



HABITAT CZM PROJECT
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ANCHORAGE, ALASKA 99502

REVISED ANADROMOUS STREAM CATALOG OF

SOUTHEASTERN ALASKA

Appendix B - District 2

Volume IV

Kasaan Area Survey Data

By:
Paul Novak

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DEPARTMENT OF FISH AND GAME
Building, Juneau, Alaska 99801

James W. Brooks
Commissioner

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 revisions will be made via errata sheets. Major revisions will be made in the form of revised reports.

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REVISED ANADROMOUS STREAM CATALOG OF
SOUTHEASTERN ALASKA

By

Paul Novak
Alaska Department of Fish and Game,
Division of Commercial Fisheries 1975
Ketchikan, Alaska

1975

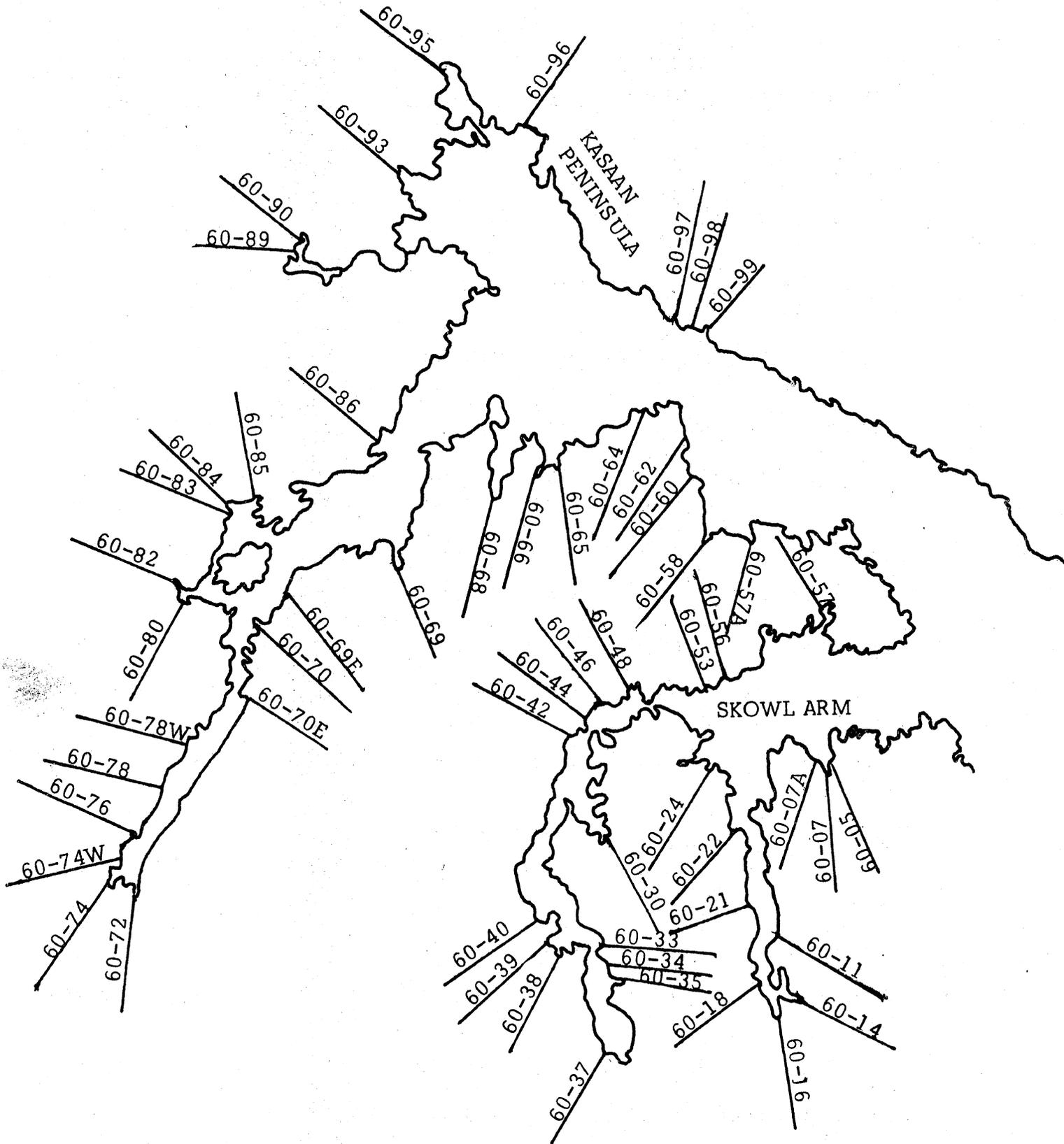
Appendix B - District 2

(Volume IV)

Kasaan Area Survey Data

1. S.E. Alaska
2. Hydrology
- I. Agency

Statistical Area 102
Kasaan Bay - District 2



SUMMARY
STREAM EVALUATIONS

District 2

Kasaan Bay

Name & Number	Average Width	Length	Area (Ft ²)	M ²	Spawning Area (m ²)	Available Area
Saltery Cove 102-60-05	34'	1500'	51,000	4738	60%	2843
Saltery Cove - Left 102-60-07	INCOMPLETE DATA					
Saltery Cove-Right 102-60-07A	NO SPAWNING POTENTIAL					
102-60-11	NO SPAWNING POTENTIAL					
Lf.Hd.McKenzie (IT) 102-60-14	20'	300'	6,000	557	95%	529
	(Str) 20'	1125'	22,500	2090	85%	1777
McKenzie Inlet(Str) 102-60-16	30'	450	13,500	1254	5%	63
	(IT) 30'	300'	9,000	836	90%	752
102-60-18	NO SPAWNING POTENTIAL					
102-60-21	NO SPAWNING POTENTIAL					
102-60-22	6'	450'	2,700	251	25%	63
Old Tom Creek 102-60-24	33'	9040'	298,320	27,714	80%	22,171
Goose Bay 102-60-30	10'	2200'	22,000	2044	75%	1533
102-60-33	NO SPAWNING POTENTIAL					
Polk Inlet 102-60-34	3'	150'	450	42	50%	21
102-60-35	NO SPAWNING POTENTIAL					
Polk Creek 102-60-36	35'	900'	31,500	2926	75%	2195
102-60-37	18'	2640'	47,520	4414	60%	2648
Dog Salmon Creek 102-60-38	28'	18,480'	517,440	48,070	60%	28,842
102-60-39	16.5'	5280'	87,120	8093	75%	6069
102-60-40	14'	1000'	14,000	1300	40%	520
102-60-42(below lake)	60'	6600'	79,200	7357	25%	1839
(above lake)	46'	7920'	364,320	33,845	50%	16,922

Name & Number	Average Width	Length	Area (Ft ²)	M ²	Spawning Area (m ²)	Available Area (m ²)
Virginia Creek 102-60-48	20'	2640'	52,800	4905	30%	1472
Skowl Arm 102-60-53	2'	300'	600	56	5%	3
Monument Creek 102-60-56	10'	450'	4500	418	80%	334
Smith Lagoon 102-60-57	3'	180'	540	50	10%	5
Notch Creek 102-60-57A	NO SPAWNING POTENTIAL					
Hundred-Thousand Cr 102-60-58	15'	1620'	24,300	2257	60%	1354
102-60-60	9'	1020'	9180	853	20%	171
102-60-64	6'	1950'	11,700	1087	60%	652
Little Coal Bay 102-60-65	15'	1200'	18,000	1672	60%	1003
Coal Bay 102-60-66	14'	2400'	33,600	3121	25%	780
Kina Cove 102-60-68	15'	5000'	75,000	6968	75%	5226
102-60-69E	NO SPAWNING POTENTIAL					
102-60-70E	NO SPAWNING POTENTIAL					
102-60-74W	NO SPAWNING POTENTIAL					
102-60-78W	NO SPAWNING POTENTIAL					
12Mile Creek 102-60-70	8'	300'	2400	223	75%	167
12Mile Creek 102-60-72	60'	11,880'	712,800	66,219	35%	23,177
102-60-71	26'	390'	10,140	940	25%	236
W. 12Mile Arm 102-60-76	14'	450'	6300	585	15%	88
12Mile Arm 102-60-78	10'	390'	3900	362	10%	36
Indian Creek 102-60-80	60'	4224	253,440	23,545	85%	20,013
Upstream	40'	11,616	464,640	43 165	30%	12 950

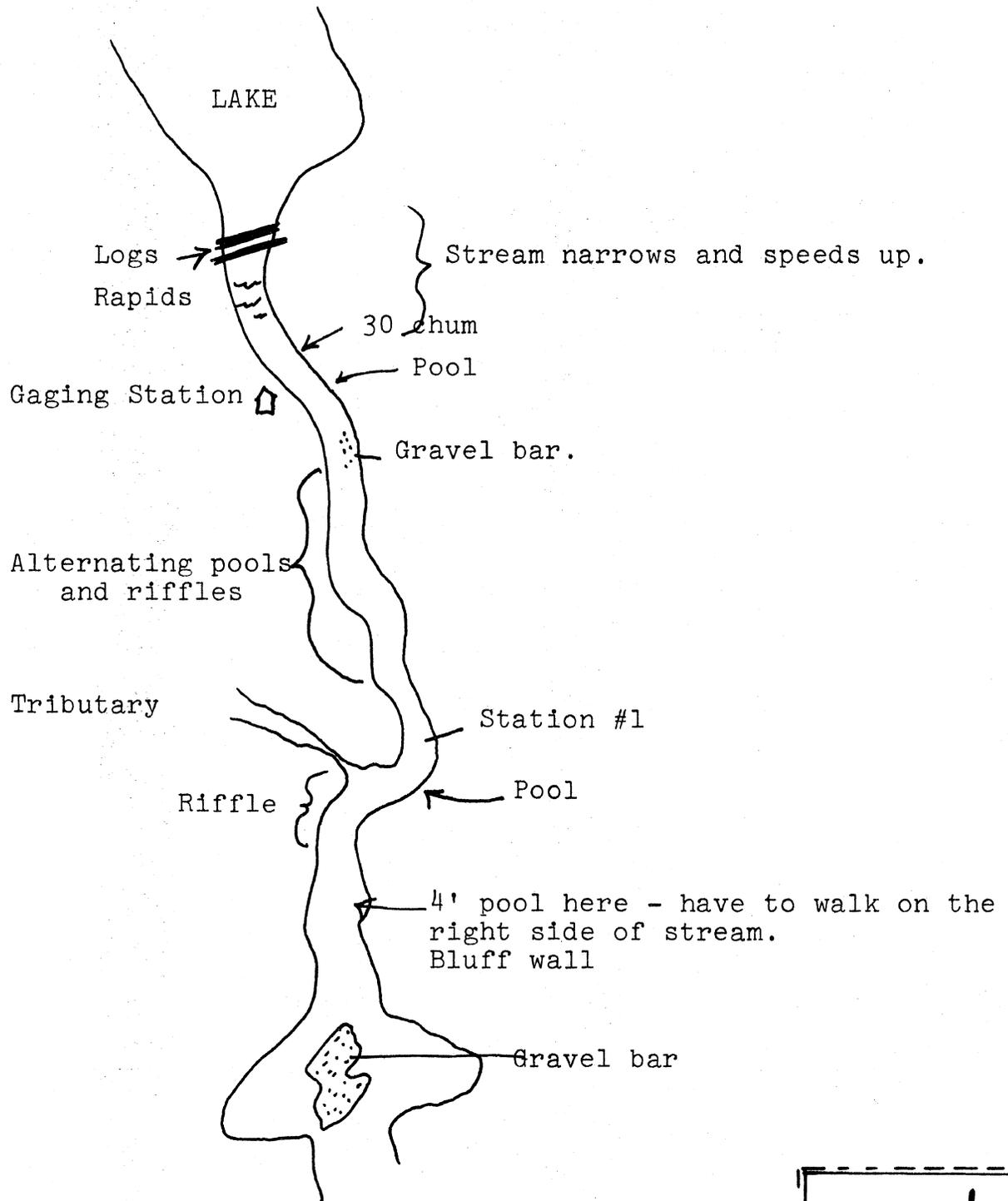
Name & Number	Average Width	Length	Area (Ft ²)	M ²	Spawning Area (m ²)	Available Area (m ²)
Harris River 102-60-82	70'	38,016	2,661,120	247,218	60%	148,331
Road Creek 102-60-83	6'	100'	600	56	20%	11
Maybeso Creek 102-60-84	50'	15,840'	792,000	73,577	45%	33,110
Half Mile Creek 102-60-85	12'	2960	47,520	4415	60%	2649
Pellett Creek 102-60-86	12'	180'	2160	201	40%	80
Trib. Karta Riv. 102-60-87	10'	1980'	19,800	1839	40%	736
Karta River 102-60-87 (bel. falls)	100'	6336'	633,600	58,861	60%	35,317
Between Lakes	40'	1750'	70,000	6503	25%	1626
McGilvery Creek 102-60-89	50'	15,840'	792,000	73,577	70%	51,504
Anderson Creek 102-60-90	114'	5280'	601,920	55,918	60%	33,551
Paul Young Creek 102-60-93	25'	5280'	132,000	12,263	60%	7358
Head-Karta Bay 102-60-95	28'	450'	12,600	1171	10%	117
Poor Man Creek 102-60-97	9'	150'	1,350	125	10%	13
Sunny Hat 102-60-98	12'	2640'	31,680	2943	80%	2354
Old Franks Creek 102-60-44	45'	3600'	162,000	15,050	60%	<u>9030</u>
Polk Inlet 102-60-46	NO SPAWNING POTENTIAL					

KASAAN BAY TOTAL

482,241

30 pink carcasses in I.T. area. Stream enters a small cove - shallow with little I.T. spawning. Tributary that enters near mouth is in I.T. zone.

Stream flows through flat area with medium spruce, hemlock timber. Brush is thick. Good trail on left side.



Name Saltery Cove Creek Catalog No. 102-60-05
 Latitude 55° 24' 03" WR No. 141
 Longitude 132° 19' 13" K No. K160
 Geodetic Map No. Craig - B-1 Work Area _____
 Location Skowl Arm, Saltery Cove Watershed Length 4.25 miles
 Drainage Area of Watershed 6.35 sq. miles
 Water Supply Type Lake and precipitation

Trails & Survey Routes Good trail on left side of stream - 100 yards up.

Aerial Survey Notes Dark water gives bad visibility.

Anchorage Good anchorage for small boats at head of cove.

Tide Stage When Surveyed mid - ebbing.

FISHERY RESOURCES

Commercial Fisheries pink - chum

Escapement records inadequate 10-12-73 100 old chum

Available spawning area - 2,843 M²

Species Composition not known

Timing Late

Schooling areas Small areas off stream mouth.

Shellfish Potential some clams noted in I.T. zone. Not a very good flat.

Sport Fisheries None known.

Land Use at Present Old water gaging station on left side of stream 1/2 way to lake.

History of Land Use Not known.

Rehabilitation Potential 2 or 3 small log jams present. No threat to fishery.

Soils Stable with no sliding or erosion.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	heavy bear use
	Number of droppings	"
Geese -----	Number seen on tide flats	5
	Number seen up creek	0
	Number of broods seen	0
Mallards ---	Number seen on tide flats	8
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	2 indiv
Bald Eagles-	Number seen along creek	10
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	1
Tide flats -	Estimate length along beach	200 yds
	Estimate depth out from beach	10 ft.
	Red grass present on what percent of flats	0

PEAK ESCAPEMENT RECORD

NAME: Saltery Cove Creek

STREAM CATALOG NUMBER: 102-60-05

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Oct. 11, 1930	2,000			Good. Fish mostly spawned out
Sept. 23, 1942	5,000	2,000		Good. 5,000 fish at mouth (G)
Sept. 29, 1943	25,000	10,000		Good. 5,000 fish at mouth (G)
Sept. 25, 1948	2,350	3,800		Good (G)
Oct. 7, 1950				Chum, pink present (G)
Sept. 22, 1953	1,000	4,500		Good (G)
Oct. 3, 1955	6,000	8,000		(G)
Sept. 12, 1959	250	200		None at mouth (A)
Sept. 2, 1960		25		None at mouth (G)
Sept. 5, 1961		4,000		(G) Foot survey to lake
Sept. 6, 1962				1,000 according to Roger Reed, none in stream (A)
Aug. 22, 1963				250 fish at the mouth. Excellent Vis. at the mouth, nothing present intertidally (A)
Oct. 5, 1964	N.O.			Vis. fair (A)
Aug. 12, 1967				Coho and chum intertidally (f0
Aug. 5, 1969				1,300 fish intertidally. Vis. excellent (A)

102-60-07
#128
Saltery Cove Left
Westlund
10-13-73

Small grass flat - a little I.T. spawning area. Cedar,
hemlock timber - med. in value. Stream splits 100 feet
above high tide and comes into flat in 2 places. Some
goose sign. Log jam barrier 150 feet above high tide.

PEAK ESCAPEMENT RECORD

NAME: Saltery Cove Creek, S. head

STREAM CATALOG NUMBER: 102-60-07

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Sept. 29, 1943	10,000	2,000		Good. 3,000 fish in bay (G)
Sept. 25, 1948	105	135		Fair. (G)
Oct. 7, 1950				Live chum, pink present (G)
Oct. 3, 1955	50	25		(G)

#129
Saltery Cove Rt.
102-60-07A
10-13-73
Westlund

Small grass flat. No fish observed. Remains of old
water supply dam for saltery bldgs., 50 feet above high
tide mark. Barrier to salmon.

Barrier at high tide level from log jam and bedrock.
Stream drains a logged area. Water very high and
dark. Stream 4' wide.

Left Head of McKenzie
in Skowl Arm
102-60-14
5-16-74
Joyner

Barrier of logs
and rocks

Steep 20' banks.

8' barrier alls 440 yds. above
I.T.Z. Bedrock.

Logjam barrier to pinks and
chum.

Rapids

375 yds. above I.T.Z.

Gradient starts
to steepen.

Heavy stands of alder both ban
Banks stable.

85% ASA. 2" - 6" gravel

20' wide, 10" deep

Pool

Some logging has taken place.

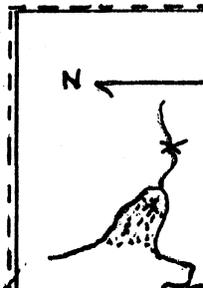
Station #1

Excellent gravel in I.T.Z.
for 100 yards.

95% available spawning area.

Tree line

I.T.Z.



Name _____ Catalog No. 102-60-14
 Latitude 55° 19' 47" WR No. _____
 Longitude 132° 20' 38" K No. K 161
 Geodetic Map No. Craig B-2 Work Area Ketchikan
 Location Skowl Arm- McKenzie Inlet Watershed Length _____
 Drainage Area of Watershed _____
 Water Supply Type Lake and drainage

Trails & Survey Routes Walk in stream.

Aerial Survey Notes Can be surveyed by air.

Anchorage Good anchorage on the west side of Peacock Island at head of McKenzie

Tide Stage When Surveyed _____

FISHERY RESOURCES

Commercial Fisheries Major species appears to be chum. From past data 4,000 observed in 1961.

Escapement Available spawning area (ITZ) - 529 M²

Available spawning area (stream) - 1,777 M²

Species Composition Occasional observations of pink.

Timing Middle - late

Schooling areas Mouth

Shellfish Potential None - too rocky

Sport Fisheries No data

Land Use at Present None

History of Land Use Logged in past

Rehabilitation Potential None - barrier of logs 375 yds up but a barrier falls 65 yds further up on major fork.

Soils Stable.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	<u>0</u>
	Number of droppings	<u>0</u>
Geese -----	Number seen on tide flats	<u>0</u>
	Number seen up creek	<u>0</u>
	Number of broods seen	<u>0</u>
Mallards ---	Number seen on tide flats	<u>0</u>
	Number seen up creek	<u>0</u>
	Number of broods seen	<u>0</u>
Mergansers -	Number of broods seen	<u>0</u>
Bald Eagles-	Number seen along creek	<u>0</u>
	Number of nests seen and location	<u>0</u>
Seals -----	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>
	Eel grass present on what percent of flats	<u>0</u>

PEAK ESCAPEMENT RECORD

NAME: McKenzie Inlet, E. Head

STREAM CATALOG NUMBER: 102-60-14

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Oct. 8, 1930				Stream dry. Fish are stranded
Oct. 3, 1940	4,000	1,000		Excellent (G)
Oct. 2, 1941	12,000	3,000		Excellent (G)
Sept. 22, 1942		2,000		Good. 3,000 fish at mouth (G)
Oct. 3, 1946	1,500	500		Good (G)
Oct. 4, 1947	5,000	5,000		Good (G)
Sept. 26, 1948	1,700	4,950		Excellent (G)
Sept. 21, 1953	8	1,100		(G)
Oct. 15, 1953			3 coho	Fair. 400 dead, mostly chum. Obstruction above high tide (G)
Oct. 3, 1955	450	12		(G)
Sept. 3, 1956	40,000	10,000		
Sept. 23, 1957		3,500		Few pink. Creek is completely dry. (G)
Oct. 7, 1960		14		None at mouth (G)
Sept. 5, 1961		4,000		Few at mouth (G)
Sept. 13, 1962				200 fish present at the mouth. Few dead (A)
Aug. 15, 1963	N.O.			Poor for an aerial survey stream (A)
Sept. 8, 1964	N.O.			(A)
Sept. 20, 1967		240		90 chum intertidally (F)
Aug. 26, 1968				4,300 fish intertidally (A)
Sept. 18, 1969		100		(F)
Aug. 20, 1970				20 chums intertidally. Vis. fair (A)
Sept. 25, 1972	50	120		Vis. good. 3,000 carcasses (F)
Aug. 10, 1973				500 fish intertidally (A)
Aug. 28, 1974	-----1,000-----			Vis. good (A)

② ← Definite barriers, falls 7 minutes walk above Station #1 (10 foot vertical falls) 150 yds from Station #1 to falls.

5% available spawning area from station #1 to falls.

Timber generally poor for the short stretch surveyed.

Easy to walk to falls.

The stream narrows above Station #1 and the velocity increases. Larger gravel (4"-6") and some large boulders in the stream.

A few short stretches (of a few feet each) of good spawning gravel but not much with the best spawning area definitely in the upper I.T.Z.

← Couple trees across stream but no fish blocks or problem to get around.

Tree line

Small trib.

Gravel bars.

Top of intertidal area - excellent gravel 2" - 4" and looks very good. 90% usable spawning gravel in I.T. to Station #1.

Narrow pass

Island

Small but nice grass flats.

Scale 1:63

Name Omar Creek Catalog No. 104-60-16
 Latitude 55° 19' 49" WR No. _____
 Longitude 132° 21' 22" K No. _____
 Geodetic Map No. Craig B-2 Work Area Ketchikan
 Location McKenzie Inlet (Skowl Arm) Watershed Length _____
 Drainage Area of Watershed _____
 Water Supply Type Drainage

Trails & Survey Routes Walk in stream bed.

Aerial Survey Notes Can be surveyed by air.

Anchorage Good anchorage on West side of Peacock Island at head of McKenzie Inlet.

Tide Stage When Surveyed Low.

FISHERY RESOURCES

Commercial Fisheries Small chum run with occasional pink. Largest recorded was 670 + 400 carcasses in 1972.

Escapement Available spawning area (stream) - 63 M²

Available spawning area (ITZ) - 752 M²

Species Composition 95+% chum, rest pink.

Timing Middle - late

Schooling areas Mouth of stream.

Shellfish Potential None

Sport Fisheries No data

Land Use at Present None

History of Land Use Logging in area.

Rehabilitation Potential None

Soils Stable.

