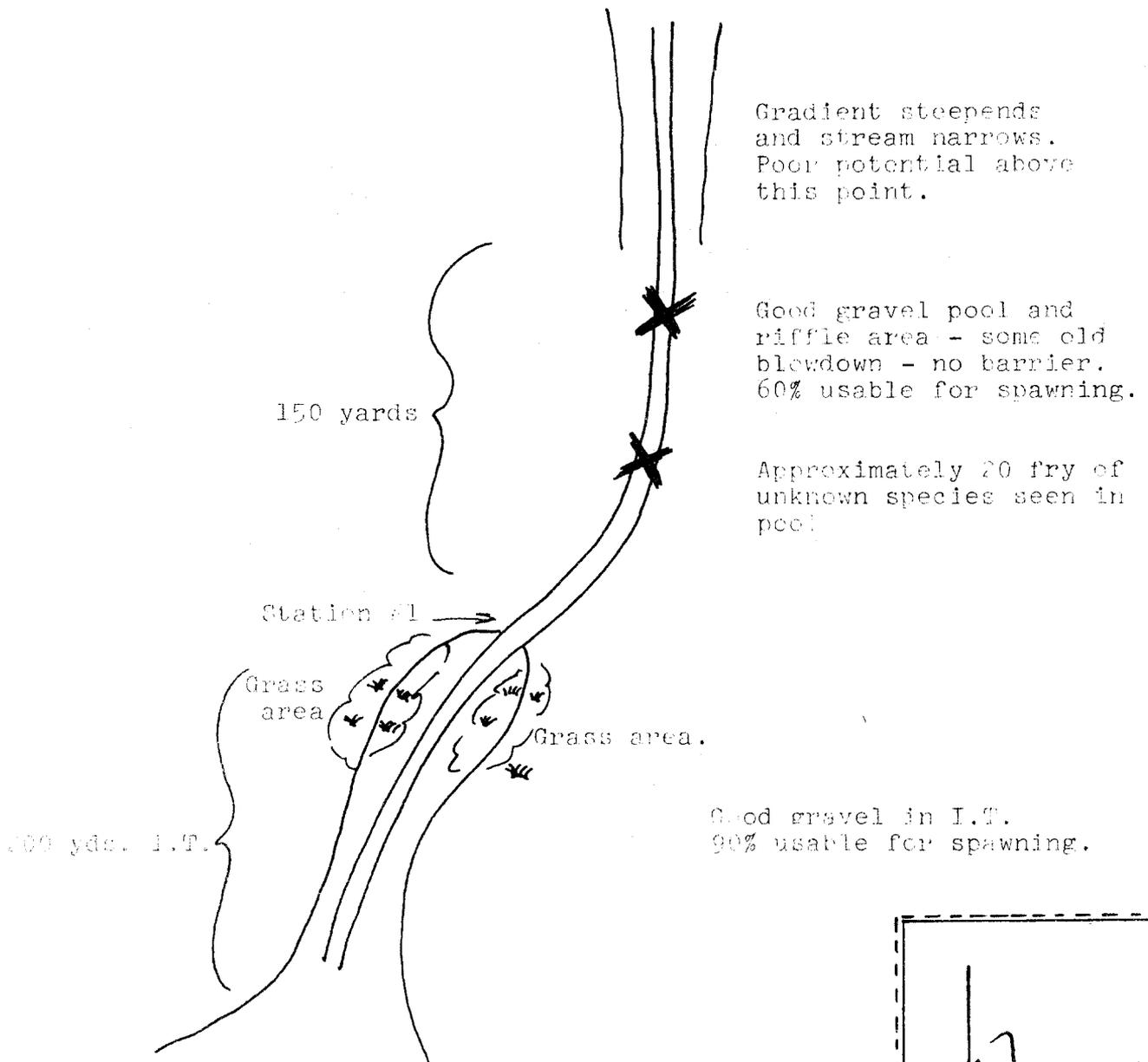
History of Land Use None

DDM Pollution Potential None = too small and fish do have access to the entire stream and lake.

DDM Stable banks and soils to the lake - flat gradient.