GAME RESOURCES

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

PEAK ESCAPEMENT RECORD

NAME: Omar Creek

STREAM CATALOG NUMBER: 102-60-16

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Oct. 8, 1930				Few chum, pink. 4,000 fish at mouth Good early escapement (G)
Oct. 3, 1940	8,000	2,000		Excellent (G)
Oct. 2, 1941	8,500	1,500		Good (G)
Sept. 22, 1942		5,000		Fair. 5,000 fish at mouth (G)
Oct. 3, 1946	700	300		Good (G)
Oct. 4, 1947	25,000	25,000		Good (G)
Sept. 26, 1948	900			Good (G)
Sept. 28, 1948		5,000		Good (G)
Sept. 21, 1953	6	600		(G)
Oct. 3, 1955	500	50		(G)
Aug. 25, 1956	150	500		2,000-4,000 pink at mouth
Sept. 3, 1957	7,500	22,500		Good
Sept. 20, 1958				Few live pink. Good visibility (A)
Oct. 7, 1960		8		None at mouth (G)
Aug. 18, 1961				100 at mouth (A) None observed in stream.
Sept. 13, 1962				Fish present, few dead (A)
Aug. 15, 1963				Poor for an aerial survey stream. Very low. Nothing intertidally. (A)
Sept. 8, 1964	N.O.			(A)
Sept. 20, 1967	3	290		(F)
Sept. 12, 1973	100	1,650		Water high, Numerous carcasses. Vis good.
Aug. 8, 1974				Four jumps. One school = 50 fish Vis. good (A)

Stream 6' wide, very fast. Water high and dark. Barrier falls just above high tide.

PEAK ESCAPEMENT RECORD

NAME: McKenzie Inlet, W. shore 1.7 miles from head

STREAM CATALOG NUMBER: 102-60-18

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Sept. 6, 1948	210	1,915		Good. 100 fish at mouth (G)
Sept. 21, 1953	6	100		(G)

102-60-21
McKenzie Inlet
10-9-73
Downey, Smith

N 55° 21' 47"
W 132° 22' 22"

Very small stream with 20 yards of I.T. most of which is large boulders.
Above I.T. stream goes up steep mountain. Very poor, if any, potential.
Possibly a couple of spawners I.T.

102-60-22
McKenzie Inlet
Downey - Smith
10-9-73

Heavy rain - stream may be up a little.

Stopped here -
200 yards

Open meadow

25% usable spawning
area from top of I.T.
to beaver dam.

Stream is 6 feet wide.

Slough area now with water backed up
by beaver dam.

New beaver dam with water backed
up and flooding this entire area.

Small tributary.

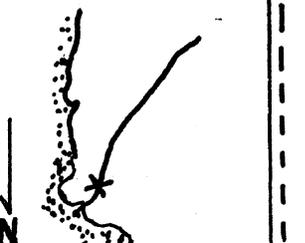
Silty

Some good gravel (50 yards) but is
mostly silty and smaller type gravel
1/4" - 1".

Logs and debris in the stream at the
top of the I.T. area. Bedrock and
large boulders.

5% usable spawning area in I.T. zone.

Scale 1:63,360



Name _____ Catalog No. 102-60-22
 Latitude N 55° 23' 02" WR No. _____
 Longitude W 132° 22' 33" K No. _____
 Geodetic Map No. Craig B-2 Work Area Ketchikan
 Location Skowl Arm - McKenzie Inlet Watershed Length _____
 Drainage Area of Watershed _____
 Water Supply Type Precipitation - runoff and probably springs.

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

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

Anchorage Paul Bight or Saltery Cove.

Tide Stage When Surveyed 1/2 tide and flooding

FISHERY RESOURCES

Commercial Fisheries Unknown - no records

Escapement Unknown

Available spawning area - 63 M²

Species Composition Unknown

Timing Unknown

Schooling areas Would be off the mouth

Shellfish Potential Almost zero - very rocky.

Sport Fisheries None

Land Use at Present None

History of Land Use None

Rehabilitation Potential None - too small and poor to have much fish potential.

Soils Generally stable - flat gradient to the furthest point walked.

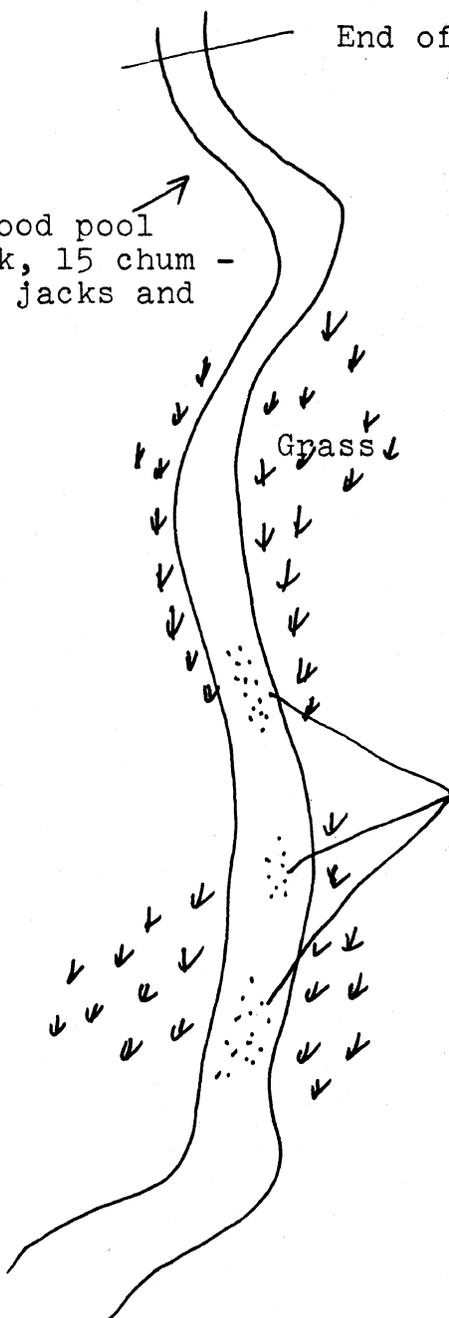
GAME RESOURCES

Bear -----	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
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	almost z
	Estimate depth out from beach	-
	Eel grass present on what percent of flats	-

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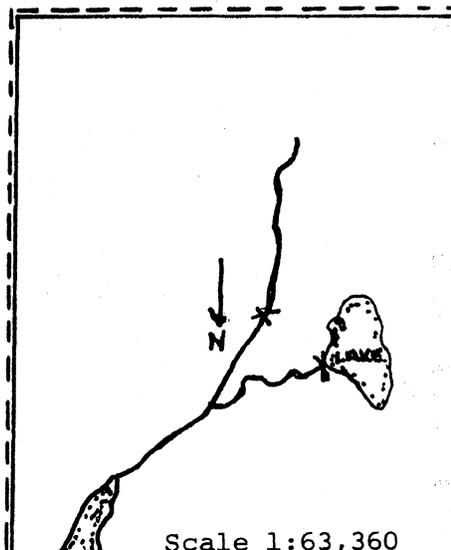
End of I.T. zone

Good pool
20 coho, 1 pink, 15 chum -
several silver jacks and
trout.



Excellent I.T. spawning area

Gravel bars



* continued to next page.

Long riffle
with good gravel

pool - under
stump - 60 coho,
20 chum, some
cbho jacks, dollies

Bedrock

Logs

Gravel bar

Logs

Gravel bars

logs

Log jam - partial barrier

Log jam

Gaging station

30 coho

Riffle

Pool

40 coho, 20 chum

Station #1
Old weir platform

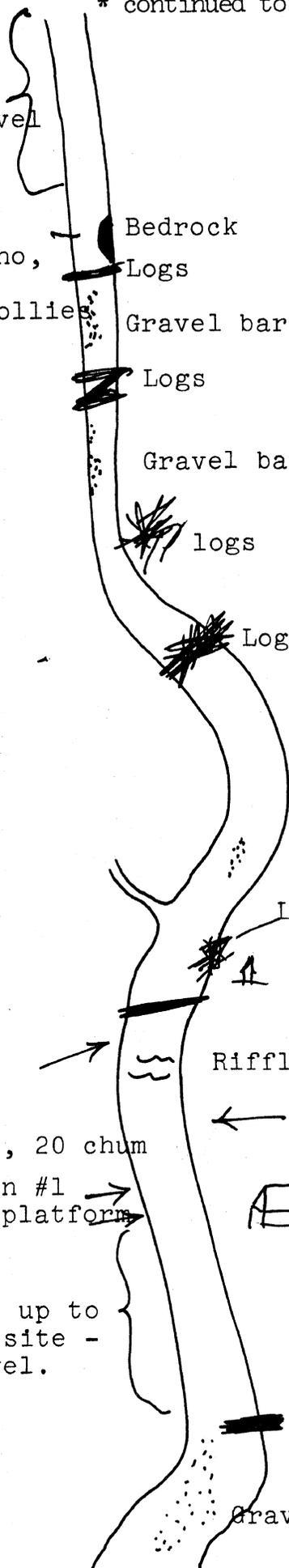
Weir cabin

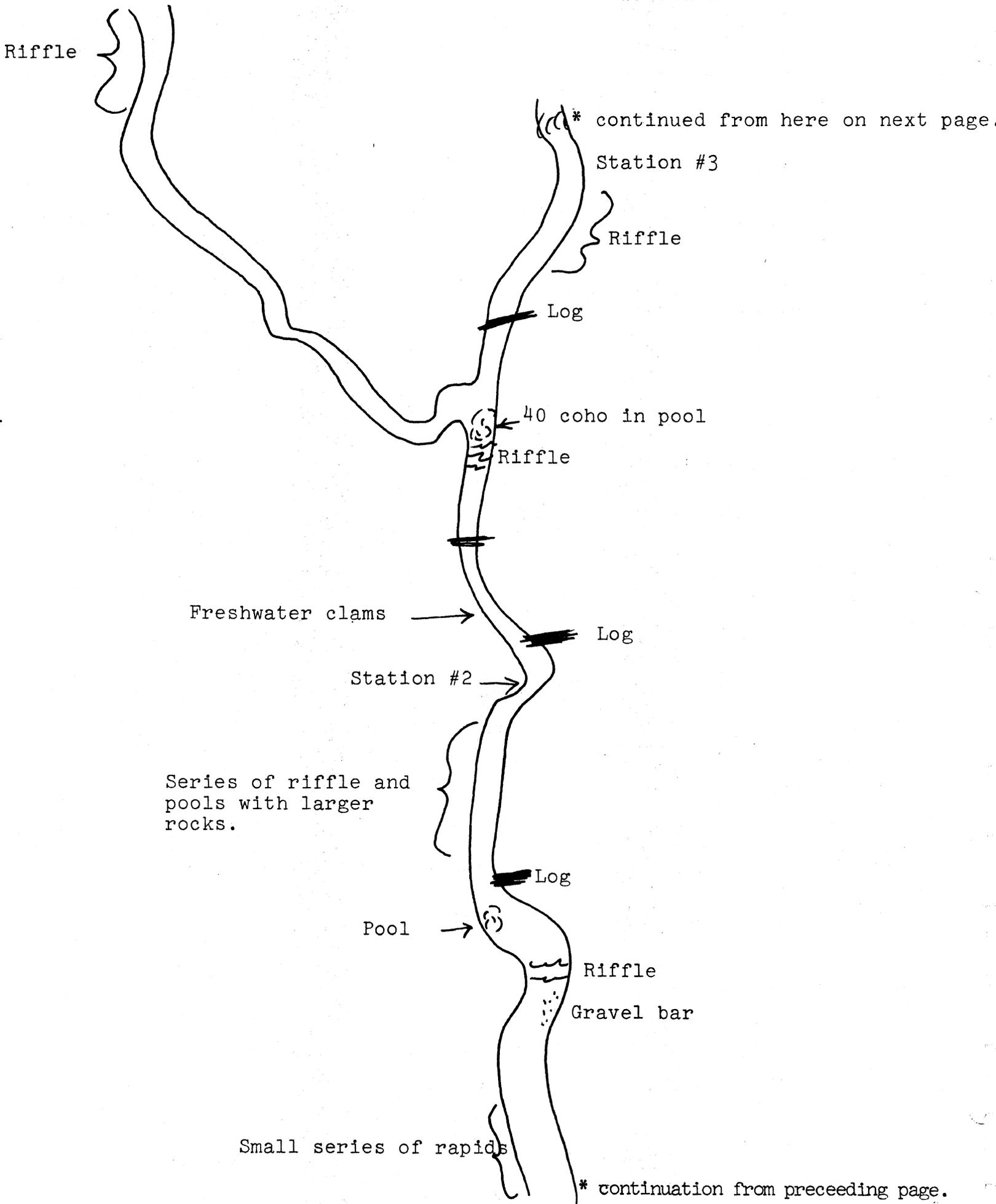
Long pool up to
old weir site -
good gravel.

Log

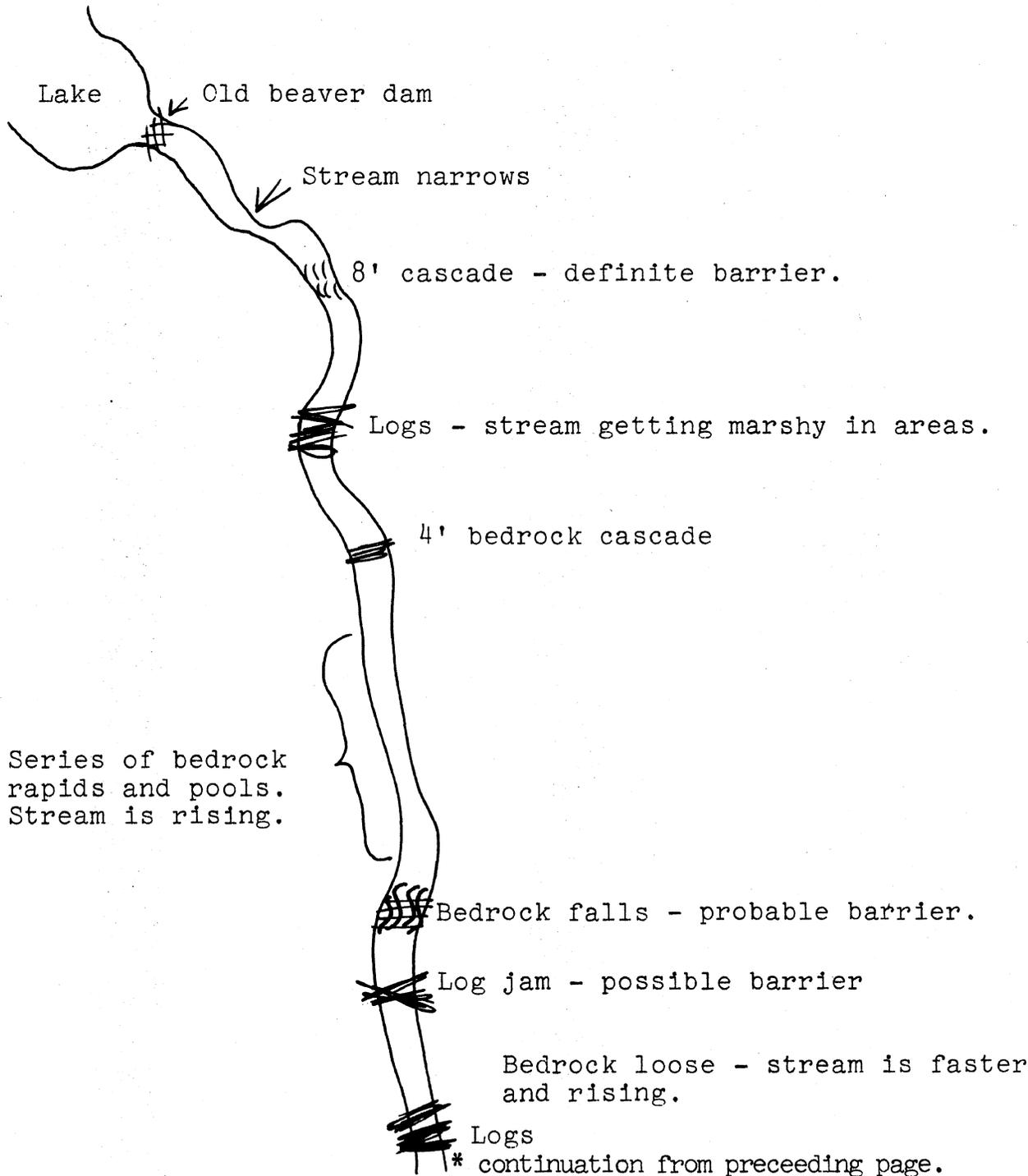
Gravel bar - lots of carcasses

* continuation from previous page





Old Tom
102-60-24
10-14-73
Westlund



Name Old Tom Catalog No. 102-60-24
 Latitude 55° 24' 00" WR No. 142
 Longitude 132° 24' 00" K No. K163
 Geodetic Map No. Craig - B-2 Work Area _____
 Location Skowl Arm - Paul Bight Watershed Length 3.0 miles
 Drainage Area of Watershed 5.80 sq. miles
 Water Supply Type Lake and precip.

Trails & Survey Routes Old trail on left side but very brushy, Stream is easily waded and streambed is best trail.

Aerial Survey Notes Good visibility in stream.

Anchorage Good anchorage for small boats in Paul Bight.

Tide Stage When Surveyed mid - flooding.

FISHERY RESOURCES

Commercial Fisheries Pink, chum, coho, red

Escapement 10-12-73 - 160 coho, 2 reds, 200 chum
Available spawning area - 22,171 M²

Species Composition _____

Timing Late

Schooling areas In bight off stream mouth, and also in tidal lagoon during high tide.

Shellfish Potential Some clam shells present, however, no large mud flats present.

Sport Fisheries Possible coho sport fishery.

Land Use at Present None.

History of Land Use Fish and Wildlife Service weir cabin and water gaging station on stream just above H.T. mark.

Rehabilitation Potential Stream is of major importance as a spawning stream.

Soils _____

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	<u>heavy bear</u>
	Number of droppings	
Geese -----	Number seen on tide flats	<u>25</u>
	Number seen up creek	<u>0</u>
	Number of broods seen	<u>0</u>
Mallards ---	Number seen on tide flats	<u>40</u>
	Number seen up creek	<u>5</u>
	Number of broods seen	<u>0</u>
Mergansers -	Number of broods seen	<u>10 ind</u>
Bald Eagles--	Number seen along creek	<u>18</u>
	Number of nests seen and location	<u>0</u>
Seals -----	Number seen at mouth of stream	<u>0</u>
Tide flats -	Estimate length along beach	<u>1/4 m</u>
	Estimate depth out from beach	<u>20 y</u>
	Bel grass present on what percent of flats	<u>0</u>

PEAK ESCAPEMENT RECORD

NAME: Old Tom Creek

STREAM CATALOG NUMBER: 102-60-24

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Oct. 9, 1930	285,000	15,000		Banks, flats covered with dead fish (G)
Sept. 21, 1939	10,000			Excellent. Chum numerous. 25,000 pink at mouth
Oct. 3, 1940	75,000	5,000		Excellent. 20,000 fish at mouth (G)
Oct. 2, 1941	80,000	20,000		Excellent (G)
Sept. 22, 1942	40,000	10,000		Good. 50,000 fish at mouth (G)
Oct. 3, 1946	75,000	4,000		Overseeded (?) (G)
Oct. 4, 1947	2,500	2,500		Good. Run about over (G)
Sept. 26, 1948		5,750		Good. 5,000 off mouth
Sept. 28, 1948	23,000			(G)
Oct. 8, 1949 (Weir)	23,036	19,407	32 coho, 12 red	5,000 spawned below weir
Oct. 6, 1950 (Weir)	15,347	6,505	156 coho, 18 red	Final total. Weir installed Aug. 25
Oct. 16, 1951 (Weir)	51,675	22,423	84 coho, 6 red	Final total. Weir installed Aug. 6
Oct. 7, 1952 (Weir)	9,433			Final total. Weir installed Sept. 1
Oct. 12, 1953 (Weir)	3,994	21,995	146 coho	Final total. Weir installed Aug. 14
Oct. 16, 1954 (Weir)	59,066	4,119	392 coho	Final total. Weir installed Aug. 18
Oct. 12, 1955 (Weir)	21,185	3,866	130 coho, 10 red	4,000 spawned below weir
Oct. 6, 1956 (Weir)	33,681	53,661	5 coho	Final total. Weir installed Aug. 18
Sept. 30, 1957 (Weir)	1,248	19,704	24 coho	4,000 spawned below weir
Sept. 12, 1959	1,000	140	200 coho	None at mouth (A)
Oct. 6, 1960		30		None at mouth (G)
Sept. 1, 1961	1,000			(A)

PEAK ESCAPEMENT RECORD

NAME: Old Tom Creek

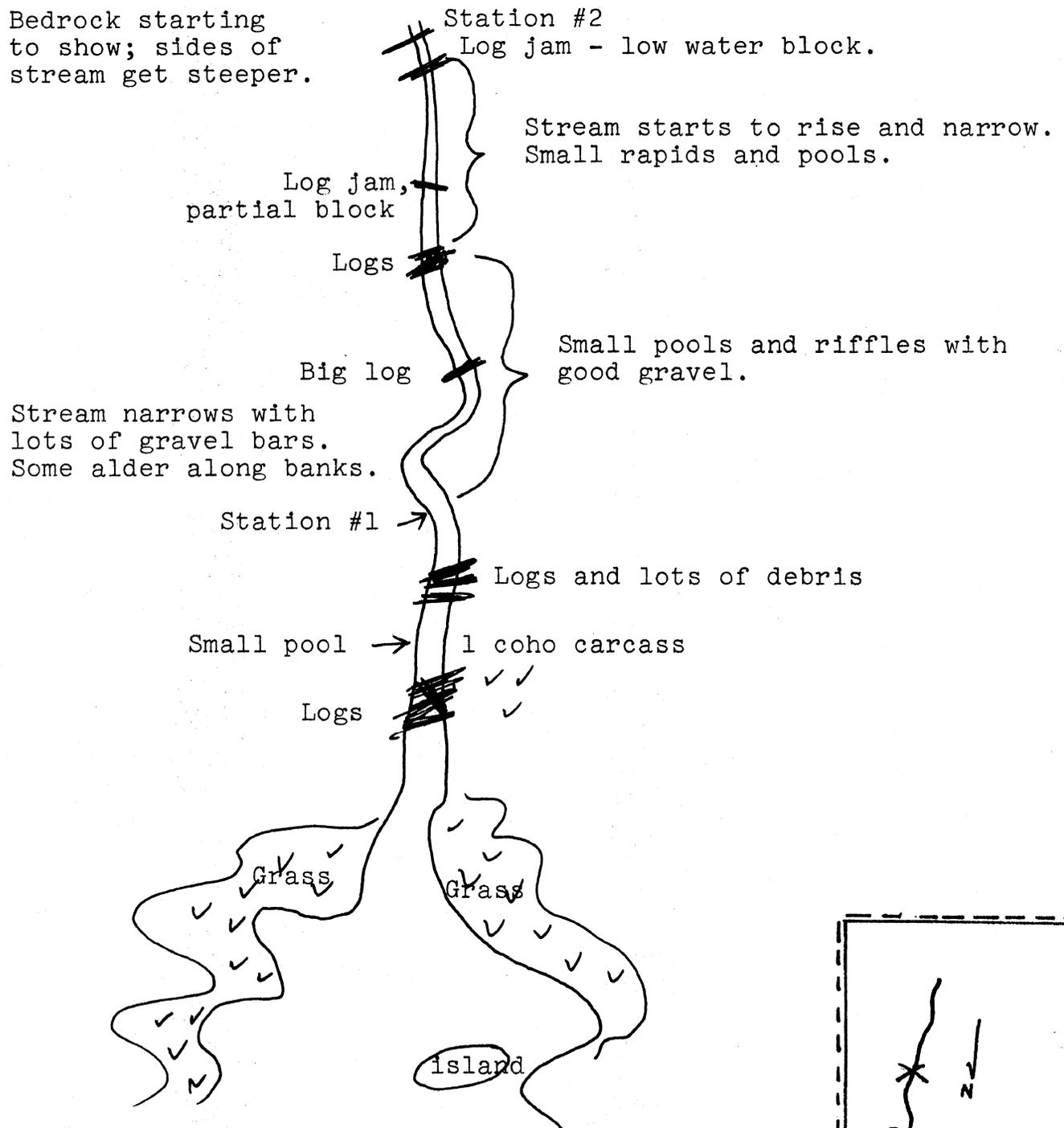
STREAM CATALOG NUMBER: 102-60-24

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Sept. 18, 1961	-----5,000-----			F.W.S. personnel (F)
Sept. 13, 1962	14,000			Vis. poor (A)
Aug. 29, 1963	-----1,000-----			3,000 fish intertidally (A)
Sept. 24, 1964	-----6,900-----			Many hundred dead, vis. fair to poor. 5,000 fish present intertidally (A)
Sept. 13, 1965	1,200			4,000 fish intertidally, Vis. good 120 chum in creek on Sept. 16, 1965 (A)
Sept. 13, 1966				8,000 fish intertidally. Vis. good in the intertidal zone, poor at mouth (A)
Aug. 30, 1967	215			Stream high (F)
Sept. 20, 1967		3,220	2 coho	200 chum intertidally (F)
Aug. 19, 1968				4,000 pink intertidally. No sign of salmon at stream mouth (A)
Sept. 4, 1969	1,700			800 fish intertidally. Some dog (F)
Sept. 18, 1969		2,700		(F)
Sept. 14, 1970	2,300	450		Sept. 9, 1970 had 3-4,000 fish intertidally (F)
Sept. 14, 1971	-----21,000-----			Many jumps in bay. (A)
Sept. 26, 1972	3,220	1,370		Vis. good. Number of pink and chum carcasses. 2,170 pinks fresh schooled fish (F)
Aug. 13, 1973				5,000 fish intertidally. Vis. good (A)
Aug. 23, 1974	2,000			6,000 fish intertidally. Vis. good
Sept. 18, 1974		500		2,000 carcasses. Vis. poor (A)

Large tidal area with grass flats. Lots of goose sign and 10 or 12 geese. Many carcasses of pink and chum on flats. Excellent spruce-hemlock timber. Stream flows through flat area. Broad and easy to walk. Many places of blowdown but good gravel and spawning area.