DDM	Number of fish carcasses or bones (old or fresh) on banks, estimate	0
DDM	Number of droppings	0
DDM	Number seen on tide flats	0
DDM	Number seen up creek	0
DDM	Number of broods seen	0
DDM	Number seen on tide flats	0
DDM	Number seen up creek	0
DDM	Number of broods seen	0
DDM	Number of broods seen	0
DDM	Number seen along creek	0
DDM	Number of nests seen and location	0
DDM	Number seen at mouth of stream	0
DDM	Estimate length along beach	almost zero
DDM	Estimate width out from beach	-
DDM	Red grass present on first percent of flats	-

Small stream with 200 yards of good gravel  
I.T. area. Above I.T. 150 yards of good  
area in which 20 fry were observed.

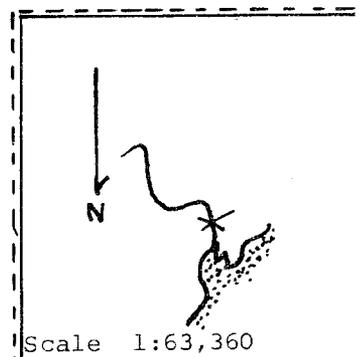


Gradient steepens  
and stream narrows.  
Poor potential above  
this point.

Good gravel pool and  
riffle area - some old  
blowdown - no barrier.  
60% usable for spawning.

Approximately 20 fry of  
unknown species seen in  
pool.

Good gravel in I.T.  
90% usable for spawning.



Name Chasine Anchorage Catalog No. 102-50-15  
 Latitude N 55° 16' 02" WR No. \_\_\_\_\_  
 Longitude W 132° 02' 21" K No. \_\_\_\_\_  
 Geodetic Map No. Craig B-1 Work Area Ketchikan  
 Location Southern Chalmersley Entrance Watershed Length \_\_\_\_\_  
 Drainage Area of Watershed \_\_\_\_\_  
 Water Supply Type Precipitation - runoff and probably springs.

Trails & Survey Routes No trails - walk up the stream.

Aerial Survey Notes Above intertidal stream is too small with too much overstory for surveying.

Anchorage Lancaster Cove.

Tide Stage When Surveyed Tide 4/5 out and ebbing.

FISHERY RESOURCES

Commercial Fisheries Unknown

Escapement Unknown - none observed on 10-6-73  
Available spawning area - 878 M<sup>2</sup>

Species Composition Unknown

Timing Late

Schooling areas Off the mouth

Shellfish Potential Limited to clams or a few dungeness crabs.

Sport Fisheries None

Land Use at Present None

History of Land Use None

Rehabilitation Potential None - stream is clear of windfalls or barrier for as far as fish would spawn.

SPINS Stable with a relatively flat gradient.

WILDLIFE RESOURCES

Fish	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	0
Osprey	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Herring	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mermaids	Number of broods seen	0
Bald Eagles	Number seen along creek	0
	Number of nests seen and location	0
Loons	Number seen at mouth of stream	0
Tide flats	Estimate length along beach	200 yards
	Estimate depth out from beach	10 yards
	Ball game present on what percent of flats	-

STREAM INVENTORY FORM

Observers: Downey, Smith  
 Date: 10-6-73  
 Temperature: \_\_\_\_\_  
 Weather: Overcast - showers

Name: Chasina Anchorage  
 Number: 102-50-15

Station No.	1																		
Pool Size/Type	1/2																		
Riffle Type	W																		
Width - Depth	12'																		
Pool Riffle Frequency	3																		
Bottom Type (Riffle)	4																		
Color/Turbidity	1																		
Velocity	2																		
Flow (C.F.S.)	.80																		
Temp. <sup>6'</sup> (°F.)	45°																		
pH	6.0																		
Fry Abundance	20-8																		
Benthos Sample No.	-																		
Higher Plant Class	2																		
Aquatic Veg. Density	1																		
Ident.	/																		
(1) Mosses	2																		
(2) Algae																			

General Remarks (rehab., land use, barriers, log jams, etc.):

102-50-18

Cholmondeley Sound

10-6-73

Smith, Downey

This very small stream appears to be only runoff after  
hard rain with very little potential, if any.

102-50-19  
Cholmondeley Sound  
10-6-73  
Downey, Smith

N 55° 15' 27"  
W 132° 03' 39"

This is a small stream 2-3' wide with 30 yards of fair I.T. area which could support a few spawners, about 10 yards of gravel about I.T. could also support a few spawners. Overall very poor potential - 30% usable spawning area.