Lower part of stream is best spawning area. Upper part has too many large rocks, and bedrock.

Bedrock starting to show; sides of stream get steeper.



Name Goose Bay Creek Catalog No. 102-60-30
 Latitude 55° 22' 43" WR No. 142K
 Longitude 132° 27' 45" K No. K164
 Geodetic Map No. Craig - B-2 Work Area _____
 Location Skowl Arm - Polk Inlet Watershed Length 1.5 miles
 Drainage Area of Watershed 2.07 sq. miles
 Water Supply Type Precip.

Trails & Survey Routes Good stream to walk - wide and gentle in slope no trails.

Aerial Survey Notes Trees block out major part of stream from aerial view

Anchorage Good anchorage in outer part of Goose Bay.

Tide Stage When Surveyed Low - flooding.

FISHERY RESOURCES

Commercial Fisheries Chum, pink, coho.

Escapement 1973 - 710 chum, 30 pink, 1 coho.

Available spawning area - 1,533 M²

Species Composition 95% chum

Timing Late

Schooling areas in bay off stream mouth.

Shellfish Potential fair - some clams present.

Sport Fisheries Possible limited coho population - stream is not very fishable.

Land Use at Present None

History of Land Use None

Rehabilitation Potential None required.

Soils Relatively stable - stream flows through flat area near mouth. Banks in upper part are moderately steep.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	<u>many</u>
	Number of droppings	<u>12</u>
Geese -----	Number seen on tide flats	<u>0</u>
	Number seen up creek	<u>0</u>
	Number of broods seen	<u>0</u>
Mallards ---	Number seen on tide flats	<u>70</u>
	Number seen up creek	<u>0</u>
	Number of broods seen	<u>0</u>
Mergansers -	Number of broods seen	<u>10 ind</u>
Bald Eagles-	Number seen along creek	<u>8</u>
	Number of nests seen and location	<u>0</u>
Seals -----	Number seen at mouth of stream	<u>0</u>
Tide flats -	Estimate length along beach	<u>1/2 m</u>
	Estimate depth out from beach	<u>100 y</u>
	Eel grass present on what percent of flats	<u>10%</u>

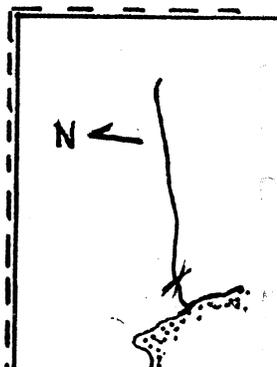
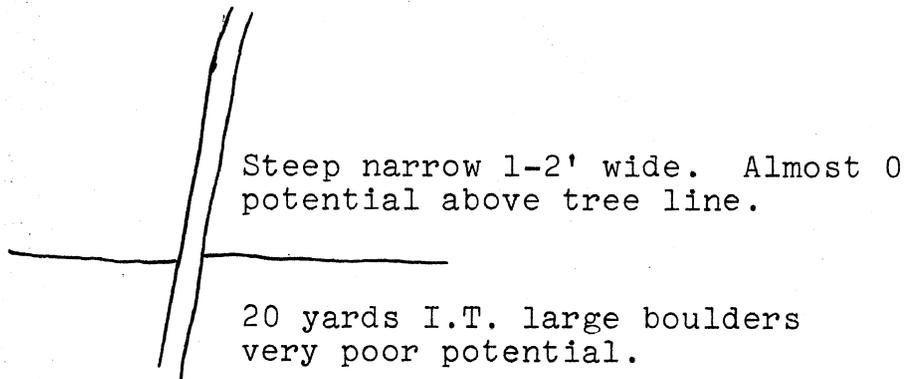
PEAK ESCAPEMENT RECORD

NAME: Goose Cove, Head

STREAM CATALOG NUMBER: 102-60-30

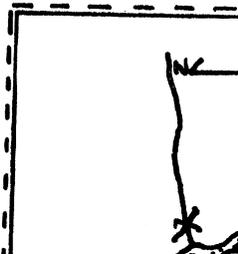
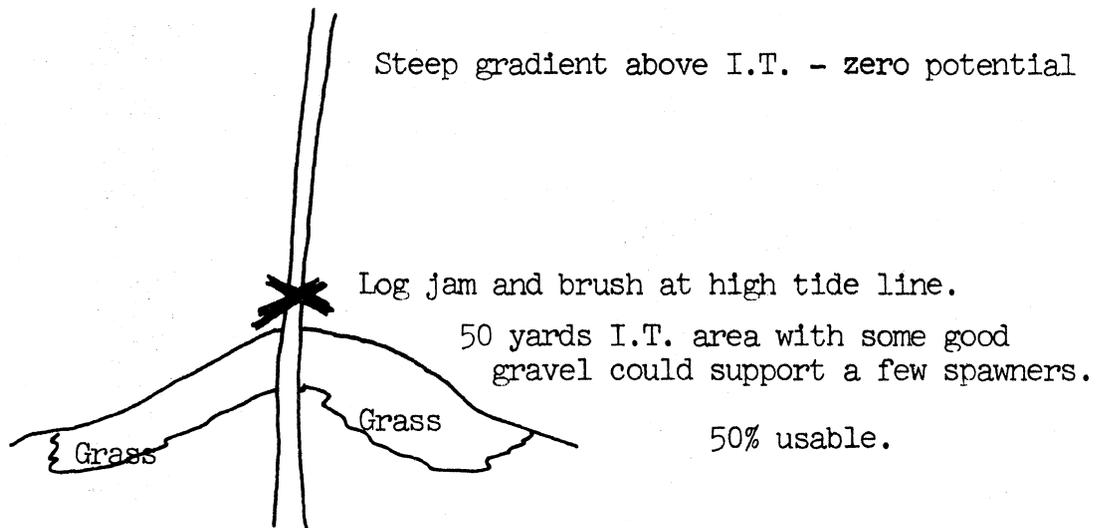
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Sept. 27, 1948	45	850		Poor, 30 fish off mouth (G)
Sept. 17, 1953	1	500		Poor (G)
Sept. 13, 1966				1,500 chum intertidally. Vis. good (A)
Aug. 30, 1967		10		150 pinks intertidally. (F)
Aug. 26, 1968				3,500 fish intertidally. Vis. fair (A)
Sept. 9, 1970		300		Vis. poor. (A)
Aug. 16, 1972				500 fish intertidally. Vis. good (A)
Sept. 13, 1973	30	710		10 pink carcasses, 100 chum carcasses (F)

Very small stream running off steep mountain through about 20 yards of I.T. area with large boulders. Very little if any spawning potential.



102-60-34
Polk Inlet
Downey - Smith
10-8-73

This is a very small stream 2 - 3' wide. The 50 yards of I.T. area has some good gravel which could support a few spawners. Above I.T. gradient is steep with no potential. Overall this stream has very little potential.



Name _____ Catalog No. 102-60-34
 Latitude N 55° 20' 31" WR No. _____
 Longitude W 132° 28' 20" K No. _____
 Geodetic Map No. Craig B-2 Work Area Ketchikan
 Location Skowl Arm - Polk Inlet 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 Anchor in Goose Bay, Paul Bight or Saltery Cove.

Tide Stage When Surveyed 2/3 tide and ebbing.

FISHERY RESOURCES

Commercial Fisheries Unknown

Escapement Unknown

Available spawning area - 21 M²

Species Composition Unknown

Timing Unknown

Schooling areas Would be off the mouth.

Shellfish Potential Would be poor due to the rocky intertidal zone.

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, or just above the tree line.

GAME RESOURCES

Bear -----	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
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	very littl
	Estimate depth out from beach	-
	Eel grass present on what percent of flats	-

102-60-35

Stream enters saltwater on a little grass flat. Small I.T. spawning area. No fish observed - no carcasses. Small grass flat on each side. Timber good - spruce and hemlock. Log jam just above high tide and double log barrier jam 10' above that. Stream banks brushy and steep. Stream rises fast as you get away from saltwater. 20% spawning area.

PEAK ESCAPEMENT RECORD

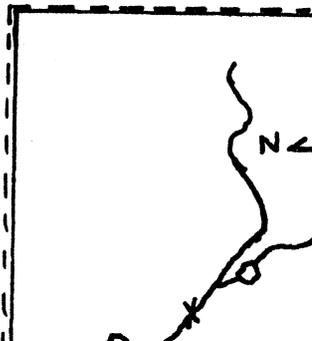
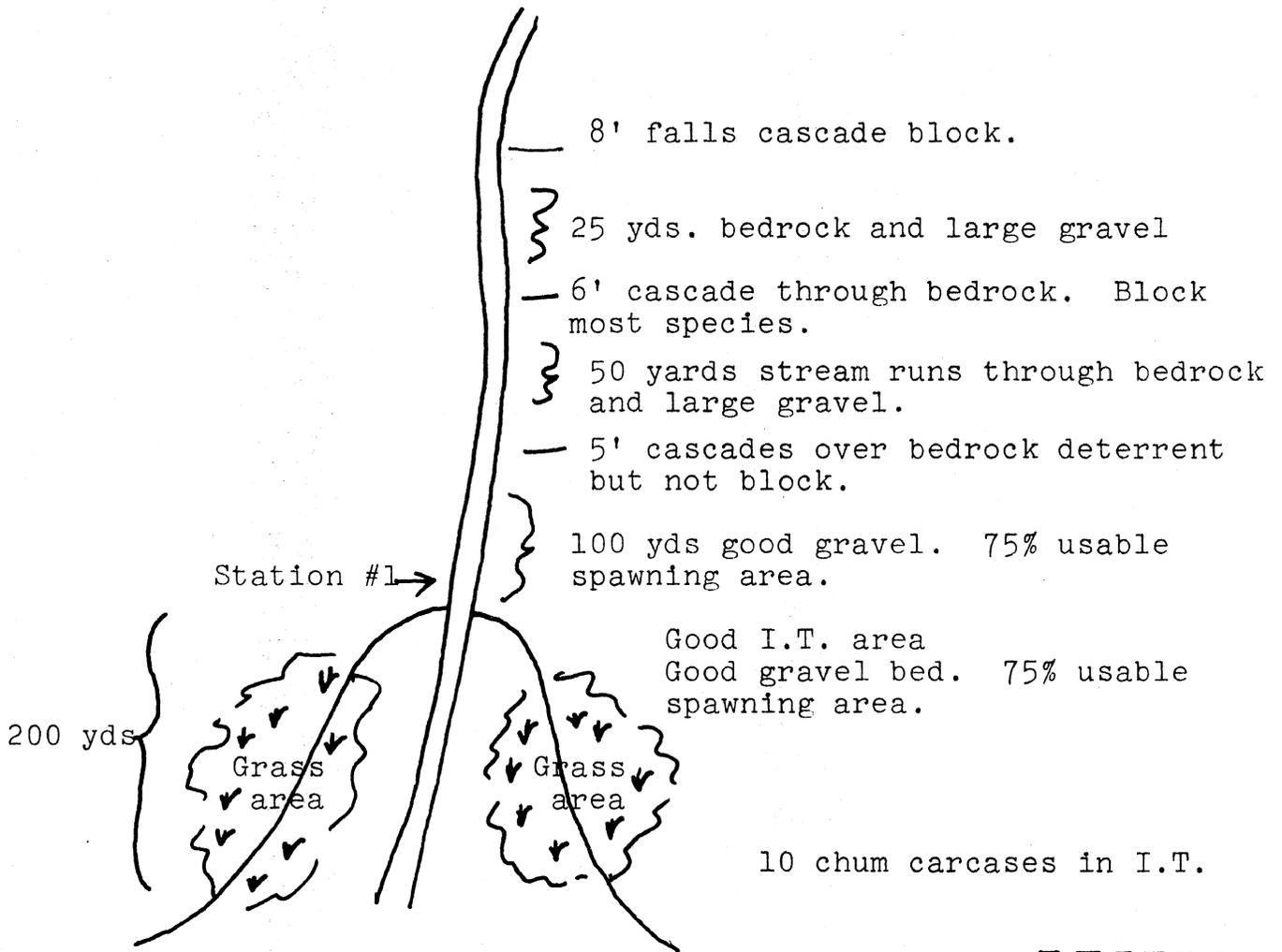
NAME: Polk Inlet, E. shore 1.8 miles from head

STREAM CATALOG NUMBER: 102-60-35

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Sept. 27, 1948	10	20		Poor. 10 fish at mouth (G)

Polk Creek
102-60-36
Head Polk Inlet
10-8-73

Good I.T. area through grass flats with good gravel 75% usable spawning area. Above I.T. stream flattens out through good gravel beds approximately 35' wide for 100 yards, then it narrows through bedrock cascades which form a block.



Name Polk Creek Catalog No. 102-60-36
 Latitude N 55° 18' 57" WR No. _____
 Longitude W 132° 27' 34" K No. 165
 Geodetic Map No. Craig B-2 Work Area Ketchikan
 Location Skowl Arm - Head Polk Inlet 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 Too much overstory for surveying above the intertidal zone

Anchorage Goose Bay, Paul Bight, or Saltery Cove: Refer to the coast pilot.

Tide Stage When Surveyed 1/2 tide and flooding.

FISHERY RESOURCES

Commercial Fisheries Pink and chum

Escapement 5,000 pink and 10,000 chum on 10-4-47: 30 pink and 15 chum on 10-4-55: 6,000 pink on 9-14-71: Available spawning area - 2,195 M²

Species Composition Varies quite a bit - I'll let the figures speak for themselves.

Timing Late

Schooling areas Off the mouth and couple of pools above the intertidal zone.

Shellfish Potential Large flats - should be good clam and possible dungeness crabs.

Sport Fisheries None

Land Use at Present None

History of Land Use None

Rehabilitation Potential Didn't walk above the falls and doubt if it has any potential (not a large stream) - but it is a possibility.

Soils Banks stable to the falls - no slumpage areas.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	a few
	Number of droppings	a few - 2 b
Geese -----	Number seen on tide flats	150
	Number seen up creek	0
	Number of broods seen	0
Mallards ----	Number seen on tide flats	20
	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	2
Tide flats -	Estimate length along beach	large flats
	Estimate depth out from beach	-
	Eel grass present on what percent of flats	-

PEAK ESCAPEMENT RECORD

NAME: Polk Creek

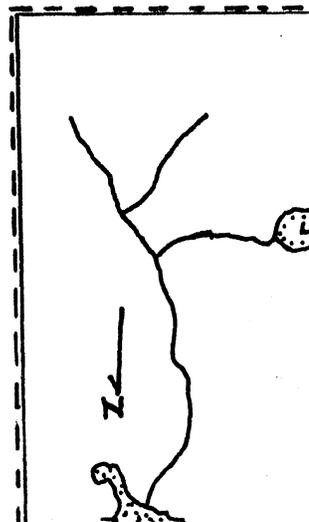
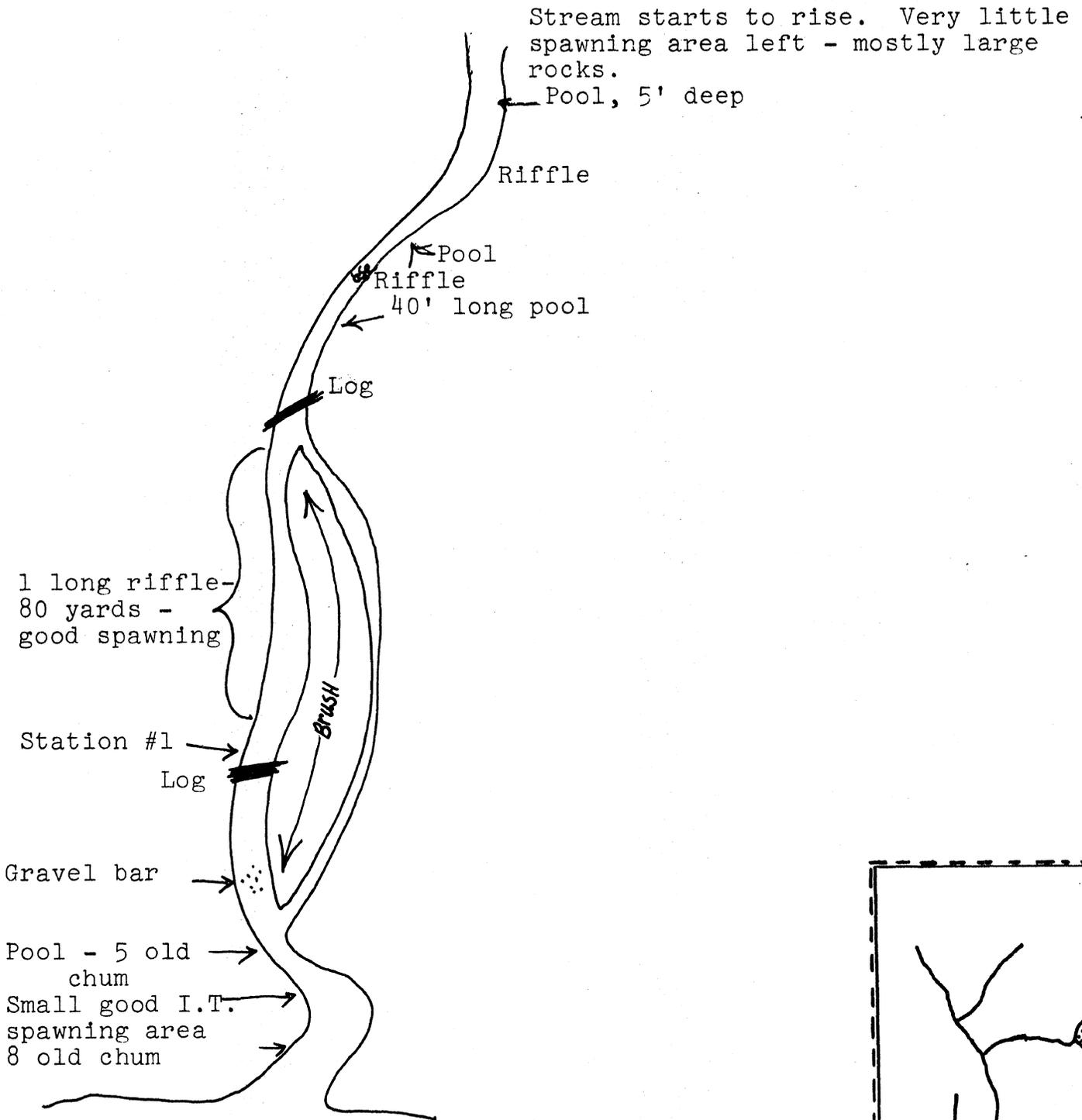
STREAM CATALOG NUMBER: 102-60-36

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Oct. 12, 1930	5			Poor (G)
Oct. 4, 1947	5,000	10,000		Good (G)
Sept. 27, 1948		3,600		Poor. 250 fish at mouth (G)
Sept. 16, 1952	0	200		(G)
Sept. 16, 1953	0	100		Poor. 50 chum in intertidal (G)
Oct. 4, 1955	30	15		Poor (G)
Sept. 13, 1962	N.O.			(A)
Aug. 10, 1963			Coho fry present	Bottom composition - rock & boulders with some gravel, impassible at 18 foot falls 3/8 mile upstream (G)
Aug. 30, 1964				150-200 fish present intertidally Vis. excellent. (F)
Aug. 30, 1967	10	85		4-500 fish intertidally (F)
Aug. 26, 1968				5,000 fish intertidally. Vis. excellent (A)
Sept. 4, 1969	800			50 fish intertidally. Had 100 chum on Aug. 28, 1969 (F)
Sept. 9, 1970		400		Vis. poor (A)
Aug. 27, 1971	4,000			3,000 fish intertidally. Some present in left stream. (A)
Aug. 16, 1972				1,000 fish intertidally. Vis. good (A)
Aug. 31, 1973	3,200			1,000 fish intertidally. Vis. excellent (H)
Sept. 18, 1974				1,000 dead chum. Vis. poor (A)

102-60-37
Rock Creek
10-13-73
Westlund

Flows through cut area. Brush thick and close to stream.

Alders growing. Stream flows through level area.



Name Rock Creek Catalog No. 102-60-37
 Latitude 55° 18' 50" WR No. 142 H
 Longitude 132° 27' 55" K No. K166
 Geodetic Map No. Craig - B-2 Work Area _____
 Location Skowl Arm - Hd Polk Inlet Watershed Length 3.0 miles
 Drainage Area of Watershed 5.79 sq. miles
 Water Supply Type Lake and precip.

Trails & Survey Routes No trails. Walk up stream bed. Stream goes through logged area.

Aerial Survey Notes Visibility excellent for aerial surveys.

Anchorage Good anchorage in head of Polk Inlet

Tide Stage When Surveyed High - flooding.

FISHERY RESOURCES

Commercial Fisheries Pink, chum.

Escapement 10-12-73 15 old chum.

Available spawning area - 2,648 M²

Species Composition _____

Timing Late (estimate)

Schooling areas In bay off stream mouth

Shellfish Potential None no I.T. area.

Sport Fisheries None

Land Use at Present None

History of Land Use Stream flows through logged area about 10 years o

Rehabilitation Potential Many areas of slash and blowdown that could be cleared.

Soils Stream flows through flat area with some old channels present. Banks well away from stream.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	Many old carcasses.
	Number of droppings	<u>0</u>
Geese -----	Number seen on tide flats	<u>0</u>
	Number seen up creek	<u>0</u>
	Number of broods seen	<u>0</u>
Mallards ---	Number seen on tide flats	<u>0</u>
	Number seen up creek	<u>0</u>
	Number of broods seen	<u>0</u>
Mergansers -	Number of broods seen	<u>0</u>
Bald Eagles-	Number seen along creek	<u>2</u>
	Number of nests seen and location	<u>0</u>
Seals -----	Number seen at mouth of stream	<u>0</u>
Tide flats -	Estimate length along beach	<u>50 yds</u>
	Estimate depth out from beach	<u>10 yds</u>
	Eel grass present on what percent of flats	<u>0</u>

PEAK ESCAPEMENT RECORD

NAME: Rock Creek

STREAM CATALOG NUMBER: 102-60-37

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Oct. 12, 1930	15			Poor. Very poor showing of dead fish (G)
Sept. 21, 1942	1,000			Fair (G)
Sept. 27, 1948	215	5,000		Fair. 250 off mouth (G)
Sept. 16, 1953	12	500	8 coho	(G)
Oct. 4, 1955	50	50		Poor (G)
Aug. 28, 1956		900		(G)
Sept. 2, 1956				7,200 pink at mouth (G)
Sept. 13, 1962				Few fish present (A)
Aug. 22, 1963				500 fish at mouth. Nothing intertidally. (A)
Aug. 30, 1964		134		120 fish present intertidally. On Aug. 20, 1964. 300 fish were present intertidally (F)
Aug. 25, 1965				100 fish at mouth (A)
Sept. 13, 1966				20 chum intertidally. Vis. good (A)
Aug. 30, 1967		85		4-500 fish intertidally (F)
Sept. 4, 1969	2,500			100 fish intertidally (F)
Sept. 13, 1970	25	425		Jumpers in inlet (F)
Aug. 9, 1971				100 fish intertidally. Skiff survey
Aug. 16, 1972				1,000 fish intertidally. Vis. good (A)
Aug. 31, 1973	1,400			5,500 fish intertidally (H)
Sept. 18, 1974				1,000 dead chum. Vis. poor (A)

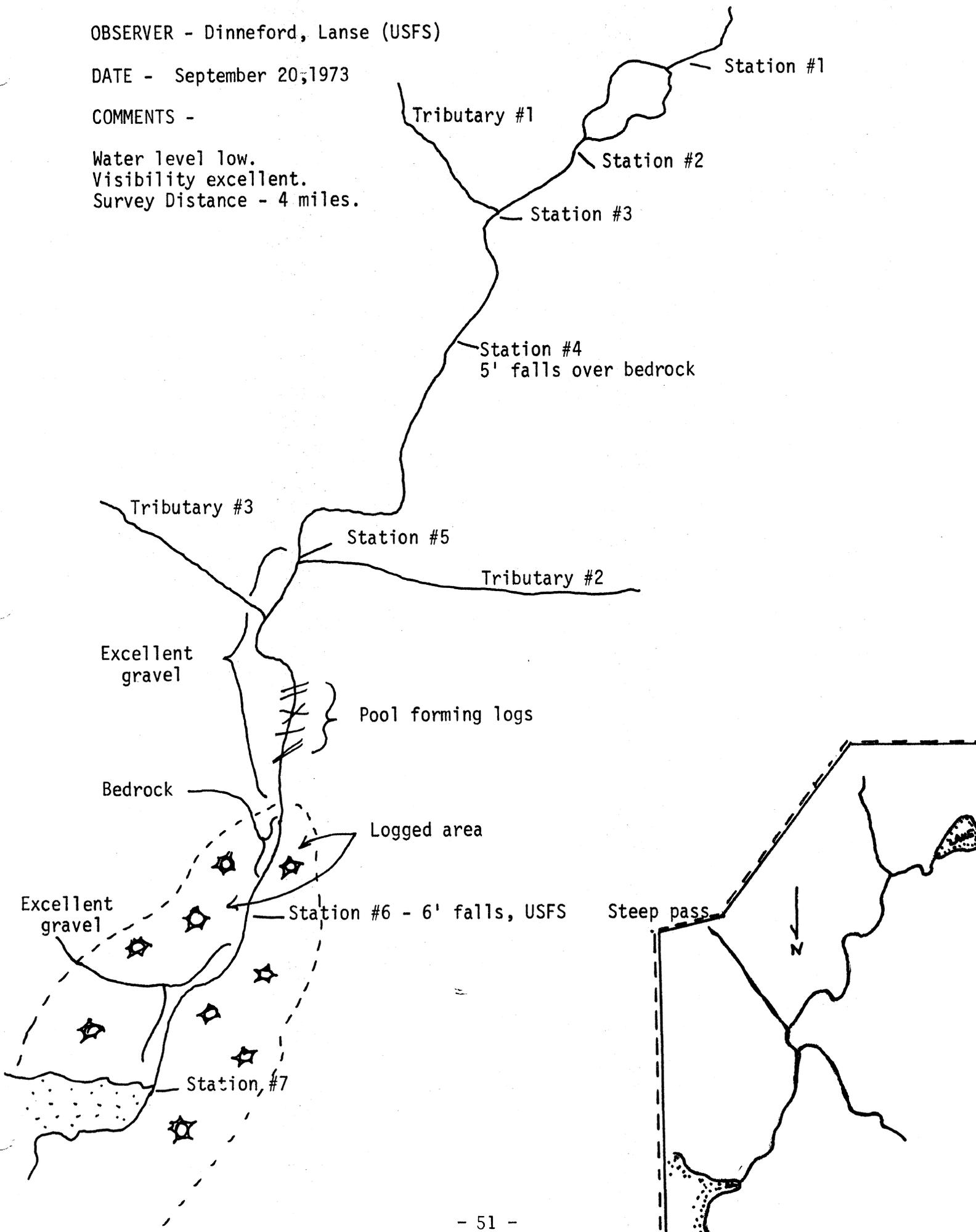
DOG SALMON CREEK
102-60-38

OBSERVER - Dinneford, Lanse (USFS)

DATE - September 20, 1973

COMMENTS -

Water level low.
Visibility excellent.
Survey Distance - 4 miles.



Name Dog Salmon Creek Catalog No. 102-60-38
 Latitude N 55° 20' 53" WR No. 142G
 Longitude W 132° 30' 13" K No. 167
 Geodetic Map No. Craig B-2 Work Area Ketchikan
 Location 2.5 mi. from Head Polk Inlet Watershed Length 6 miles.
 Drainage Area of Watershed 17.67 sq. miles.
 Water Supply Type Small lakes, runoff

Trails & Survey Routes Dropped off the inlet creek above 50 acre lake, easy walking along bed at low flows.

Aerial Survey Notes Water dark at high flows, vegetation to banks except in lower 20% where logging occurred.

Anchorage Larger vessels may anchor in Goose Bay, 3 mi. N.E. of the mouth in 10 fathoms.

Tide Stage When Surveyed Flooding, tide 1/2 in.

FISHERY RESOURCES

Commercial Fisheries Pink, chum, coho, sockeye.

Escapement 1973 - 3,500 pink and chum, 70 sockeye.

Available spawning area - 28,842 M²

Species Composition 15% pink, 85% chum, less than 1% sockeye.

Timing Late.

Schooling areas Off mouth; logs form pools 1/2 way to tributary #2.

Shellfish Potential Limited mudflats, no eel grass observed.

Sport Fisheries No records.

Land Use at Present A U.S.F.S. steep pass is located at Station #6.

History of Land Use Logging on lower 20% of stream.

Rehabilitation Potential Excellent gravel located above steep pass.

Soils Stable.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	50
	Number of droppings	1
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ---	Number seen on tide flats	10
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Bald Eagles--	Number seen along creek	2
	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	50'
	Eel grass present on what percent of flats	0

PEAK ESCAPEMENT RECORD

NAME: Dog Salmon Creek

STREAM CATALOG NUMBER: 102-60-38

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Oct. 11, 1930	500			Poor. Very few dead fish (G)
Sept. 27, 1940	20,000			Good. 3,000 fish at mouth (G)
Sept. 21, 1942	5,000	15,000		Good. 10,000 fish at mouth (G)
Sept. 27, 1948	275	2,120		Poor. (G)
Sept. 16, 1952				No fish present (G)
Sept. 17, 1953		6		Poor. Water too brown & deep (G)
Sept. 2, 1960		50		None at mouth (G)
Sept. 1, 1961		200		75 at mouth (A)
Sept. 13, 1962	400 ⁺			Well distributed (A)
Aug. 29, 1963	----1,100----			3,000 chum intertidally (A)
Oct. 5, 1964	----700----			Vis. poor (A)
Aug. 25, 1965	500		500 coho	1,000 ⁺ fish intertidally. Was 1,500-2,000 fish intertidally on Aug. 17, 1965 (A)
Sept. 13, 1966	600	1,100		Vis. good. Most spawning, carcasses (A)
Aug. 13, 1967	N.O.			Few chum jumps out in inlet (F)
Aug. 26, 1968	1,200	Few		Vis. poor (A)
Sept. 4, 1969	2,200	300		500 fish intertidally. 50 pinks seen above steep pass (F)
Sept. 9, 1970		800		2 jumps off mouth (A)
Aug. 27, 1971		6,000		Vis. good (A)
Sept. 26, 1972		10		No bird activity, carcasses etc., showing any sign of fish being present. (F)
Aug. 31, 1973	----3,500----			Vis. good (H)
Aug. 28, 1974		600		500 fish intertidally. Vis. good (A)

102-60-39
Polk Inlet
10-8-73

1 mi. above I.T.: stopped here

Good gravel here but stream is small: 4' wide.

All logged to stream.

Gravel is large here - 6-8". Gradient is steeper now. Harder walking with larger alder trees growing to the stream edge.

30% usable spawning area to this point from Station #3.

Split channel area.

Stream potential has decreased considerably, especially near the upper portion near Station #4.

All logged to Stream.

Stream has fairly flat gradient for its length. Banks stable. No soils problem.

1 live pink ♀ →

70% usable spawning area from Station #2 - this point. Gravel tends to get larger near the top of this station 4" - 6".

No fish or carcasses seen to this point.

80% usable spawning area to station #2. Good clean gravel 2" - 4". Large beaver dam - still somewhat active: no barrier.

Both sides of stream are logged with much alder growing along the stream edge. Some attempt to clear the stream of debris and logs appears to have been made. Tide in - couldn't see I.T. gravel potential.

Fair sized tributary.

Small cascade through large boulders - no barrier



Name _____ Catalog No. 102-60-39
 Latitude N 55° 21' 20" WR No. _____
 Longitude W 132° 31' 01" K No. 168
 Geodetic Map No. Craig B-2 Work Area Ketchikan
 Location Skowl Arm - Polk Inlet Watershed Length _____
 Drainage Area of Watershed _____
 Water Supply Type Precipitation - runoff and probably springs.

Trails & Survey Routes No trails - stream is open and easy walking.

Aerial Survey Notes Stream has been logged - is open and could be easily surveyed from the air.

Anchorage Goose Bay, Paul Bight, or Saltery Cove: Refer to the coast pilot.

Tide Stage When Surveyed 3/4 tide and flooding.

FISHERY RESOURCES

Commercial Fisheries Pink and chum

Escapement 3,000 pink and 3,000 chum on 9-20-42:

Available spawning area - 6,069 M²

Species Composition 50% pink and 50% chum although I believe the cycle has switched to more chum recently.

Timing Late

Schooling areas Off the mouth or pools just above the intertidal zone.

Shellfish Potential Very limited - probably to a few clams.

Sport Fisheries None

Land Use at Present None

History of Land Use This area was logged at one time - to the stream banks.

Rehabilitation Potential There are no log jams on the stream - gravel generally looks pretty clean - but it looks to have much better potential than the number of fish

Soils Logged to the stream banks - has a flat gradient [it is producing. and all in all the soils and stream banks look stable.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	a few
	Number of droppings	a few - 2 bear
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	-
	Eel grass present on what percent of flats	-

PEAK ESCAPEMENT RECORD

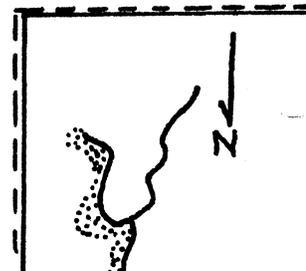
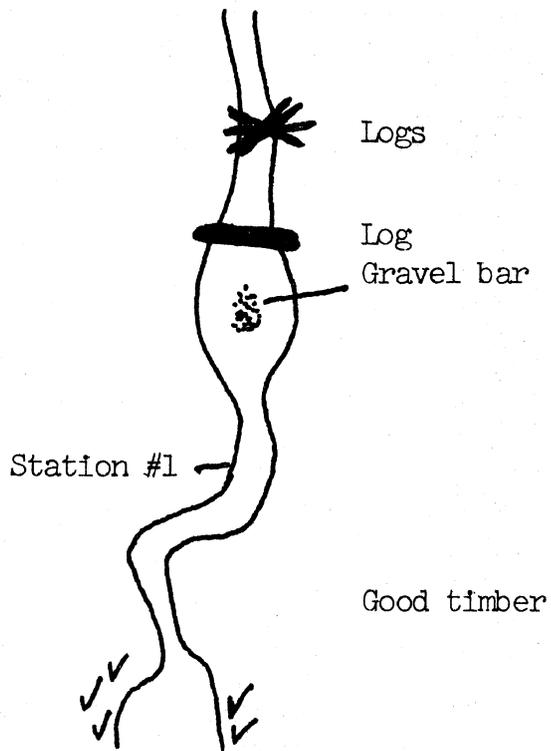
NAME: Polk Inlet, W. shore 3.5 miles from head

STREAM CATALOG NUMBER: 102-60-39

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Sept. 20, 1942	3,000	3,000		Fair (G)
Sept. 27, 1948	5	15		Poor. 30 at mouth (G)
Sept. 16, 1952				No fish present (G)
Sept. 17, 1953	3	36		Poor (G)
Aug. 26, 1968				150 fish intertidally. Vis. Fair (A)

102-60-40
10-13-73
Westlund

Stream flows through cut area that is back from the beach. One small grass flat on each side of stream. No fish observed. 10 carcasses. Good timber still to the right of stream. Flows level through cut area, and then starts to climb. Several partial blocks in cut area.



Name _____ Catalog No. 102-60-40
 Latitude 55° 21' 53" WR No. none
 Longitude 132° 31' 20" K No. none
 Geodetic Map No. Craig - B-2 Work Area _____
 Location Skowl Arm - Polk Inlet Watershed Length _____
 Drainage Area of Watershed _____
 Water Supply Type Lake and precip.

Trails & Survey Routes None - should be walked in stream bed.

Aerial Survey Notes Mountains rise steeply close to stream making aerial survey difficult.

Anchorage Good anchorage in head of inlet

Tide Stage When Surveyed High - flooding

FISHERY RESOURCES

Commercial Fisheries Chum, pink.

Escapement Not known.

Available spawning area - 520 M²

Species Composition Not known.

Timing Late

Schooling areas In Bay off stream mouth.

Shellfish Potential None - no I.T. area.

Sport Fisheries None

Land Use at Present None

History of Land Use Area to left of stream has been logged about 10 years ago.

Rehabilitation Potential Lots of slash and blowdown in stream, stream is not of major importance.

Soils Probably unstable due to logging.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	10
	Number of droppings	1
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	2
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	1
Tide flats -	Estimate length along beach	75 yd
	Estimate depth out from beach	20 yd
	Eel grass present on what percent of flats	0

PEAK ESCAPEMENT RECORD

NAME: Polk Inlet

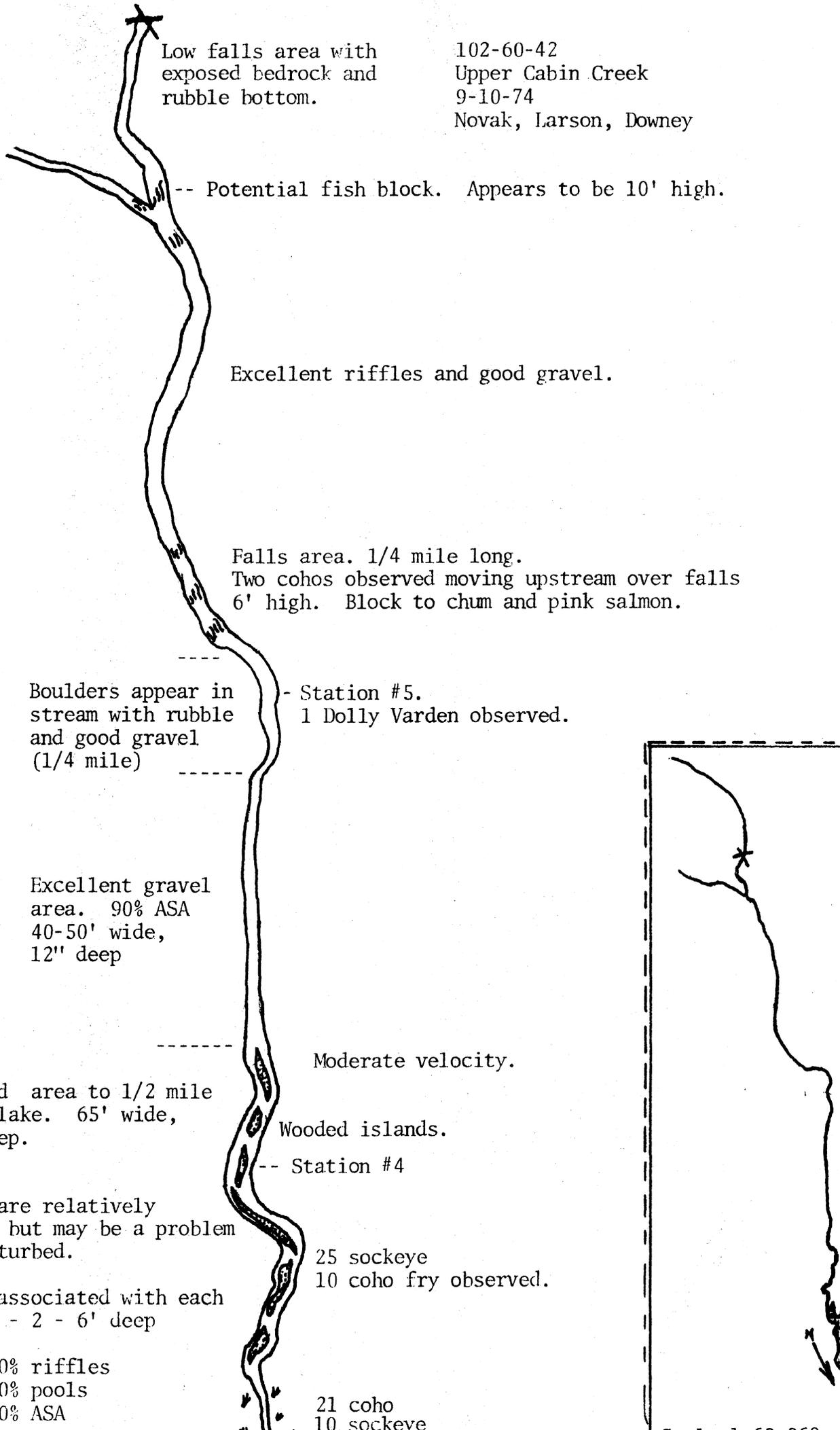
STREAM CATALOG NUMBER: 102-60-40

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Aug. 30, 1964		9		Vis. good (F)
Aug. 25, 1965	N.O.			(A)
Sept. 13, 1966		20		100 fish intertidally. Vis. good (A)
Sept. 13, 1973	32			Carcasses present. Vis. good (F)
Aug. 28, 1974	300			6,000 fish in bay. Vis. good (A)

N 55° 25' 19"
W 132° 28' 36"

Low falls area with
exposed bedrock and
rubble bottom.

102-60-42
Upper Cabin Creek
9-10-74
Novak, Larson, Downey



-- Potential fish block. Appears to be 10' high.

Excellent riffles and good gravel.

Falls area. 1/4 mile long.
Two cohos observed moving upstream over falls
6' high. Block to chum and pink salmon.

Boulders appear in
stream with rubble
and good gravel
(1/4 mile)

- Station #5.
1 Dolly Varden observed.

Excellent gravel
area. 90% ASA
40-50' wide,
12" deep

Moderate velocity.

Braided area to 1/2 mile
above lake. 65' wide,
10" deep.

Wooded islands.

-- Station #4

Soils are relatively
stable but may be a problem
if disturbed.

25 sockeye
10 coho fry observed.

Pools associated with each
island - 2 - 6' deep

50% riffles
50% pools
80% ASA

21 coho
10 sockeye

1 mile

Lake

Cabin Creek to Lake
102-60-42
Polk Inlet
Downey - Smith
10-9-73

The stream becomes swifter and narrower from Station #2 to the lake. Much bedrock and large boulders. 5% usable spawning area from Station #2 to lake. Very difficult walking.

Hard walking the length of the stream - went through the woods on the way out.

Two recent deer kills along the stream

Poor potential except possible access to inlet stream in upper lake.

Small tributary

Couple of large, deep, dark pools.

Gravel a little better here.

② ← 30% usable spawning area to this point from Station #1.

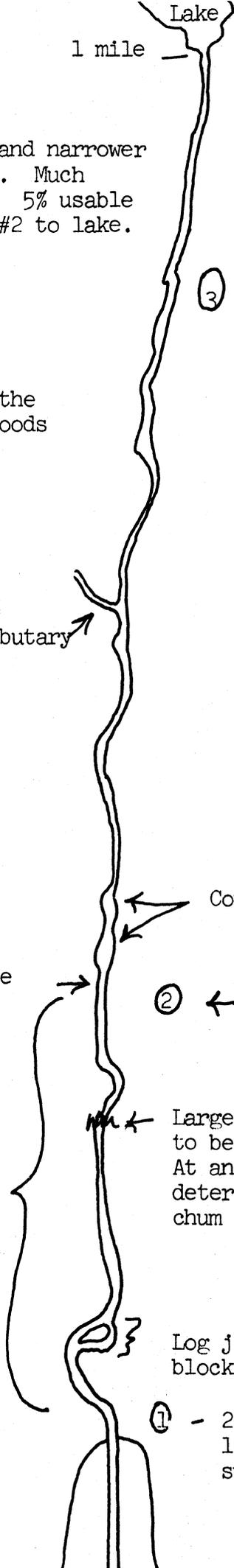
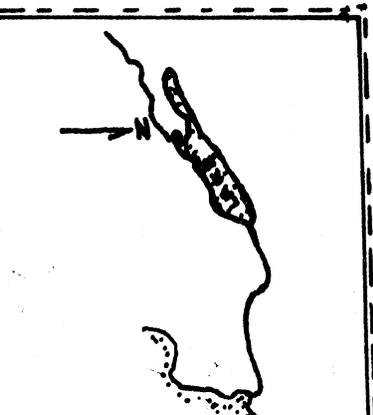
Large cascade (20') and falls: very close to being a total barrier but possibly not. At any rate, I would consider this a major deterrent to migrating fish. Saw 800 live chum to this point on recent survey.

Traces of bedrock throughout: slippery and hard walking.

Log jam and split channel area: cascades, no block.

① - 20% usable spawning area to this point 100 yards of I.T. area is somewhat swift and rocky with some bedrock.

10 live chum.



Name Cabin Creek Catalog No. 102-60-42
 Latitude N 55° 25' 19" WR No. _____
 Longitude W 132° 28' 40" K No. 169
 Geodetic Map No. Craig B-2 Work Area Ketchikan
 Location Skowl Arm - Polk Inlet Watershed Length _____
 Drainage Area of Watershed _____
 Water Supply Type Lake system.

Trails & Survey Routes Some game trails along the stream. Follow these as walking in the stream is very difficult.

Aerial Survey Notes Easily flown but dark water would make surveys here impracticable.

Anchorage Goose Bay, Paul Bight, or Saltery Cove.

Tide Stage When Surveyed 1/3 tide and flooding.

FISHERY RESOURCES

Commercial Fisheries pink and chum

Escapement 50,000 pink on 10-3-41; 5,000 pink on 9-2-56; 1,000 pink on 7-27-71;

Available spawning area (below lake) - 1,839 M²; available spawning area (above lake)

Species Composition 95% pink and 5% chum 16,922 M²

Timing Late

Schooling areas Mostly off the mouth.

Shellfish Potential Very limited - not much flats and rocky intertidal area.

Sport Fisheries Unknown

Land Use at Present None

History of Land Use Not sure - some of this area I believe was once logged.