Available spawning area - 10 M<sup>2</sup>

102-50-20  
Cholmondeley Sound  
10-6-73  
Downey - Smith

N 55° 15' 07"  
W 132° 04' 07"

This is a very small stream about 2' wide, with 40 yards of fair intertidal gravel area. Very little, if any, spawning potential

Available spawning area - 34 M<sup>2</sup>

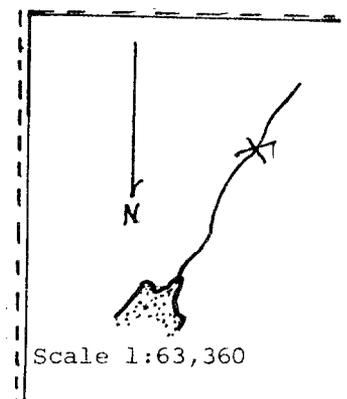
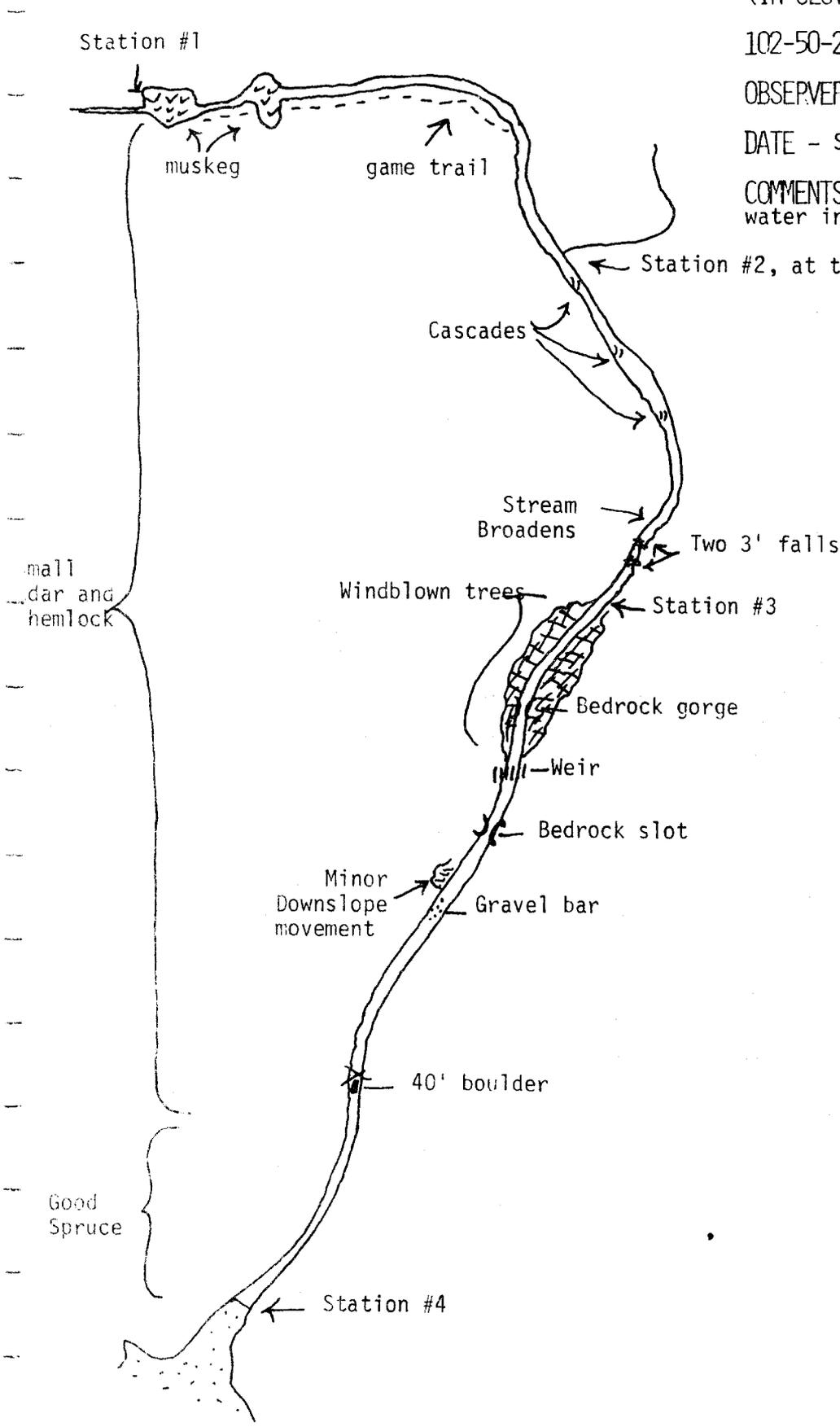
(IN CLOVER BAY)