Rehabilitation Potential None - not much potential over 300 yds. above the intertidal zone, as remainder contains bedrock, large boulders, and swift flows.

Soils Generally stable to the lake, fairly flat gradient for it's length.

GAME RESOURCES

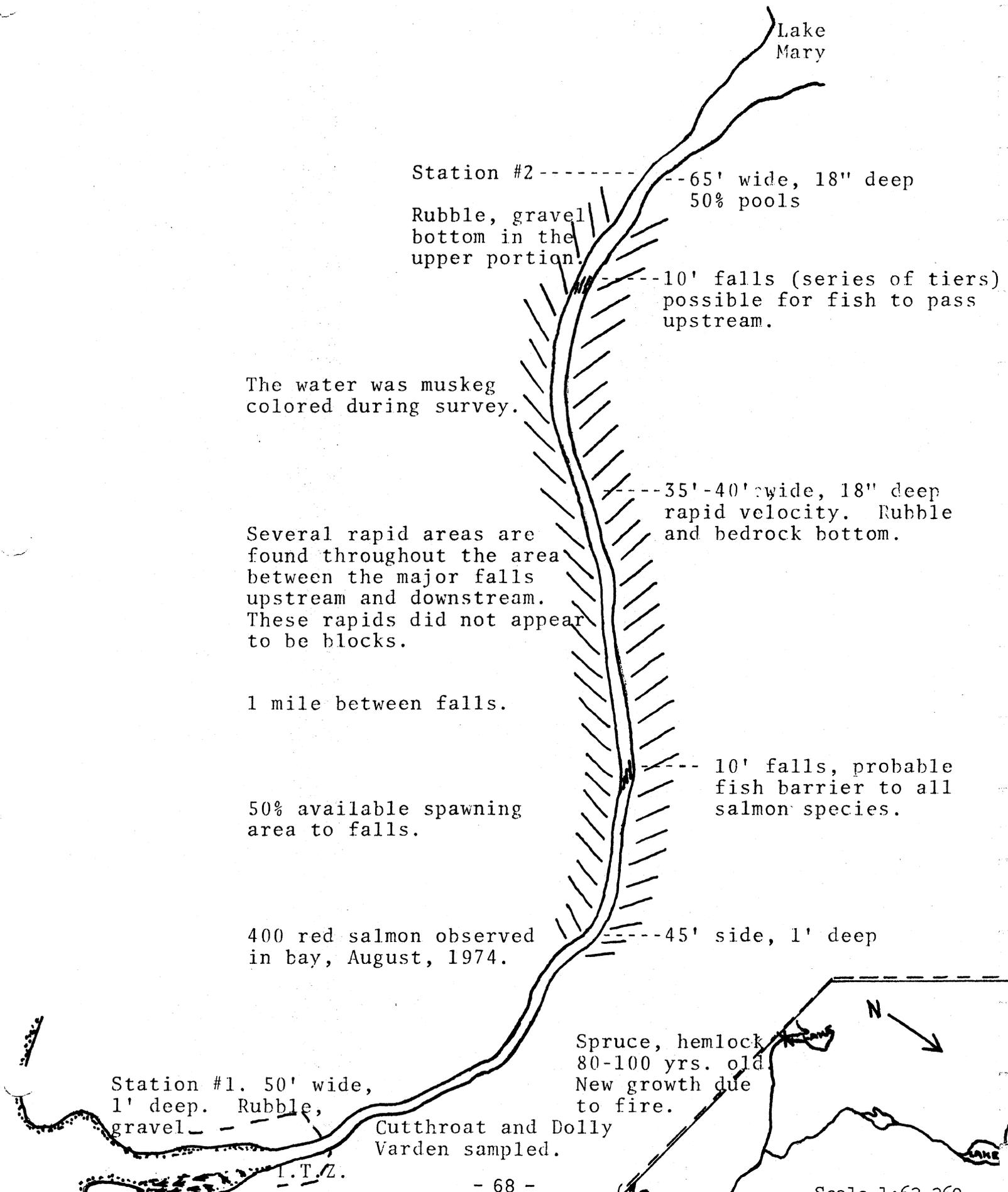
Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	a few
	Number of droppings	a few
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ---	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number 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	1
Tide flats -	Estimate length along beach	very little
	Estimate depth out from beach	-
	Eel grass present on what percent of flats	-

PEAK ESCAPEMENT RECORD

NAME: Cabin Creek

STREAM CATALOG NUMBER: 102-60-42

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Oct. 11, 1930	5,000			Good. Fair showing of dead fish (G)
Sept. 27, 1940	8,000			Good. 2,000 fish off mouth (G)
Oct. 2, 1941	50,000			Excellent (G)
Sept. 20, 1942	2,000	3,000		Good. 8,000 fish at mouth (G)
Oct. 3, 1946	20,000			Overpopulated (G)
Oct. 4, 1947	7,000			Good (G)
Sept. 28, 1948	1,150	4,350		Good (G)
Sept. 16, 1952				No fish in stream. 1 chum at mouth
Oct. 4, 1955	1,500	350		(G)
Sept. 2, 1956	5,000			5,000 pink at mouth
Sept. 2, 1959	3,500	0		(A)
Sept. 2, 1960				None at mouth (G)
Sept. 15, 1961		200		All old fish (A)
Sept. 13, 1962	N.O.			(A)
Oct. 5, 1964	-----300-----			Vis. Fair, few dead (A)
Aug. 10, 1965	N.O.			Good showing of coho (F)
Sept. 13, 1966	Few	1,100		Vis. good (A)
Aug. 28, 1969	700			(F)
Sept. 9, 1970		500		100 chum intertidally. Vis. poor (A)
Aug. 9, 1971				500-1,000 fish intertidally. Skiff survey.
Sept. 13, 1973	200	750		200 carcasses (F)
Aug. 28, 1974				2,000 fish at mouth and intertidally Vis. good (A)

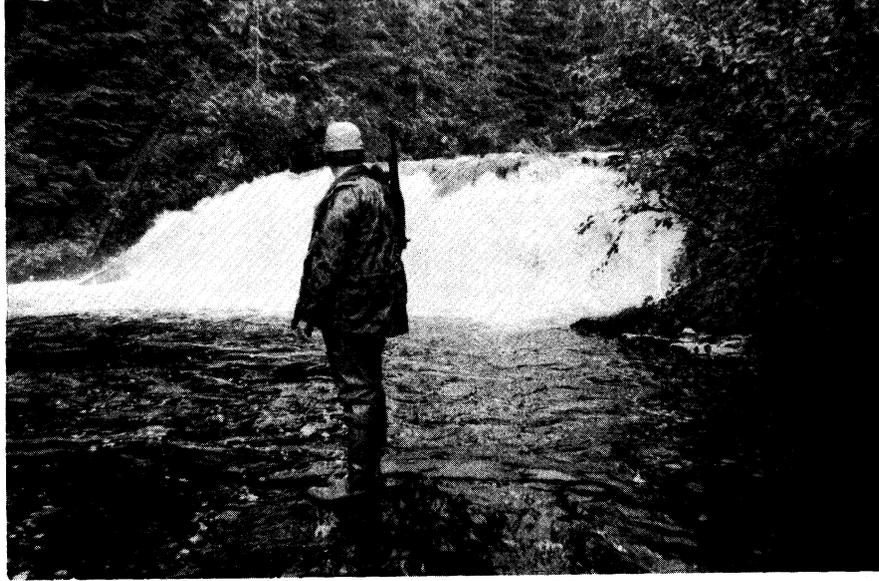




Old Franks Creek
Lower falls



Old Franks Creek
Middle falls



Old Franks Creek
Upper falls



Old Franks
Mary Lake

Name Old Franks Creek Catalog No. 102-60-44
 Latitude 55° 25' 27" WR No. 142D
 Longitude 132° 28' 06" K No. 170
 Geodetic Map No. Craig B-2 Work Area Ketchikan
 Location Pr. of Wales Island Watershed Length 10.5 miles
 Drainage Area of Watershed 34 square miles
 Water Supply Type Four lakes, ground water, runoff. Shallow lakes are characteristic of this system.

Trails & Survey Routes A trail is reported on the right side of the stream going upstream, but location not verified during survey.
 Aerial Survey Notes Limited visibility due to water coloration and overgrowth of V-notched canyons.
 Anchorage Skiff should be used on approach. Anchorage for large vessel in Little Goose Bay. Enter Polk Inlet with caution.
 Tide Stage When Surveyed first half of ebb.

FISHERY RESOURCES

Commercial Fisheries Pink and chum salmon

Escapement 1948 - 5,000 pink and 10,000 chum.

Available spawning area - 9,030 M²

Species Composition chum 80%, pink 10%, coho 5%, others 5%.

Timing Late - September and October.

Schooling areas Red salmon observed off mouth in area of dropoff.

Shellfish Potential Clams abundant in bay during low tide.

Sport Fisheries Cutthroat fishing is excellent in the upper watershed Dolly Varden and cutthroat fishing in lower stream.

Land Use at Present None

History of Land Use Extensive burnover about 100 years ago. Regrowth of predominately spruce, hemlock, alder.

Rehabilitation Potential Laddering of lower falls may provide access of upstream areas to coho and red salmon.

Soils Relatively stable but prone to heavy erosion problems.

GAME RESOURCES

Bear	-----	Fish carcasses or bones (old or fresh) on banks, estimate	10
		Number of droppings	4
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	1
Bald Eagles	-	Number seen along creek	1
		Number of nests seen and location	0
Seals	-----	Number seen at mouth of stream	0
Tide flats	-	Estimate length along beach	250 yds.
		Estimate depth out from beach	10
		Eel grass present on what percent of flats	10

PEAK ESCAPEMENT RECORD

NAME: Old Franks Creek

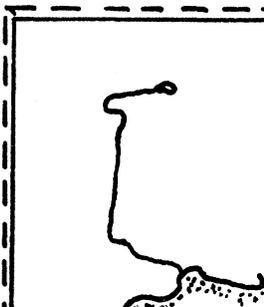
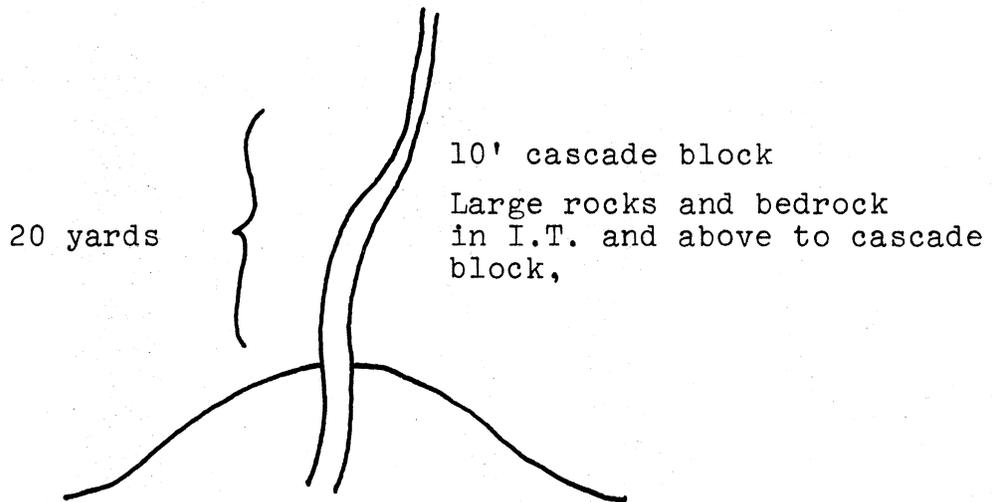
STREAM CATALOG NUMBER: 102-60-44

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Oct. 11, 1930	20,000			Well seeded. Few chum (G)
Oct. 2, 1941	20,000			Fair(G)
Oct. 3, 1946	4,000	1,000		(G)
Sept. 6, 1962				None observed (A)
Aug. 22, 1963				100 fish at mouth. Stream very low. Nothing present intertidally. (A)
Aug. 29, 1964	11	23		All in lower stream vis. poor (F)
Sept. 13, 1966	N.O.			Vis. poor (A)
Sept. 18, 1968	8,000	3,000		Vis. fair to good. Large % fresh fish (A)
Sept. 13, 1970		480		450-500 fish intertidally. Vis. good (F)
Aug. 9, 1971				100 fish intertidally (A)
Aug. 28, 1974				Jumps. Vis. poor (A)

Polk Inlet
102-60-46
10-7-73

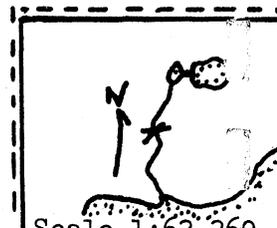
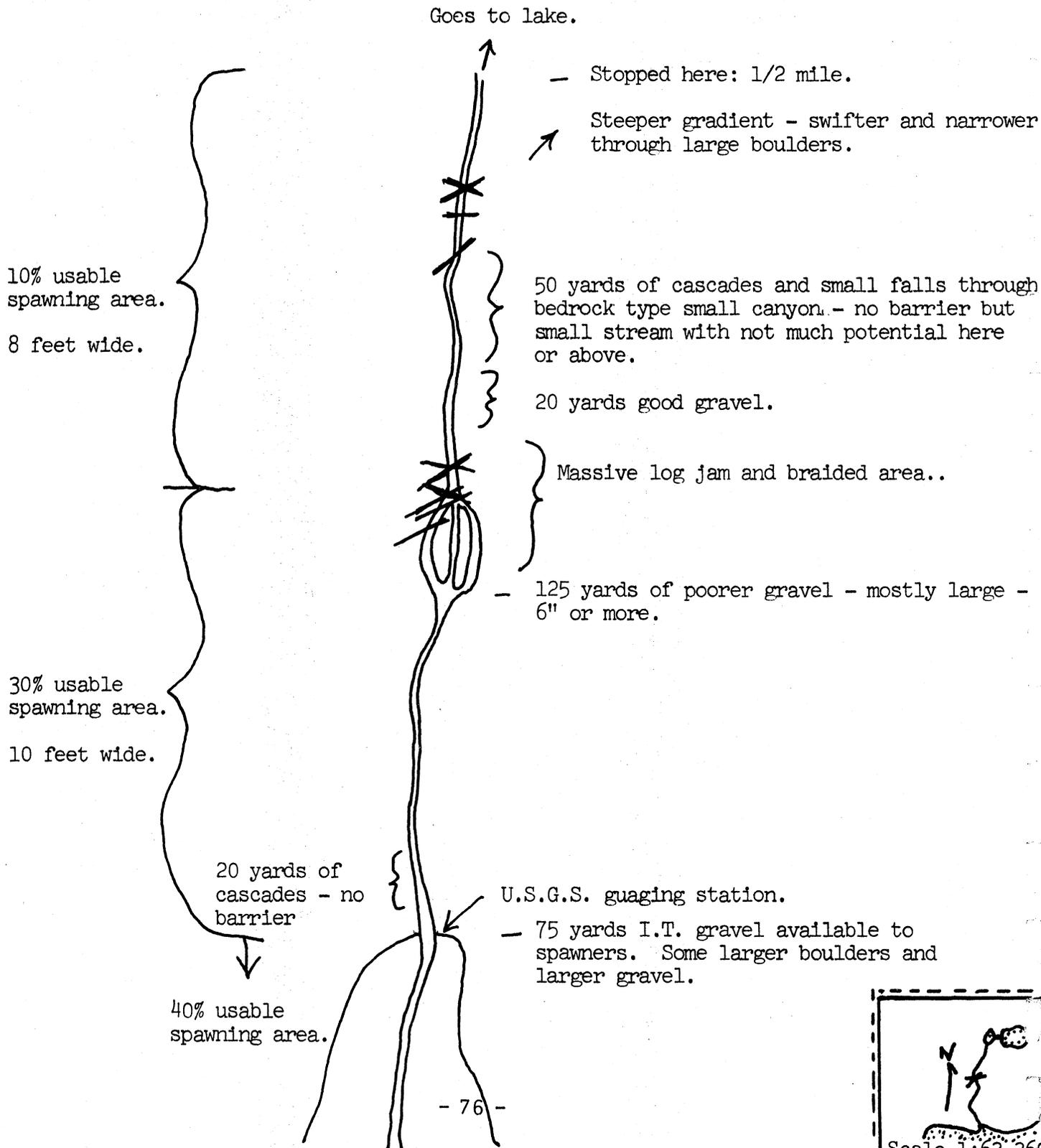
Small poor stream running through large rocks and bedrock to 10' cascade barrier 20 yards above tide line.

Very little if any spawning potential.



Virginia Creek
102-60-48
Downey - Smith
10-7-73

No evidence of any fish here. Probably poor potential due to small stream size, gravel quality and gradient.



Name Virginia Creek Catalog No. 102-60-48
 Latitude N 55° 25' 52" WR No. _____
 Longitude W 132° 25' 58" K No. _____
 Geodetic Map No. Craig B-2 Work Area Ketchikan
 Location Skowl Arm Watershed Length _____
 Drainage Area of Watershed _____
 Water Supply Type Lake system

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

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

Anchorage Goose Bay, Paul Bight, or Saltery Cove.

Tide Stage When Surveyed 1/3 tide and ebbing.

FISHERY RESOURCES

Commercial Fisheries Unknown

Escapement Unknown

Available spawning area - 1,472 M²

Species Composition Unknown

Timing Unknown

Schooling areas Would be off the mouth and pool near the upper intertidal line.

Shellfish Potential Little if any - not much flats and is rocky.

Sport Fisheries None

Land Use at Present None

History of Land Use None

Rehabilitation Potential none - small stream with not much fishery potential above the intertidal zone.

Soils Stable with no evidence of any slumpage or potential slumpage for the 1/4 mile of stream walked.

GAME RESOURCES

Bear -----	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
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	very little
	Estimate depth out from beach	-
	Eel grass present on what percent of flats	-

PEAK ESCAPEMENT RECORD

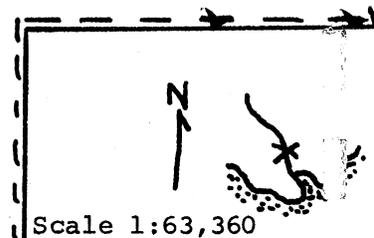
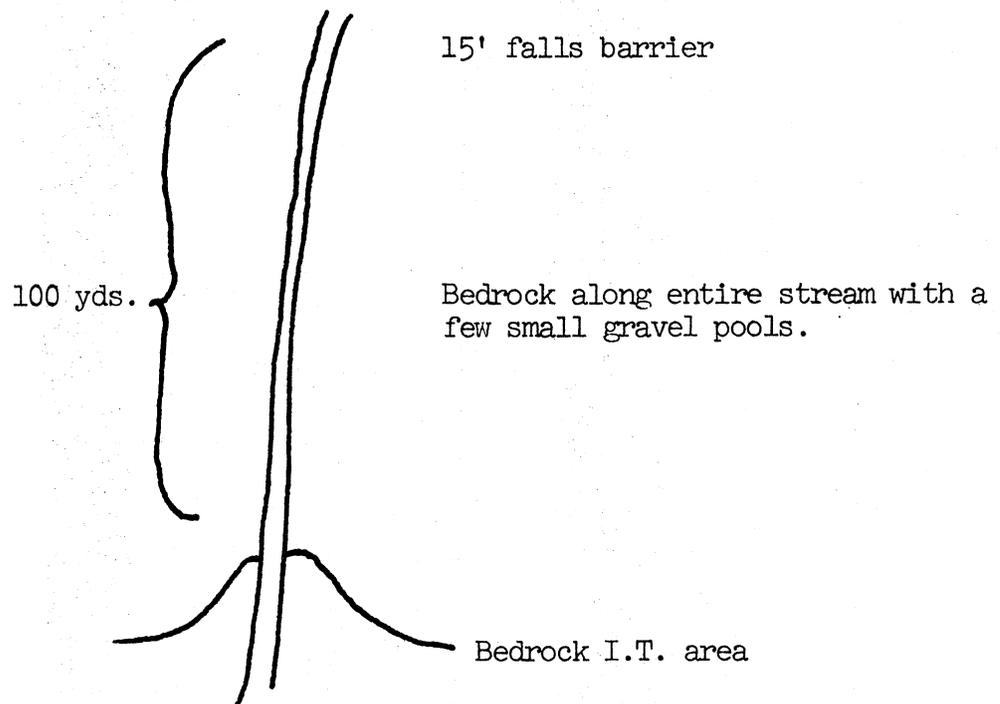
NAME: Skowl Arm, N. shore 0.7 mile W. of Old Kasaan National Monument

STREAM CATALOG NUMBER: 102-60-48

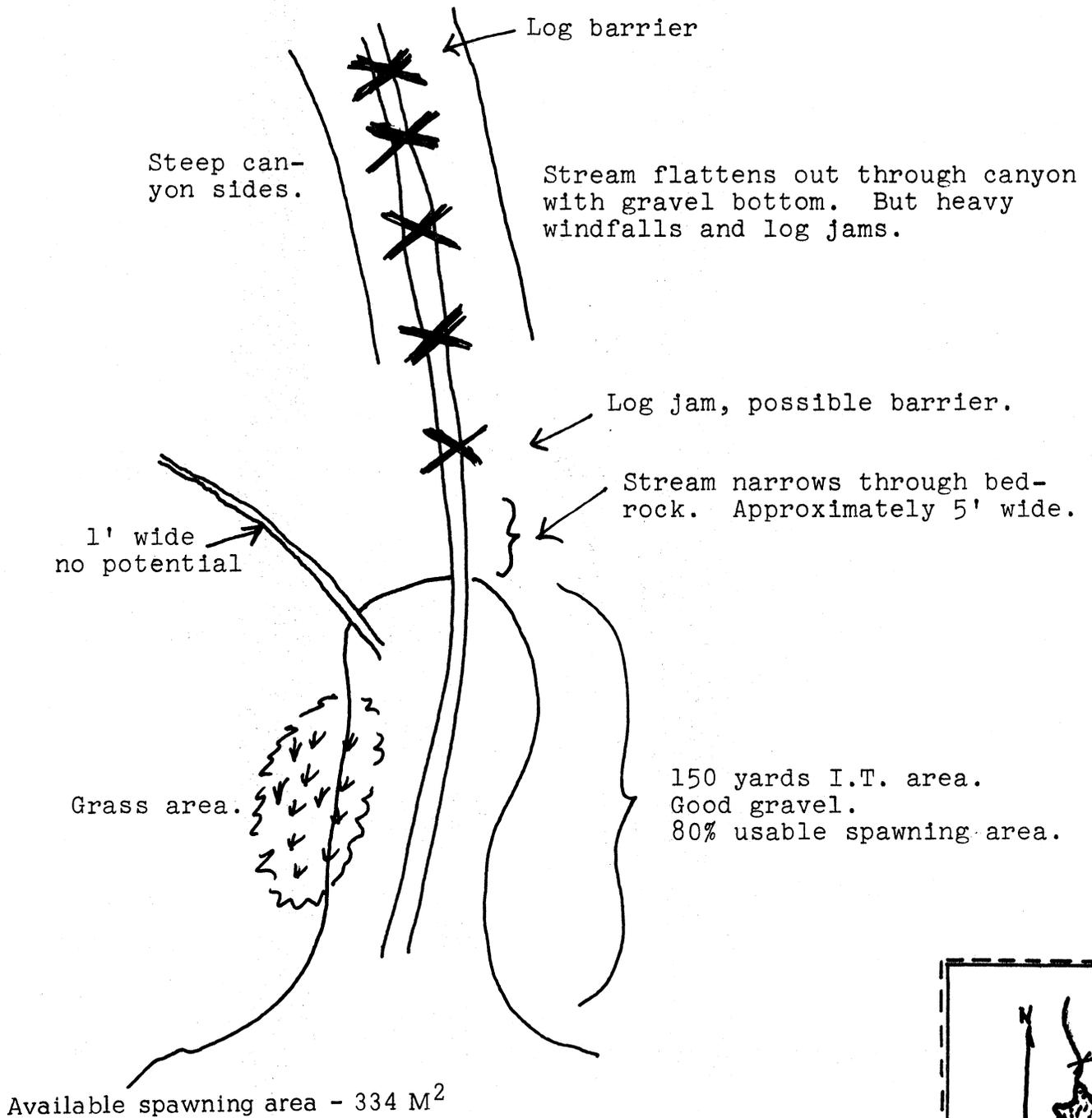
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Sept. 26, 1948	55	5.		Poor. 35 fish at mouth (G)
Sept. 30, 1953	22			Poor. to fair. 2 chum at mouth(G)

102-60-53
Skowl Arm
10-6-73
Downey, Smith

Very small stream 2-3' wide, flowing through bedrock
15' falls barrier 100 yards above I.T. Very poor potential.
Available spawning area - 3 M²



Monument Creek #219
102-60-56
Scowl Arm
10-7-73



102-60-57

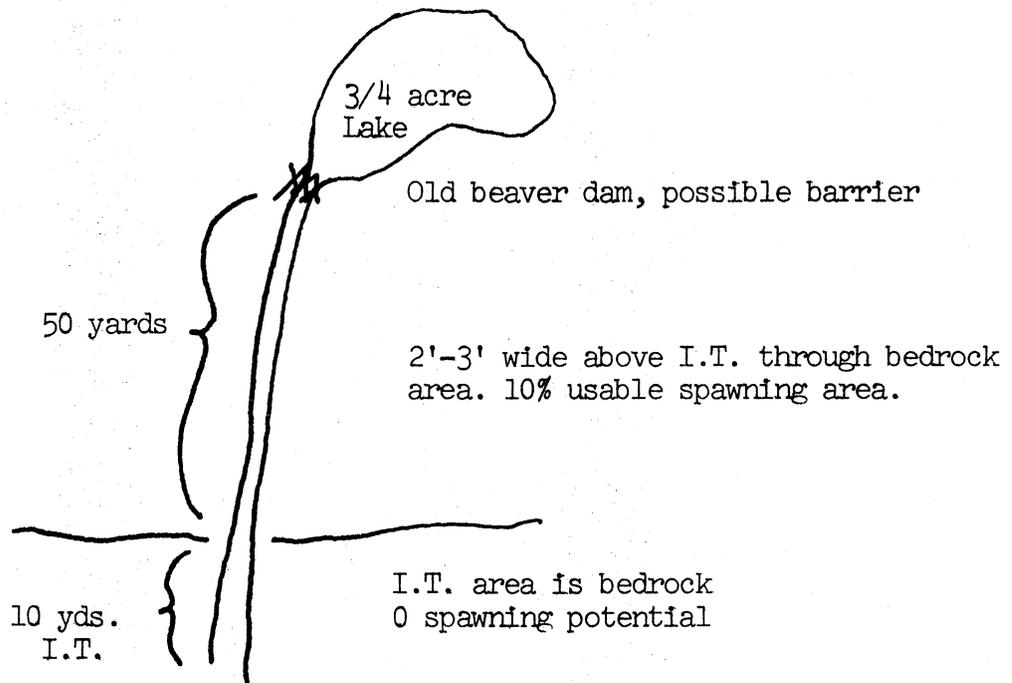
#221

Head Smith Lagoon - Skowl Arm

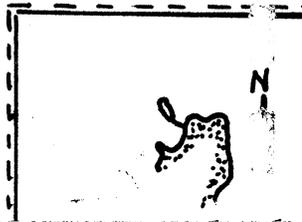
10-6-73

N 55° 27' 28"
W 132° 21' 16"

Small stream - flows through bedrock at I.T. zone. 2-3' wide. 50 yards to 3/4 acre lake. Very limited spawning potential.



Available spawning area - 5 M²



Notch Creek
102-60-57 A
Novak and Downey
5-17-74

Small stream with very little salmon producing potential.

Could support a few (one dozen) salmon in the intertidal zone.

Steepens and narrows just above intertidal and becomes brushy - no potential above the upper intertidal zone.

Six feet wide, 2" deep, normal flow.

102-60-58
Hundred Thousand Creek
Novak - Downey
5-17-74

Brushy windfall above surveyed area.

15' W
8-10" D

Survey ended approximately 1/4 mile above ITZ

Area above V-notch is 75% pools

V-notched with sluffing soils

Steep grade rubble

HEMLOCK

HEMLOCK

Log jam but not a fish barrier

Good spawning area.
Gravel & rubble

60% ASA
15' Width
8" Depth
450' Length

The lower area to the V-notch is 25% pools with pool depths of 1 - 2'.

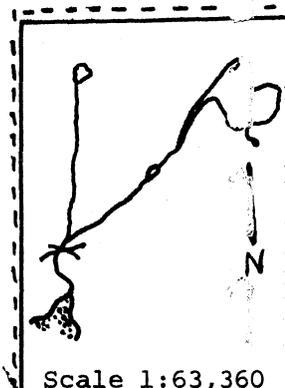
The area below the V-notch has good potential for pink and chum. Excellent coho rearing pools throughout surveyed area.

#1

ITZ

CLEARCUT AREA

Good gravel in upper ITZ which may provide spawning area for pink salmon - 300'



Name Hundred Thousand Creek Catalog No. 102-60-58
 Latitude N 55° 28' 23" WR No. -
 Longitude W 132° 23' 42" K No. -
 Geodetic Map No. Craig - B-2 Work Area Ketchikan
 Location Kasaan Bay Watershed Length 1.75
 Drainage Area of Watershed _____
 Water Supply Type Lake system with springs and runoff providing water source.
 Trails & Survey Routes A small stream that is easiest to survey by walking the stream bed.
 Aerial Survey Notes High density of trees along banks of creek make aerial survey impractical.
 Anchorage Skiff may be anchored off mouth of stream.
 Tide Stage When Surveyed 1st half of flood

FISHERY RESOURCES

Commercial Fisheries Pink - chum - coho
 Escapement No historic data available.
Available spawning area - 1,354 M²
 Species Composition (estimate) pink - 90%, chum - 5%, coho - 5%
 Timing middle
 Schooling areas Off mouth of stream near shelf of the bay as seen by John Valentine
 Shellfish Potential Clam potential on intertidal flats.
 Sport Fisheries Coho, cutthroat, and Dolly Varden
 Land Use at Present None
 History of Land Use Clearcut area on the east side was probably A-framed in about 1950-60.
 Rehabilitation Potential None necessary as the present windfall provides coho rearing pools.
 Soils Fairly stable except for the upper area where the gradient increases and a V-notched area occurs on the creek.

GAME RESOURCES

Bear -----	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
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	300'
	Estimate depth out from beach	12'
	Eel grass present on what percent of flats	2%

Kasaan Bay
Just west of Kasaan Island
102-60-60
Novak and Downey
5-17-74

Generally pretty good gravel,
2"-4" size. Fairly good little
stream with total of 90% spawn-
ing gravel - probably suited
more to coho or chum salmon.

No rehabilitation potential.

Stopped here, approximately 300
yards above intertidal, narrows & steeper
gradient but could be utilized by fish
yet.

Some windfall in the stream but no
barriers or excessive amounts.

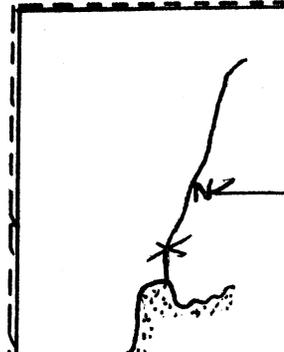
Small cascade and bedrock
area, no block.

steep bank, slumpage

Brushy windfall area, no barrier.

40 yds. to top of I.T.

9'W
3-4"D



Name _____ Catalog No. 102-60-60
 Latitude N 55° 29' 38" WR No. _____
 Longitude W 132° 24' 32" K No. _____
 Geodetic Map No. Craig B-2 Work Area Ketchikan
 Location Kasaan Bay, west of Kasaan Isl Watershed Length _____
 Drainage Area of Watershed _____
 Water Supply Type Drainage and runoff

Trails & Survey Routes Walk in stream

Aerial Survey Notes Not feasible.

Anchorage Karta Bay or tie to float in Hollis

Tide Stage When Surveyed Low

FISHERY RESOURCES

Commercial Fisheries No data

Escapement _____ (notes indicate the stream

probably suited more to coho or chum salmon) Available spawning area - 171 M²

Species Composition No data

Timing No data

Schooling areas No data

Shellfish Potential None - rocky

Sport Fisheries No data

Land Use at Present None

History of Land Use None

Rehabilitation Potential None

Soils Slumpage area just above I.T.Z.

GAME RESOURCES

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

Kasaan Bay
102-60-64
Downey
5-17-74

Fish probably won't go much above forks except for a pair or two of coho, however, they could go to point walked.

Timber generally poor and stunted along stream.

50% spawning fair gravel and bedrock in this 250 yards.

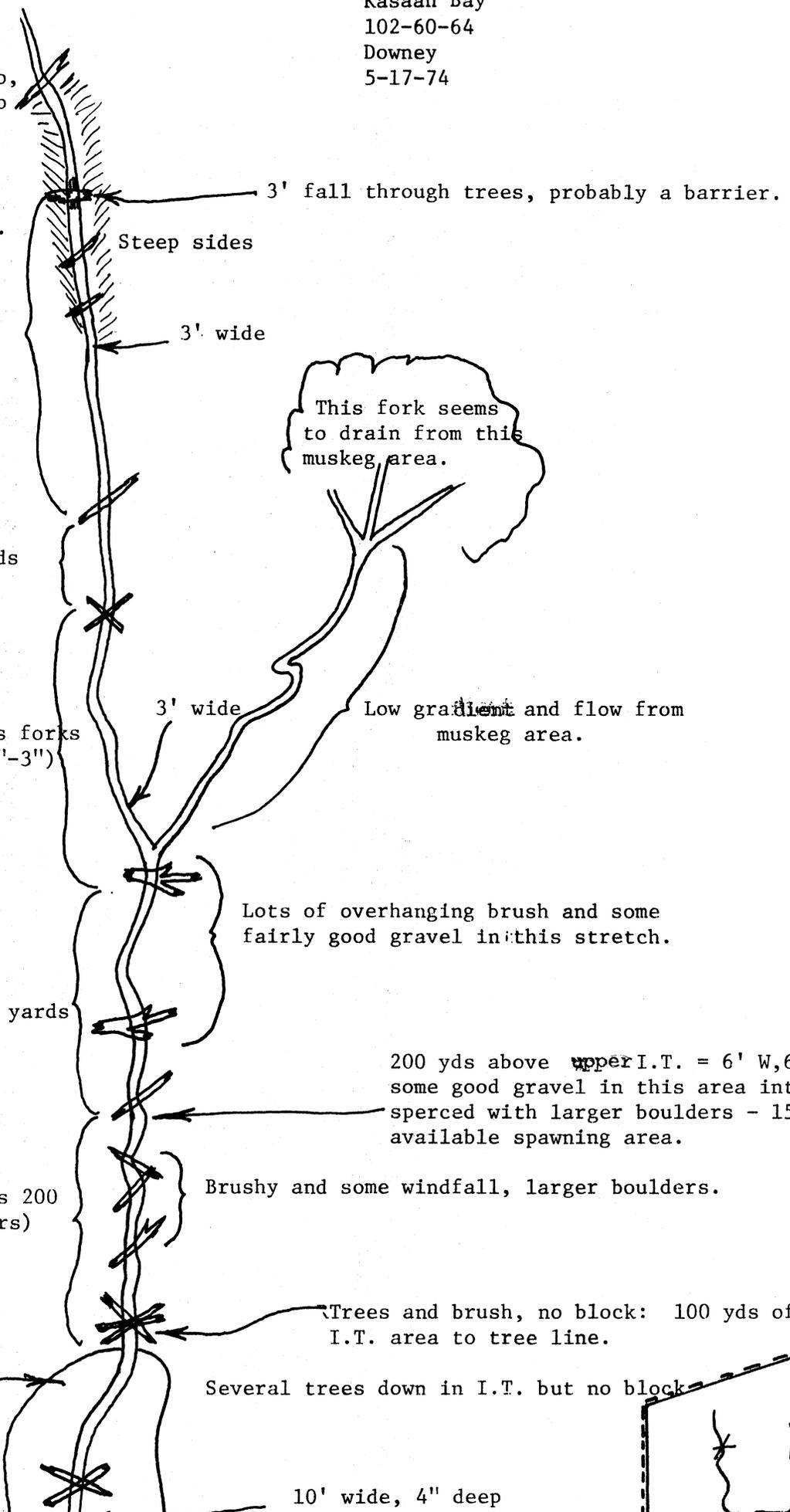
0% in this 40 yards

95% spawning area in this forks 150 yards (good gravel 1"-3")

50% spawning in this 200 yards

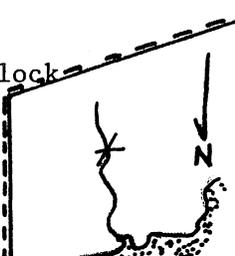
15% spawning area in this 200 yards (gravel and boulders)

Very good I.T. gravel 2"-4" and 90% usable spawning area here: 10' wide and 4" deep



Several trees down in I.T. but no block

10' wide, 4" deep



Name _____ Catalog No. 102-60-64
 Latitude N 55° 30' 33" WR No. _____
 Longitude W 132° 27' 05" K No. _____
 Geodetic Map No. Craig C-2 Work Area Ketchikan
 Location Kasaan Bay Watershed Length _____
 Drainage Area of Watershed _____
 Water Supply Type Runoff and muskeg

Trails & Survey Routes Stream bed.

Aerial Survey Notes Not feasible, too small

Anchorage Anchorage in Coal Bay except in northerly weather.

Tide Stage When Surveyed Low

FISHERY RESOURCES

Commercial Fisheries No data

Escapement Available spawning area - 652 M²

Species Composition No data

Timing No data

Schooling areas No data

Shellfish Potential None

Sport Fisheries No data

Land Use at Present None

History of Land Use None

Rehabilitation Potential None

Soils Stable to point walked - some slumping high on left fork.

GAME RESOURCES

Bear -----	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
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	-
	Estimate depth out from beach	-
	Eel grass present on what percent of flats	0

Sluffing soils

LARGE
SPRUCE

Little Coal Bay
102-60-65
Novak 5-17-74

Potential fish block
400 yds above ITZ

A good creek for all species.
Chum or coho may make it through
the log jam at the end of survey
for more available spawning area.

Sedimentation collected along the banks

60% available spawning area

25% pools

Moderate velocity

Rubble with gravel, some silt
15' wide, 6"-8" deep

ITZ

Good potential ITZ
spawning area

HEMLOCK - SPRUCE

3' depth
at low tide

Treeline

Gravel

Grassflats

No eelgrass

91

Scale
1:63,340



Name Little Coal Bay CADDIS, NO. 102-00-03
 Latitude N 55° 30' 10" WR No.
 Longitude W 132° 28' 8" K No.
 Geodetic Map No. Craig - C-2 & B-2 Work Area Ketchikan
 Location Kasaan Bay Watershed Length 1.5 mile
 Drainage Area of Watershed 1.75 miles square
 Water Supply Type Springs and runoff has Ives Lake located 1/2 mile upstream that drains into the stream.
 Trails & Survey Routes Easy walking up the stream bed or along the banks.
 Aerial Survey Notes Impossible to see from the air, due to the heavy overgrowth or canopy from spruce and hemlock.
 Anchorage Small skiff should be used to survey as the flats are quite long - anchorage on west side by cannery equipment.
 Tide Stage When Surveyed 2nd half of ebb.

FISHERY RESOURCES

Commercial Fisheries Excellent coho rearing with probable pink and chum usage for spawning.

Escapement Unknown, but Valentine has surveyed and seen commercial species in the stream. Available spawning area - 1,003 M2

Species Composition Unknown - pink 80%, coho 15%, chum 5%

Timing Middle

Schooling areas Probably in area off mouth of bay where depths increase off tidal flats.

Shellfish Potential Clam production rated as good with limited potential for dungeness crab.

Sport Fisheries Cutthroat, Dolly Varden and coho

Land Use at Present None

History of Land Use Used as cannery storage area for scowls and other equipment when Kasaan was in operation.

Rehabilitation Potential Barrier removal in upper area of surveyed section. Soils stabilization in the same area.

Soils Unstable in the barrier area only.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	1
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	400 yds.
	Estimate depth out from beach	8-10'
	Eel grass present on what percent of flats	0

PEAK ESCAPEMENT RECORD

NAME: Ives Creek

STREAM CATALOG NUMBER: 102-60-65

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Sept. 25, 1948	1,400			Fair, 500 fish off mouth (G)

Water backed up by dam forming 150x150' pool

Coal Bay - Head Stream
102-60-66
Downey
5-17-74

15% spawning in this 300 yard grassy area (similar to lake outlets)

Active beaver dam (could be deterrent to fish)
1' wide tributary

Small tributaries

Pool

Grassy, open area begins

Pools separated by areas of good gravel

14' wide

Short stretch of pool area with slow, deep water about 100'

60% spawning in 400 yards of stream characterized by large (3"-6") gravel in the lower area but getting smaller (1"-2") in upper area.

- Unidentified fry throughout the stream
- Stream gradient slight
- Stream generally looks good and should have good escapement

No block, but down trees cause pool area

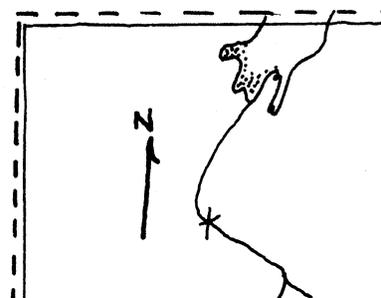
Traces of bedrock

Some unidentified fry that might have been coho.

14' wide

20' wide

10% spawning in this 100 yards of intertidal (mostly barnacle encrusted in lower portion)



Name Coal Bay Head Catalog No. 102-60-66
 Latitude N 55° 29' 55" WR No. _____
 Longitude W 132° 30' K No. K173
 Geodetic Map No. Craig B-2 Work Area Ketchikan
 Location _____ Watershed Length _____
 Drainage Area of Watershed _____
 Water Supply Type Muskeg and runoff

Trails & Survey Routes Easy walking in stream

Aerial Survey Notes Too small and too much overstory

Anchorage Good 15 fathom anchorage except in northerly weather

Tide Stage When Surveyed Low

FISHERY RESOURCES

Commercial Fisheries No survey records since 1957. Fish and Wildlife reported 5000 pinks in 1940, a stream guard season total of 4,000 pink and 500 chum in 1956.
 Escapement Available spawning area - 780 M²

Species Composition Data too incomplete to compute

Timing Data too incomplete
 Schooling areas _____

Shellfish Potential None

Sport Fisheries Limited if any

Land Use at Present Hippie commune

History of Land Use None

Rehabilitation Potential There could be fisheries potential above a beaver dam 1/2 mile above ITZ, but it is unsurveyed.

Soils _____

GAME RESOURCES

• Bear -----	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
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	30 yards
	Estimate depth out from beach	100 yards
	Eel grass present on what percent of flats	

PEAK ESCAPEMENT RECORD

NAME: Coal Bay, Head

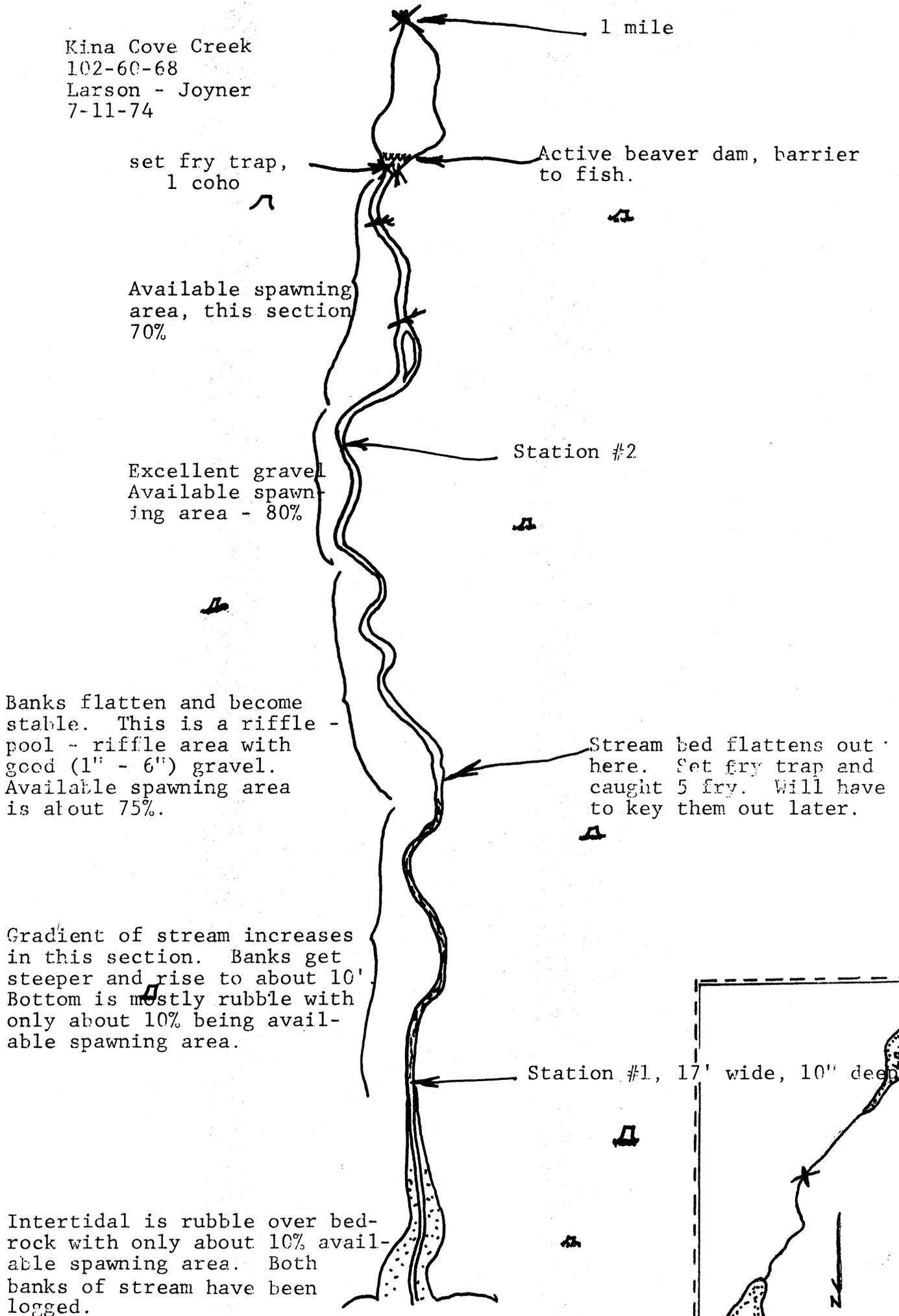
STREAM CATALOG NUMBER: 102-60-66

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Sept. 25, 1940	5,000			Good. 2,000 fish at mouth (G)
Sept. 25, 1948				No fish seen (G)
Sept. 30, 1953				No other species (G)
Season, 1956	4,000		500 coho	Season total by streamguard
Season, 1957	4,000		500 coho	Good.
Sept. 13, 1962	N.O.			Vis. poor (A)
Aug. 9, 1963	N.O.			Stream water muskeg and small. Average width 8 feet. Broken rock rock and boulders. (F)

Coal Bay
Novak - Downey
5-17-74

Two streams are shown on the navigational charts to lie on the southeast side of the bay. However, during field observations these proved to be intermittent in nature. No fishery potential. A clearcut is located between these two small unproductive streams.

Kina Cove Creek
102-60-68
Larson - Joyner
7-11-74



set fry trap,
1 coho

Active beaver dam, barrier
to fish.

Available spawning
area, this section
70%

Excellent gravel
Available spawn-
ing area - 80%

Station #2

Banks flatten and become
stable. This is a riffle -
pool - riffle area with
good (1" - 6") gravel.
Available spawning area
is about 75%.