102-50-21

OBSERVER - Dinneford

DATE - September 21, 1973

COMMENTS - Vis. excellent, some dark water in lower pools. Water level low.



Scale 1:63,360

Name Clover Creek S.W. Catalog No. 102-50-21  
 Latitude N 55° 17' 24" WR No. 137B  
 Longitude W132° 10' 25" K No. 157  
 Geodetic Map No. Craig B-1 Work Area Ketchikan  
 Location S.W. Head of Clover Bay Watershed Length 6 miles  
 Drainage Area of Watershed 8.27 sq. miles  
 Water Supply Type Muskeg, Lake

Trails & Survey Routes Game trail upstream, fair walking along stream in lower portion.

Aerial Survey Notes Good for most of surveyed length, Poorest above Station #3.

Anchorage Just inside bay for larger vessels, okay for skiff off mouth.

Tide Stage When Surveyed Flood.

FISHERY RESOURCES

Commercial Fisheries Pink, chum.

Escapement 1973, 15,425

Available spawning area - 14,255 M<sup>2</sup>

Species Composition 85% pink, 15% chum

Timing Late

Schooling areas Off creek mouth in Clover Bay and in scattered pools upstream.

Shellfish Potential None, I.T. composed of course boulders.

Sport Fisheries Dolly Varden.

Land Use at Present ADF&G recipient stream.

History of Land Use None known.

Rehabilitation Potential Load above station #3 too course to afford much area for spawning.

Soils Mostly stable and level. 1/4 mile distance of windblown trees and minor downslope movement upstream.

CAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	150
	Number of droppings	0
Grass -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
W. Herds ----	Number seen on tide flats	4
	Number seen up creek	0
	Number of broods seen	0
M. Herdsers -	Number of broods seen	1 mature upstream
Bald Eagles-	Number seen along creek	3
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	0
Tide flats -	Estimate length along beach	1/4 mi.
	Estimate depth out from beach	30
	Eel grass present on what percent of flats	0

STREAM INVENTORY FORM

Observers: Dinneford

(Top of (At  
5 acre Trib-  
muskeg) utary(falls)(H.T.)

Name: (Clover Bay)

Date: 9-21-73

Temperature: 56°, 7:30 am

Number: 102-50-21

Weather: Lt. rain

Station No.	1	2	3	4															
Pool Size/Type	1/2	3/2	3/2	-															
Riffle Type Width-Depth	10'W 7"D	25'W 12"D	27'W 12"D	35'W 8"D															
Pool Riffle Frequency	2	3	3	2.5															
Bottom Type (Riffle)	1/4	5	5	<sup>4</sup> /5/ 6															
Color/Turbidity	2/1	2/1	2/1	2-3/1															
Velocity	2	2	2	2															
Flow (C.F.S.)																			
Temp. (°F.)	54°	54°	52°	51°															
pH	5	5	5	5															
Fry Abundance			8-1																
Benthos Sample No.																			
Higher Plant Class	3	2/3	2/3	2															
Aquatic Veg. Density	3	1	2	2															
Ident. (1) Mosses (2) Algae	1	2	2/1	2															

- 25 -

General Remarks (rehab., land use, barriers, log jams, etc.):  
 Nothing super above b. falls appr. 2 mi. up in the way of gravel, opt. esc., area, etc.  
 No flow measurements taken.