Stream bed flattens out
here. Set fry trap and
caught 5 fry. Will have
to key them out later.

Gradient of stream increases
in this section. Banks get
steeper and rise to about 10'.
Bottom is mostly rubble with
only about 10% being avail-
able spawning area.

Station #1, 17' wide, 10' deep

Intertidal is rubble over bed-
rock with only about 10% avail-
able spawning area. Both
banks of stream have been
logged.



Kina Creek



Kina Creek

Name _____ Catalog No. 102-60-68
 Latitude N 55° 33' 34" WR No. _____
 Longitude W 132° 34' 35" K No. _____
 Geodetic Map No. _____ Work Area Ketchikan
 Location Mouth of Karta River Watershed Length app. 3 miles
 Drainage Area of Watershed _____
 Water Supply Type Lake and precipitation

Trails & Survey Routes None

Aerial Survey Notes Visibility should be fair from air.

Anchorage Off mouth of Karta River.

Tide Stage When Surveyed 1st half of ebb

FISHERY RESOURCES

Commercial Fisheries This stream is available to coho, pink, chum, steelhead, Dolly Varden and cutthroats.

Escapement Available spawning area - 5,226 M²

Species Composition _____

Timing _____

Schooling areas Karta Bay

Shellfish Potential See Karta River

Sport Fisheries _____

Land Use at Present None

History of Land Use Logging

Rehabilitation Potential None needed at present

Soils Banks along stream are flat and stable.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	<u>0</u>
	Number of droppings	<u>0</u>
Geese -----	Number seen on tide flats	<u>0</u>
	Number seen up creek	<u>0</u>
	Number of broods seen	<u>0</u>
Mallards ---	Number seen on tide flats	<u>0</u>
	Number seen up creek	<u>0</u>
	Number of broods seen	<u>0</u>
Mergansers -	Number of broods seen	<u>0</u>
Bald Eagles-	Number seen along creek	<u>0</u>
	Number of nests seen and location	<u>0</u>
Seals -----	Number seen at mouth of stream	<u>0</u>
Tide flats -	Estimate length along beach	<u>60 yds.</u>
	Estimate depth out from beach	<u>12'</u>
	Eel grass present on what percent of flats	<u>0</u>

PEAK ESCAPEMENT RECORD

NAME: Kina Creek

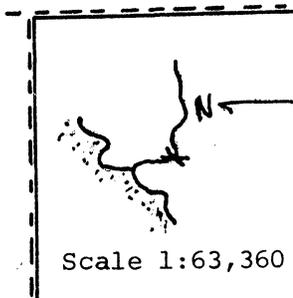
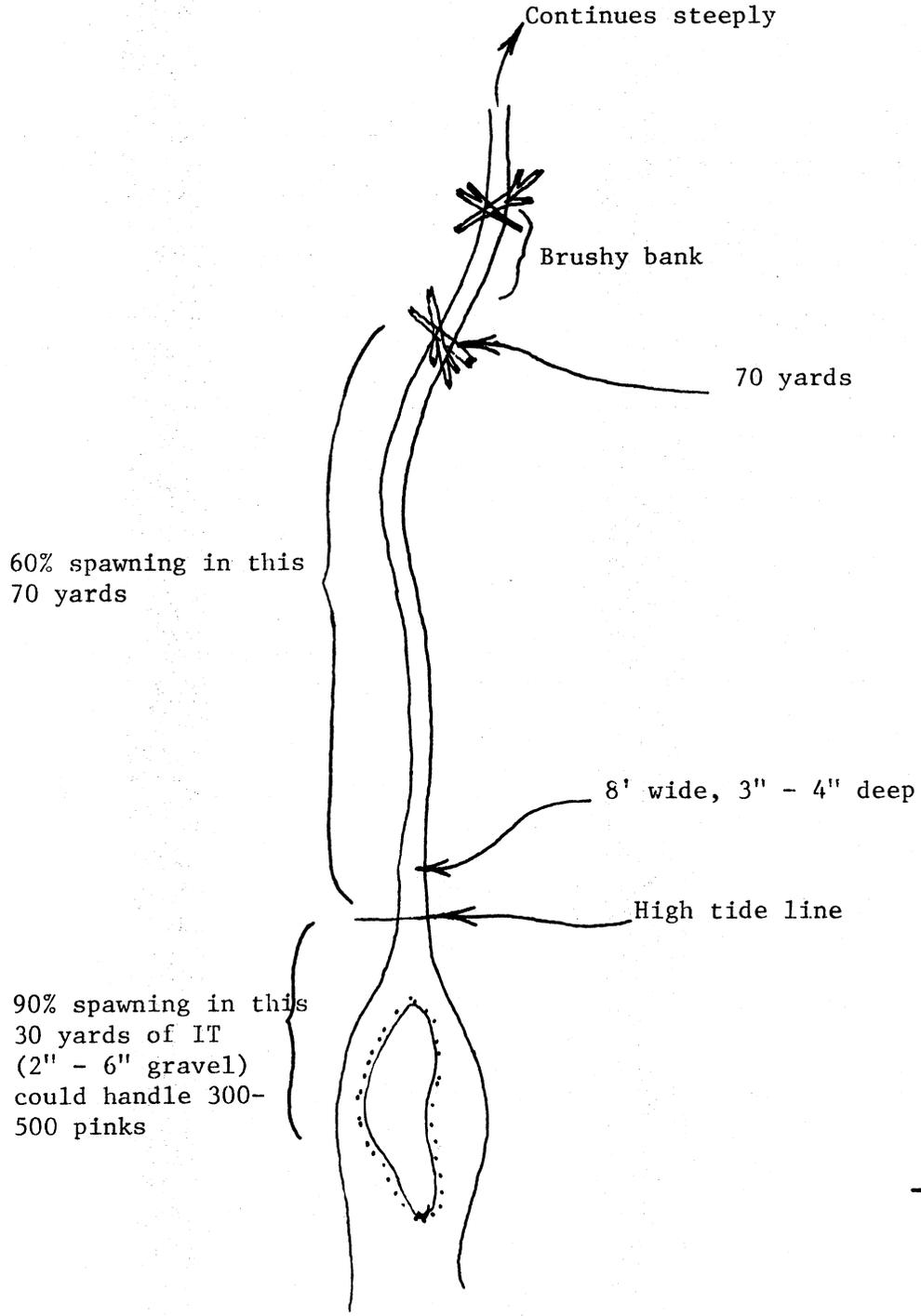
STREAM CATALOG NUMBER: 102-60-68

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Sept. 26, 1940	5,000			Good. 2,000 fish at mouth (G)
Sept. 25, 1948	3,000	200	1 coho	Fair. 3,000 fish off mouth (G)
Sept. 30, 1953				No other species (G)
Sept. 14, 1954	25,000		Few coho	Excellent, 10,000 off mouth and bay (G)
Aug. 22, 1955				2,000 red at mouth (G)
Sept. 12, 1956	17,000			2,000 pink at mouth (G)
Sept. 2, 1957				15,000 pink at mouth (A)
Aug. 16, 1961				30 at mouth - none in stream (A)
Sept. 13, 1962				500 fish at the mouth; more fish present in the stream. Vis. poor (A)
Aug. 9, 1963			6 coho	First 1/4 mile rock and boulders, flattens and widens into a fair spawning area. (F)
Aug. 15, 1963				350 fish at mouth. Nothing intertidally. (A)
Oct. 5, 1964	N.O.			Vis. good (A)
Sept. 18, 1968				No sight salmon (A)
July 27, 1970	400			2 balls off mouth, Vis. excellent (A)
Sept. 9, 1970		600		Escapement looks good, but vis. poor. (A)
Aug. 27, 1971	500			1,500 fish intertidally. Vis. good (A)
Aug. 19, 1973	3,000			4,000 fish intertidally. Vis. good (H)
Aug. 12, 1974				300 fish at mouth. Vis. good (A)

102-60-69-E
102-60-70-E
102-60-74-W
102-60-78-W
Twelvemile Arm
Novak, Downey, Joyner
May 17, 1974

These four streams located in Twelvemile Arm are classified as non-productive for fisheries. They typically, originate in V-notch valleys and tumble off the mountainsides into Twelvemile Arm. The only possible production may be in coho rearing near the ITZ.

12 Mile Arm
Across from Harris River
102-60-70
Downey
5-18-74



Name _____ Catalog No. 102-60-70
 Latitude N 55° 27' 02" WR No. _____
 Longitude W 132° 38' 47" K No. _____
 Geodetic Map No. Craig B-2 Work Area Ketchikan
 Location 12 Mile Arm - Kasaan Bay Watershed Length _____
 Drainage Area of Watershed _____
 Water Supply Type Runoff and muskeg

Trails & Survey Routes Walk in stream

Aerial Survey Notes Too small for feasibility

Anchorage Good float to tie to in Hollis

Tide Stage When Surveyed 2nd half of flood

FISHERY RESOURCES

Commercial Fisheries No data

Escapement Available spawning area - 167 M²

Species Composition No data

Timing No data

Schooling areas No data

Shellfish Potential None - too rocky

Sport Fisheries No data

Land Use at Present None

History of Land Use None

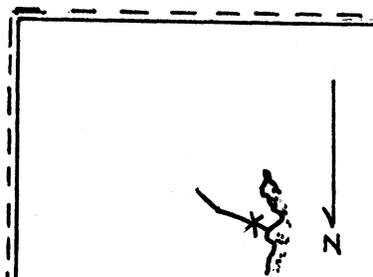
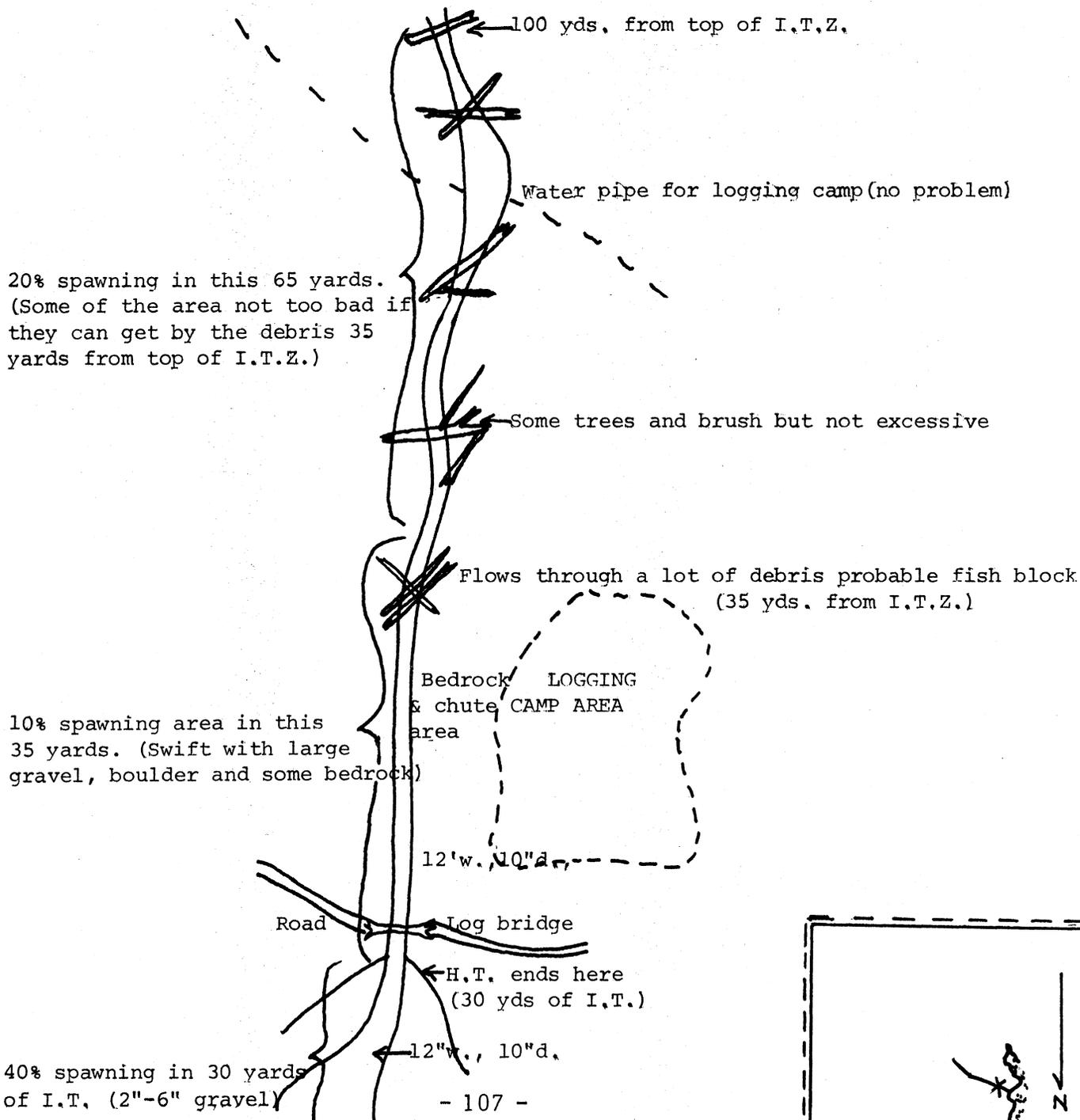
Rehabilitation Potential None

Soils Stable to point walked.

GAME RESOURCES

Bear -----	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
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	30
	Estimate depth out from beach	30
	Eel grass present on what percent of flats	

12 Mile Arm
1st stream on right side from head
102-60-71 (new number)



Name _____ Catalog No. 102-60-71 (new number)
 Latitude N 55° 22' 04" WR No. _____
 Longitude W 132° 40' 10" K No. _____
 Geodetic Map No. Craig B-3 Work Area Ketchikan
 Location 12 Mile Arm - Kasaan Bay Watershed Length _____
 Drainage Area of Watershed _____
 Water Supply Type Muskeg and springs

Trails & Survey Routes Walking in stream and on banks

Aerial Survey Notes Not feasible, too small with overstory and potenetial not too good

Anchorage Tie at float in front of logging camp located on stream

Tide Stage When Surveyed 1/2 ebb

FISHERY RESOURCES

Commercial Fisheries No data

Escapement Available spawning area - 236 M²

Species Composition No data

Timing No data

Schooling areas No data

Shellfish Potential None, rocky I.T.

Sport Fisheries No data

Land Use at Present Logging camp

History of Land Use None

Rehabilitation Potential Stream potential not high but a lot of debris..

Soils stable

GAME RESOURCES

• Bear -----	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
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	-
	Estimate depth out from beach	-
	Eel grass present on what percent of flats	0

102-60-72
Twelvemile Creek
9-9-74
Downey, Joyner

Twelvemile Creek

35% usable spawning area.

A few logs in the stream but no fish blocks.

Smaller type gravel in the stream (1-4"). Most is 2".

Much good pool and marginal area for rearing fish.

Quite a few fish here but water was high and got no count.

Flat gradient most of the way and would be easy walking.

ALL LOGGED

ALL LOGGED

Small Beaver Pond
2.25 mile Road crossing
Falls - no barrier but would be deterrent.

No rehab. potential here.

Pretty silty in the lower stream area.

Cave Creek

Scale 1:63,360

Name Twelvemile Creek Catalog No. 102-60-72
 Latitude _____ WR No. None
 Longitude _____ K No. 175
 Geodetic Map No. Craig B-3 Work Area Ketchikan
 Location Kasaan Bay, 12 mile Arm Watershed Length 6 miles
 Drainage Area of Watershed _____
 Water Supply Type Precipitation, runoff

Trails & Survey Routes Flat gradient and lots of gravel bar type banks, should be easy walking.

Aerial Survey Notes All logged to the stream - easily surveyed.

Anchorage Off the mouth of the stream or tie up at Day's road construction camp. Refer to Alaska Coast Pilot.

Tide Stage When Surveyed Low tide.

FISHERY RESOURCES

Commercial Fisheries Pink, chum, coho

Escapement 35,000 pink and 500 chum on 9-25-40:

Available spawning area - 23,177 M²

Species Composition 90 - 95% pink

Timing Late

Schooling areas Off the mouth and many good pool areas within the stream.

Shellfish Potential Unknown - it has an extensive flats so should have good clam potential. Not many crabs in this area.

Sport Fisheries Unknown. Probably a run of Dolly Varden and a few steelhead.

Land Use at Present Bob Day has a road construction camp off the mouth.

History of Land Use This area was extensively logged.

Rehabilitation Potential None - there are no extensive barriers and no large areas of debris in the stream.

Soils Flat gradient and the banks appeared to be stable all of the distance surveyed.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	Many
	Number of droppings	"
Geese -----	Number seen on tide flats	26
	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	1
Bald Eagles-	Number seen along creek	5
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	0
Tide flats -	Estimate length along beach	-
	Estimate depth out from beach	-
	Eel grass present on what percent of flats	-

PEAK ESCAPEMENT RECORD

NAME: Twelvemile Creek

STREAM CATALOG NUMBER: 102-60-72

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Oct. 13, 1930	2,000			(G)
Sept. 30, 1937				Well seeded with chum, very few pink
Sept. 25, 1940	35,000	500		Good (G)
Oct. 10, 1941	20,000			Good. Evidence of early run (G)
Oct. 2, 1946	10,000	1,000		Poor (G)
Oct. 7, 1947				Poor showing of fish here (G)
Sept. 24, 1948	7,850	12,000		Fair (G)
Oct. 6, 1948			500 coho	(G)
Sept. 19, 1951	1,300	900	500 coho	Some fish at mouth (A)
Sept. 20, 1952	485	700	350 coho	Few fish, chum and pink (G)
Sept. 5, 1953	210			(G)
Oct. 1, 1953			400 coho	Few dead chum, pink. None off mouth (G)
Oct. 1, 1953		600		(G)
Sept. 28, 1954	3,500	100	350 coho	Few dead chum. None at mouth (G)
Sept. 28, 1955	7,000	2,000		Chum fresh, pink spawning. Some dead chum, pink. (A)
Sept. 17, 1956		800	26 coho	(G)
Sept. 20, 1956	18,000			Chum present. Few dead pink. Several thousand at mouth (A)
Aug. 20, 1957			4 red	(G)
Sept. 15, 1957	200			(A)
Sept. 19, 1957		416		(G)
Sept. 27, 1957			1,000 coho	Few chum, pink. None observed at mouth (A)
Aug. 31, 1958	800	135		Few chum. Spawning. Good visibility (G)
Sept. 22, 1958			171 coho	(G)

PEAK ESCAPEMENT RECORD

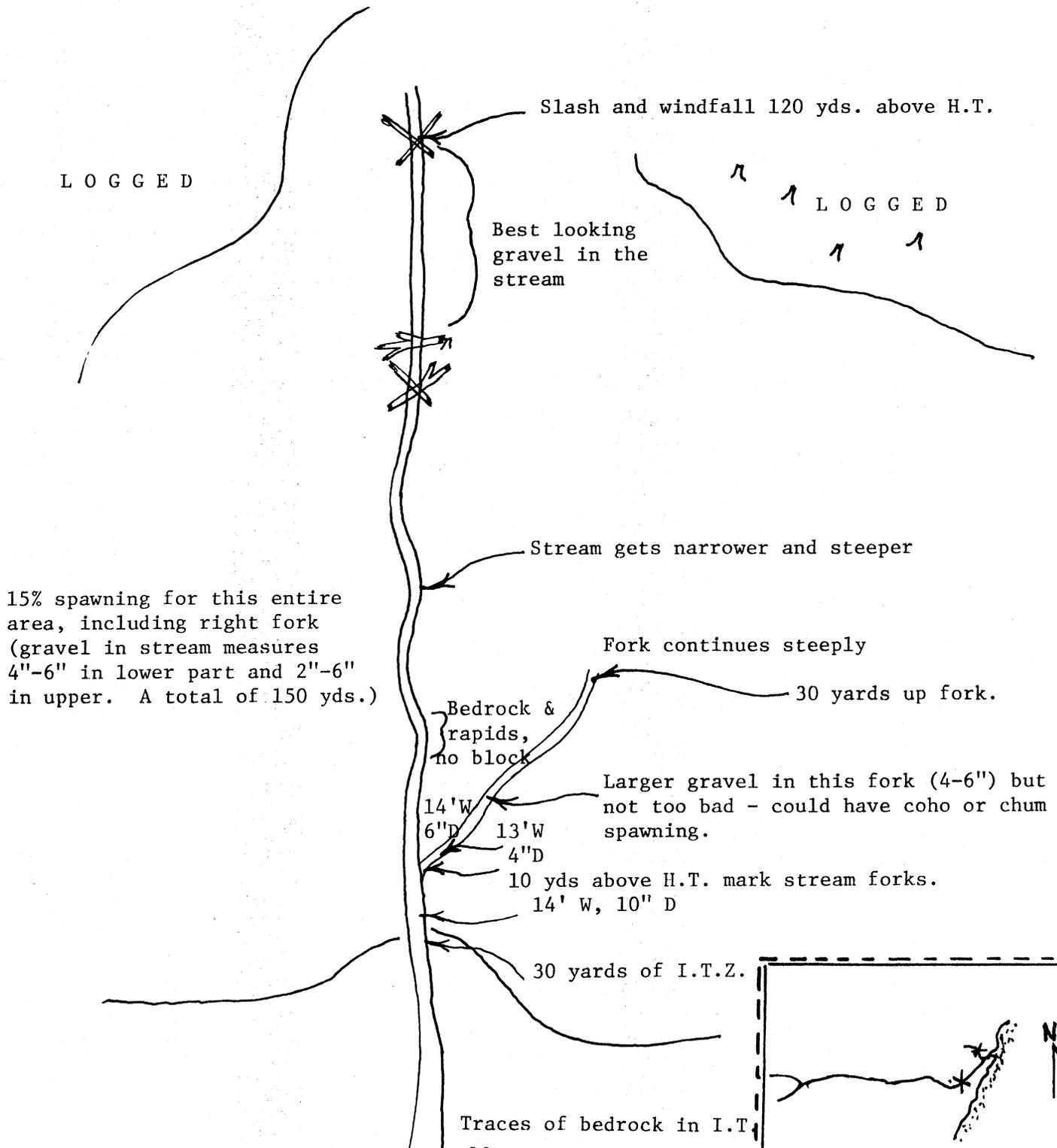
NAME: Twelvemile Creek

STREAM CATALOG NUMBER: 102-60-72

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Sept. 2, 1959			40 coho	(G)
Sept. 21, 1959	900	110		(G)
Sept. 14, 1960		30		(G)
Sept. 20, 1960	2,050			(G)
Aug. 18, 1961				100 at mouth - all schooled (A)
Aug. 12, 1962	Present			Some fish present at the mouth. Vis. poor (A)
Aug. 29, 1963	-----29,800-----			(A)
Sept. 10, 1964	62,000			9,000 fish present intertidally. Fish spawning heavily (H)
Aug. 26, 1965	23,200			400 fish intertidally. Vis good in stream, poor off mouth (H)
Aug. 29, 1966	81,700			2,000 fish intertidally. Vis. good. Many spawning, most in holes (A)
Aug. 12, 1967	13,000	1,000		1,200 fish intertidally. Vis. excellent (H)
Aug. 26, 1968	46,000	Few		15,000 fish intertidally. Vis. excellent. Fish starting to spread (A)
Sept. 5, 1969	34,000			7,500 fish intertidally. Fish to block. Vis. fair. Most fish schooled yet. (A)
Aug. 20, 1970	20,000	400		5-10,000 fish intertidally. Vis. fair. Chums spawning most fish in lower stream. (A)
Sept. 14, 1971	45,000			11,000 in study area. Vis. good (A)
Aug. 21, 1972	8,700	600		9,300 fish intertidally. Vis. excellent. Little spawning (H)
Aug. 19, 1973	-----27,000-----			Vis. excellent (H)
Aug. 12, 1974	-----15,000-----			5 balls in 12 Mile Arm. Vis. good in stream and excellent at mouth (A)

West Side 12 Mile Arm
 2.2 Miles from Head
 102-60-76
 Downey
 5-18-74

Some traces of bedrock throughout the stream



Name _____ Catalog No. 102-60-76
 Latitude N 55° 22' 47" WR No. _____
 Longitude W 132° 43' 47" K No. _____
 Geodetic Map No. Craig B-3 Work Area Ketchikan
 Location 12 Mile Arm - Kasaan Bay Watershed Length _____
 Drainage Area of Watershed _____
 Water Supply Type Drainage and runoff

Trails & Survey Routes Walk in stream bed

Aerial Survey Notes Not feasible, overstory and small

Anchorage Tie at float in Hollis

Tide Stage When Surveyed High

FISHERY RESOURCES

Commercial Fisheries No data available.