PEAK ESCAPEMENT RECORD

NAME: Cloyer Creek

STREAM CATALOG NUMBER: 102-50-21

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Oct. 7, 1930				Well seeded. Pink spent. 15,000 fish off mouth
Oct. 7, 1937				Good pink escapement. Bright chum. Many dead, mostly chum
Oct. 6, 1947				Good showing. Good early run of pink
Sept. 28, 1948	2,350	14,000		Good (G)
Sept. 18, 1952	300	800		250 chum, pink at mouth(G)
Sept. 20, 1953	2,000	1,500		75% fresh. 300-400 off mouth(G)
Season, 1955	5,000	100		Estimate
Sept. 2, 1956				4,000 estimated
Aug. 27, 1957	2,700			
Sept. 14, 1957		250		Few jumps in bay (G)
Sept. 6, 1962				No sign of fish in the bay, (A)
Aug. 15, 1963				300 fish at mouth. Stream very low poor for aerial survey. Nothing intertidally. (A)
Sept. 9, 1964				Vis. Excellent. 2 fish were seen at the mouth (A)
Aug. 25, 1968				750 pink at mouth (A)
Aug. 23, 1966	N.O.			Excellent vis. (A)
Aug. 13, 1967	N.O.			No showing in bay. (F)
Aug. 26, 1968	N.O.			(A)
Sept. 12, 1970	400			(F)
Aug. 26, 1971				50 in intertidal area. Vis. poor(A)
Aug. 21, 1972	N.O.			Vis. very good
Sept. 21, 1973	----14,425----			15% chum, 20% dead (F)
Sept. 5, 1974		50		Vis. Fair (A)

Clover Creek  
#120  
102-50-24  
10-12-73  
Westlund

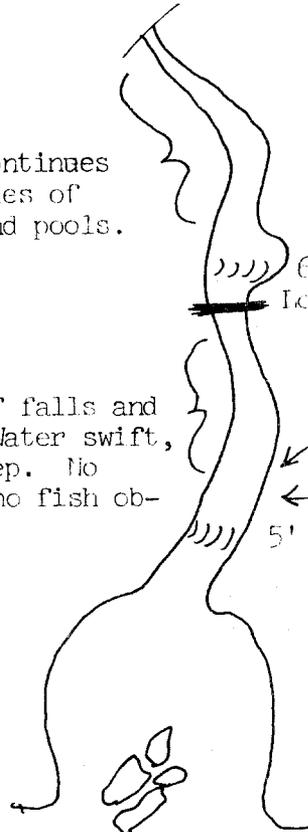
Stream continues  
as a series of  
rapids and pools.

6' falls  
Log

Series of falls and  
pools. Water swift,  
pools deep. No  
gravel, no fish ob-  
served.

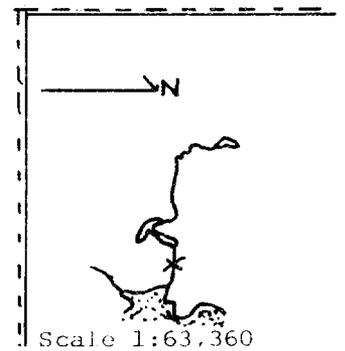
1 female chin carcass.  
Station #1

5' falls, possible barrier.



ROCKS

This area deep with no flat. No fish or carcasses. Banks moderately steep, brush is thick. First 150 yards of stream is a series of small falls with fast pools. Bottom is large rocks, very slippery. Bear trail on right of stream.



Name Clover Creek Catalog No. 102-50-24  
 Latitude 55° 17' 35" WR No. 137 C  
 Longitude 132° 10' 27" K No. K158  
 Geodetic Map No. Craig - E-1 Work Area \_\_\_\_\_  
 Location Clover Bay - Rt. Head Watershed Length 5.5 miles  
 Drainage Area of Watershed 11.26 sq. miles  
 Water Supply Type Lake

Trails & Survey Routes None - hard walking in stream.

Aerial Survey Notes Dark water - barrier falls 250 yds upstream.

Anchorage Good anchorage in bay behind islands.

Tide Stage When Surveyed low - flooding.

FISHERY RESOURCES

Commercial Fisheries Chum

Escapement Not known - probably very small  
10-12-73 = 1 chum

Species Composition Not known

Timing Late

Schooling areas In bay off mouth.

Shellfish Potential None - no tidal flats

Sport Fisheries None

Land Use at Present None

History of Land Use None

Rehabilitation Potential Large system, however, upper falls block any salmon runs.

Soils Large areas of bedrock present in lower stream.

G-HE RESOURCES

Beaver -----	Fish carcasses or bones (old or fresh) on banks, estimate	<u>1</u>
	Number of droppings	<u>0</u>
Goats -----	Number seen on tide flats	<u>0</u>
	Number seen up creek	<u>0</u>
	Number of broods seen	<u>0</u>
Hillards ---	Number seen on tide flats	<u>0</u>
	Number seen up creek	<u>0</u>
	Number of broods seen	<u>0</u>
Reduncers -	Number of broods seen	<u>0</u>
Wild Eagles--	Number seen along creek	<u>0</u>
	Number of nests seen and location	<u>0</u>
Wrens -----	Number seen at mouth of stream	<u>0</u>
Tide Flats -	Estimate length along beach	<u>0</u>
	Estimate depth out from beach	<u>0</u>
	Red grass present on what percent of flats	<u>0</u>
		<u>0</u>



#121

Monie Lake

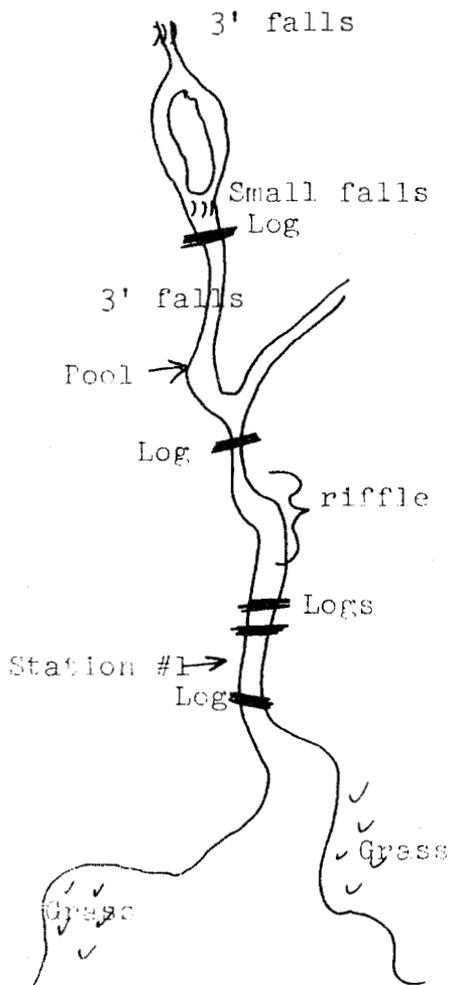
102-50-28

10-12-73

Stream 8' wide - approximately 6" deep - brownish. L.T.  
area small with no spawning area. Stream falls steeply  
with rocks and rapids through a moderately sloped ravine.  
No fish - no carcasses. Barrier approximately 30 yards  
above high tide.

#122  
Trollers Cove  
102-50-35

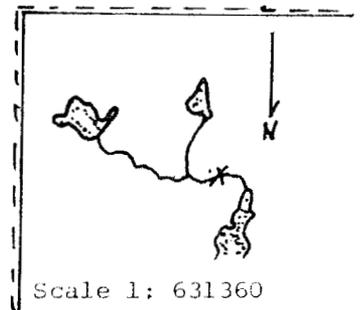
Medium sized tide flat - clam shells seen on outer edge. Stream flows through flat area from lake. No fish seen, no carcasses. Timber looks good - brush thick along sides.



Fish can probably not make it past last falls.

Stream narrows more and divides into channels.

Stream narrows and starts rising. Small series of falls and pools.



Name Trollers Cove Catalog No. 102-50-35  
 Latitude 55° 21' 28" WR No. none  
 Longitude 132° 12' 26" K No. none  
 Geodetic Map No. Craig - B-1 Work Area \_\_\_\_\_  
 Location Clarence Sts. - S. Skowl Arm Watershed Length 1.25 miles  
 Drainage Area of Watershed 1.65 sq. miles  
 Water Supply Type Lake

Trails & Survey Routes none

Aerial Survey Notes Small falls 200 yards above H.T. Possible barrier to salmon.

Anchorage Excellent anchorage in main part of cove.

Tide Stage When Surveyed Low - flooding

FISHERY RESOURCES

Commercial Fisheries Pink and chum

Escapement Not known - no fish observed 10-12-73  
 Available spawning area - 446 M<sup>2</sup>

Species Composition Not known

Timing Middle - est.

Schooling areas in cove off stream mouth

Shellfish Potential good - clams present insome numbers at deep edge of flat.

Sport Fisheries none

Land Use at Present none

History of Land Use none

Rehabilitation Potential small stream - not very important.

Soils Probably stable. Banks not high or steep.

WAVE RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	0
Goose -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Waldards ---	Number seen on tide flats	4
	Number seen up creek	0
	Number of broods seen	0
Marincars -	Number of broods seen	4 indiv.
Red Eagles-	Number seen along creek	1
	Number of nests seen and location	0
Lois -----	Number seen at mouth of stream	1
Tide Flats -	Estimate length along beach	1/8 mi.
	Estimate width out from beach	20 ft.
	Red grass present on what percent of flats	10%

STREAM INVENTORY FORM

Observers: Westlur - Joyner

Date: 1-6-73

Name: \_\_\_\_\_

Temperature: 44°

Number: 102-50-35

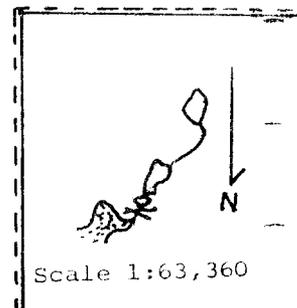
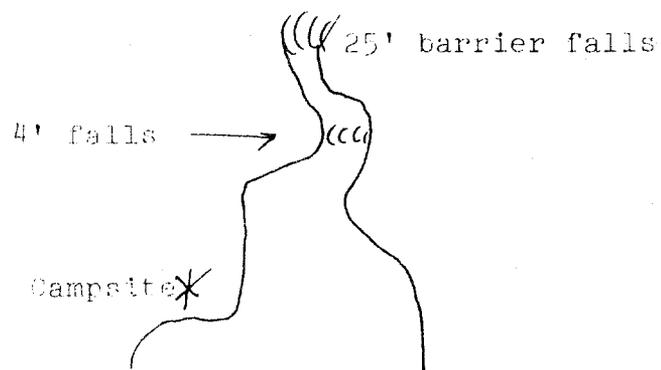
Weather: Partly cloudy

Station No.	1																		
Pool Size/Type	2/2																		
Riffle Type	16'																		
Width - Depth	4"																		
Pool Riffle Frequency	2																		
Bottom Type (Riffle)	4																		
Color/Turbidity	2/1																		
Velocity	2																		
Flow (C.F.S.)	1.93																		
Temp. (°F.)	45°																		
pH	5																		
Fry Abundance	0																		
Benthos Sample No.	1																		
Higher Plant Class	2																		
Aquatic Veg. Density	2																		
Ident.	/																		
(1) Mosses	1																		
(2) Algae																			

General Remarks (rehab., land use, barriers, log jams, etc.):

#123  
Spiral Cove  
102-50-37  
10-13-73  
Westlund

No flat area. Stream goes right into bay. No fish observed -  
no carcasses. Nice camping area on left of creek. Stream  
about 15' wide - dark and fast. Bottom is rocks with little  
gravel. Very pretty place.



#124  
Kluani  
102-50-40  
Westlund

No tide flat - bottom drops off fast. Stream located  
in steep valley with no commercial timber. No fish  
observed. No carcasses. Stream is 5' wide, 4-6" deep.  
Two barriers about 50 ft. above high tide.

#125  
102-50-50  
10-13-73  
Westlund

Small tidal area - no grass flat - log laying across stream  
in I.T. zone. Gravel bar runs off left side of stream.  
Mixed trees - hemlock, and cedar, some alders. Stream  
about 6' wide - shallow and fast moving - small rapids  
and pools. Bottom is rubble with a little gravel. Large  
log jam at high tide mark. Fish could only get up at high  
tide and high water. No fish observed.

#126  
102-50-60  
10-13-73  
Westlund

Falls into saltwater. Stream 5' wide - 2-3" deep. No spawning area. No fish observed - no carcasses.

## ACKNOWLEDGMENTS

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