Escapement Available spawning area - 88 M²

Species Composition No data available

Timing No data

Schooling areas No data

Shellfish Potential None, rocky I.T.

Sport Fisheries No data

Land Use at Present None

History of Land Use Logging

Rehabilitation Potential None necessary

Soils Stable as far as walked.

GAME RESOURCES

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

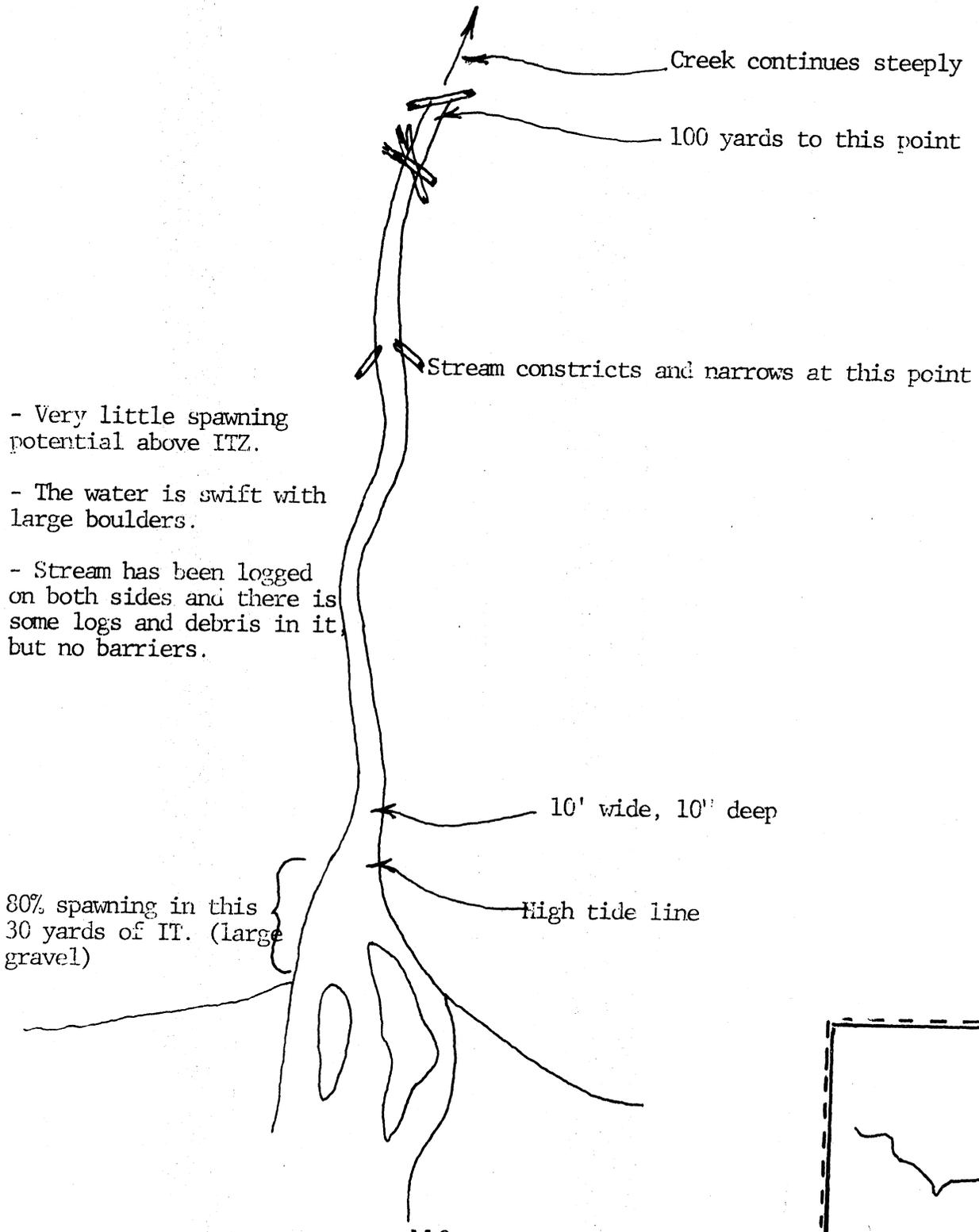
PEAK ESCAPEMENT RECORD

NAME: Twelvemile Arm, W. shore 3.2 miles from head

STREAM CATALOG NUMBER: 102-60-76

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Sept. 28, 1948	1			Poor (G)

12 Mile Arm - Kasaan
2nd stream on right from head
102-60-78
Downey
5-18-74



- Very little spawning potential above ITZ.

- The water is swift with large boulders.

- Stream has been logged on both sides and there is some logs and debris in it, but no barriers.

80% spawning in this 30 yards of IT. (large gravel)



Name _____ Catalog No. 102-60-78
 Latitude N 55° 42' 15" WR No. _____
 Longitude W 132° 42' 38" K No. 175A
 Geodetic Map No. Craig B-3 Work Area Ketchikan
 Location 12 Mile Arm, Kasaan Bay Watershed Length _____
 Drainage Area of Watershed _____
 Water Supply Type Muskeg and runoff and springs.

Trails & Survey Routes Brushy banks, walk in stream

Aerial Survey Notes Not feasible.

Anchorage Good float at Hollis

Tide Stage When Surveyed Last stage of flood

FISHERY RESOURCES

Commercial Fisheries Nostate surveys and only one survey by Fish and Wildlife Service in 1948 that indicated there was 1,650 pinks in the stream.

Escapement No data except above and a capacity of 134 pinks in IT. (10'w x 90' long)
Available spawning area - 36 M²

Species Composition No data except above.

Timing Probably late.

Schooling areas No data

Shellfish Potential Rocky IT - no potential

Sport Fisheries None

Land Use at Present None

History of Land Use Logged - probably 10-15 years ago.

Rehabilitation Potential None needed - no potential for rehabilitation.

Soils Stable to the point walked.

GAME RESOURCES

Bear -----	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
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	40 yds
	Estimate depth out from beach	30 yds
	Eel grass present on what percent of flats	0

PEAK ESCAPEMENT RECORD

NAME: Twelvemile Arm, W. shore 2.7 miles from head

STREAM CATALOG NUMBER: 102-60-78

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Sept. 24, 1948	1,650			Fair (G)

Gradient increases severely with little upstream potential for migrating species.

Approximately 3 miles above the mouth.

Indian Creek
102-60-80
9-9-74
Novak - Larson

4' falls

3' falls

3' falls

-- Station #3

17' wide

7" deep

Exposed bedrock, rubble

Excellent gravel with some boulders

Braided channel - width exceeds 65', depth 8"
Gravel

25% pools

Water temperature 52°

50% ASA to gauging station from islands above.

65' wide, 18" deep

Rubble gravel (3-4" dia.)

Gauging station - .8 mile above Harris River.

-- Station #2

Coho fry observed. Series of low rapids and shallow pools-boulders in river.

20 pink salmon

-- Aspen Island

-- Gravel bar
Spawning channel starts here.

1290 pink salmon, actively spawning

POOL

-- Cable crossing

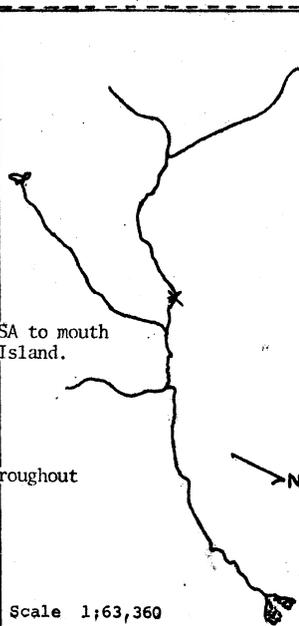
90% ASA to mouth from Island.

3800 pink salmon - Actively spawning

60' wide, 1' deep
Excellent gravel (2-3" dia.) throughout spawning channel.

- 121 -

-- Station #1



Scale 1:63,360



Indian Creek

Name Indian Creek Catalog No. 102-60-80
 Latitude N 55° 27' 28" WR No. 144A
 Longitude W 132° 41' 27" K No. 176-1
 Geodetic Map No. Craig B-3 Work Area Ketchikan
 Location Hollis -Prince of Wales Island Watershed Length 5.5 Miles
 Drainage Area of Watershed 11 square miles
 Water Supply Type Ground water and runoff are the principle sources of water supply. Small ponds feed lower end.
 Trails & Survey Routes During low tide, the easiest way to survey is by walking in the stream.
 Aerial Survey Notes Difficult to survey upper area as the rocks are dark in color. Also constricted view due to side vegetation.
 Anchorage Refer to Harris River.

Tide Stage When Surveyed Second half of flood (minimal influence on lower end of stream.

FISHERY RESOURCES

Commercial Fisheries Major species. Pink Salmon, chum and coho also present.

Escapement 1974 - 6,000 pink Ave. Esc. 4,000 pink

Available spawning area - 12,950 M²

Species Composition Pink 90%, chum 5%, coho 5%

Timing Late - September October

Schooling areas None on Indian Creek due to continuous riffle conditions of lower stream area.

Shellfish Potential None

Sport Fisheries Dolly Varden, cutthroat, coho

Land Use at Present None

History of Land Use This stream was logged inconjunction with Harris River and has been established as a forestry research area.

Rehabilitation Potential None necessary as the lower end of the stream has been established as a spawning channel.

Soils Stable with very little side erosion potential in the entire stream.

GAME RESOURCES

Bear	Number of fish carcasses or bones (old or fresh) on banks, estimate	10
	Number of droppings	4
Geese	Number seen on tide flats	70
	Number seen up creek	0
	Number of broods seen	0
Mallards	Number seen on tide flats	10
	Number seen up creek	0
	Number of broods seen	0
Mergansers	Number of broods seen	0
Bald Eagles	Number seen along creek	2
	Number of nests seen and location	0
Seals	Number seen at mouth of stream	0
Tide flats	Estimate length along beach	100 yds.
	Estimate depth out from beach	7 feet
	Eel grass present on what percent of flats	0

PEAK ESCAPEMENT RECORD

NAME: Indian Creek

STREAM CATALOG NUMBER: 102-60-80

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Oct. 13, 1930				Well seeded. Few live fish, but indications of a good earlier run
Aug. 26, 1938				Water too low for fish to enter
Sept. 22, 1939	7,000			Good, 5,000 fish at mouth (G)
Oct. 2, 1946	300			Good, 30,000 fish off mouth(G)
Sept. 24, 1948	3,700	120	1 coho	Good (G)
Sept. 11, 1949		106	1 coho	(G)
Sept. 27, 1949	3,495			(G)
Sept. 15, 1950			15 coho	(G)
Sept. 28, 1950	1,390	10		(G)
Aug. 28, 1951			2 coho	(G)
Sept. 24, 1951		485		(G)
Oct. 3, 1951	3,595			(G)
Sept. 9, 1952	775	7		(G)
Sept. 18, 1953		20		Visiblity 70%. Chum, pink spawning (G)
Sept. 28, 1953	250			High water, poor estimate (G)
Sept. 28, 1954	4,000			Some dead pink (A)
Sept. 19, 1955	3,500			(A)
Sept. 10, 1956		60		(G)
Sept. 20, 1956	9,000			Few dead pink. Spawning (A)
Sept. 9, 1957	500			(A)
Sept. 11, 1957		22		Very poor (G)
Sept. 22, 1957			10 coho	(G)
Sept. 29, 1958	2,100			(G)
Sept. 21, 1959	1,500			(G)
Sept. 10, 1960	2,400			(G)

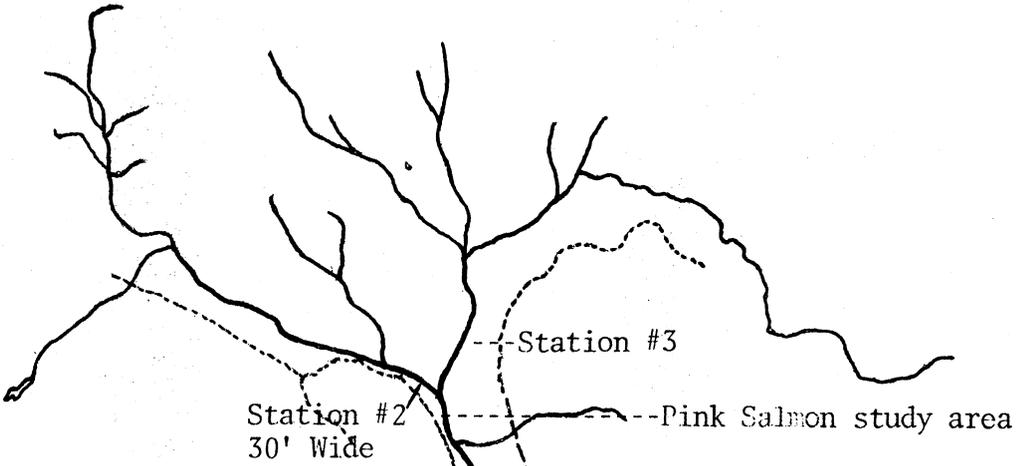
PEAK ESCAPEMENT RECORD

NAME: Indian Creek

STREAM CATALOG NUMBER: 102-60-80

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Aug. 12, 1962	23,000			(A)
Aug. 15, 1963	N.O.			Vis. good. Stream very low. Nothing present intertidally. (A)
Sept. 10, 1964	6,000			Vis. fair (H)
Sept. 12, 1966	4,600			1,500 carcasses. Vis. excellent (A) Heavy spawning.
Sept. 5, 1969	2,000			Vis. good. All fish spawning (A)
Aug. 20, 1970	few			1,000 fish intertidally. Vis. fair (A)
Aug. 26, 1971				8,000 fish intertidally. Vis. good (H)
Aug. 27, 1972	----8,000----			Vis. fair (A)
July 10, 1973	N.O.			Vis. good (A)
Sept. 9, 1974	5,100			No salmon noted above foot survey from helicopter (F)

Harris River
 102-60-82
 1974
 Novak - Larson



The area below the forks to just above the road crossing is characterized by braided shifting channels with a heavy silt load.

75% riffle
 25% pool

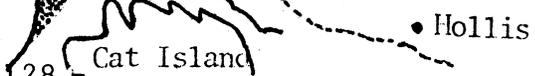
80% ASA

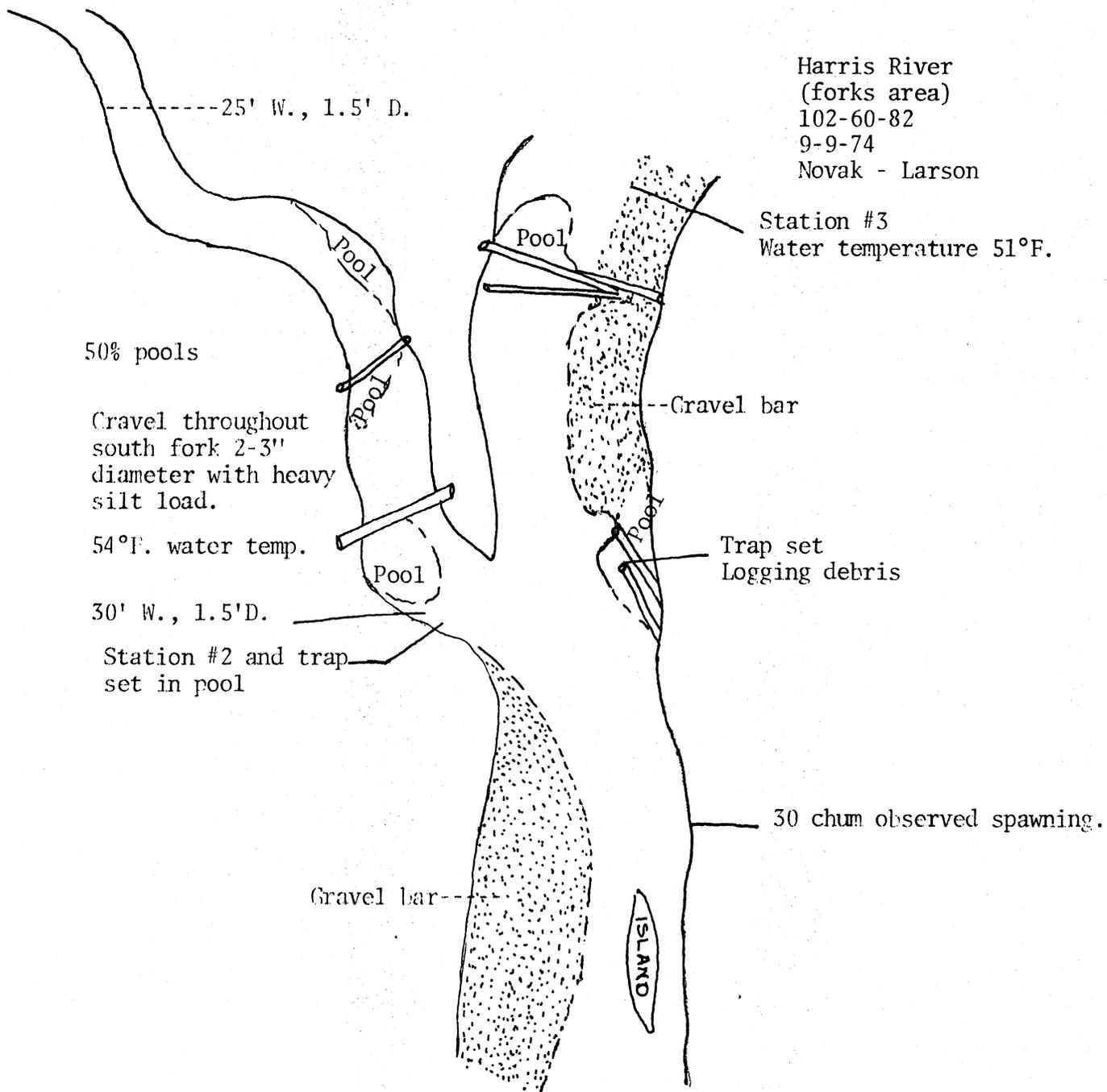


The lower 3 miles of the river are heavily utilized by salmon for spawning; the upper intertidal zone is also utilized.



1" - 1 mile





Name Harris River Catalog No. 102-60-82
 Latitude N 55° 27' 51" WR No. 144
 Longitude W 132° 41' 50" K No. 176
 Geodetic Map No. Craig - B-3 Work Area Ketchikan - Hollis
 Location Prince of Wales Island - Hollis Watershed Length _____
 Drainage Area of Watershed 29 square miles (polar planimeter)
 Water Supply Type Precipitation fed with many small feeder streams fed by surface runoff - groundwater supplement.
 Trails & Survey Routes A skiff may be used to survey the lower end at high tide or use the trail on left bank. Walk stream above bridge.
 Aerial Survey Notes Excellent as the system has open visibility and light colored substrate the entire length of the river.
 Anchorage Large vessels usually anchor in Hollis Anchorage. Due to extreme tide fluctuation, use small skiff when surveying.
 Tide Stage When Surveyed Second half of ebb.

FISHERY RESOURCES

Commercial Fisheries Major species - pink. Chum, coho and red salmon are also reported to utilize this system.

Escapement High historic 123,000 Ave. esc. (1961 - 1973) - 57,000
Available spawning area - 148,331 M2

Species Composition (estimate) 90% pink, 8% chum, 2% others

Timing Late - September, October.

Schooling areas I.T.Z. many pools from midtide to high tide provide schooling areas. Pools are found throughout the upstream section.

Shellfish Potential Excellent clam fishery in lower ITZ and crab may be taken around Hollis anchorage and possibly off river mouth.

Sport Fisheries Four species of salmon. Cutthroat, Dolly Varden and steelhead.

Land Use at Present Road system to Craig parallels river. Hollis ferry landing and residential houses nearby.

History of Land Use Completely logged in the period between 1957 and 1962. A logging community developed at Hollis Anchorage as a result.

Rehabilitation Potential Removal of logging debris from the river.

Soils Generally unstable stream banks are found along the river contributed to by effects of logging. Braided shifting channels with heavy silt load in stream gravels.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	20
	Number of droppings	10
Geese -----	Number seen on tide flats	70
	Number seen up creek	0
	Number of broods seen	0
Mallards ---	Number seen on tide flats	20
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	3
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	1 mile
	Estimate depth out from beach	16 feet
	Eel grass present on what percent of flats	1%

PEAK ESCAPEMENT RECORD

NAME Harris River

STREAM CATALOG NUMBER: 102-60-82

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Oct. 13, 1930				Well seeded. Few live, but indications good of earlier fish.
Aug. 26, 1938				10,000 fish off mouth.
Sept. 22, 1939	10,000			Poor. 5,000 fish off mouth
Sept. 25, 1940	20,000			Good.
Oct. 10, 1941	15,000			Fair.
Sept. 2, 1942	7,000			Fair.
Sept. 25, 1945	10,000			Excellent. 20,000 fish off mouth
Oct. 2, 1946	30,000	500		Good.
Oct. 7, 1947				Poor. Signs of a small earlier run.
Sept. 16, 1948		4,000		
Sept. 24, 1948	10,000			Fair.
Sept. 29, 1948			500 coho	
Sept. 19, 1949		1,570		
Sept. 27, 1949	17,285		225 coho, 25 red	
Sept. 15, 1950	8,642	1,592	577 coho, 4 red	
Sept. 15, 1951		4,289	680 coho	
Sept. 19, 1951	6,150			Most fish in intertidal zone.
Aug. 30, 1952	2,072			Fish are fresh.
Sept. 24, 1952		321		
Oct. 4, 1952			450 coho	Few dead chum, pink.
Sept. 5, 1953	585	285	465 coho	
Aug. 18, 1954		630		
Sept. 29, 1954	29,955			
Oct. 4, 1954			14 coho	
Sept. 6, 1955			35 coho	

PEAK ESCAPEMENT RECORD

NAME Harris River

STREAM CATALOG NUMBER: 102-60-82

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Sept. 13, 1955		1,678		
Sept. 23, 1955	22,000			
Sept. 3, 1956		1,750		
Sept. 10, 1956			300 coho	
Sept. 20, 1956	45,000			Chum present. Few dead pink.
Sept. 22, 1957	1,500	312	300 coho	Few dead pink. Few fish at mouth.
Aug. 14, 1958		150		
Sept. 10, 1958	2,800		18 coho	
Aug. 25, 1959		25	100 coho	
Sept. 4, 1959	4,650			
Sept. 10, 1960	4,600			
Sept. 2, 1962	80,000			
Aug. 21, 1963		8,300		
Aug. 29, 1963	63,000			3,000 of the 63,000 was inter-tidal.
Aug. 31, 1964		2,000		Most in lower 3 miles. Vis. fair to good.
Sept. 10, 1964	82,000			All fish spawning. Excellent distance. Stream low.
Aug. 26, 1965	50,400			Vis. good to fair.
Aug. 23, 1966		900		Good vis.
Aug. 29, 1966	54,800			Vis. fair to good. Most all old fish.
Aug. 12, 1967	14,000			
Aug. 19, 1968	35,000			Vis. excellent.
Aug. 26, 1968		1,000		Fair vis. Chum spawning heavily to Klawock bridge crossing.
Sept. 5, 1969	71,000	500		Good vis. Heavy spawning in upper stream to highway bridge.

PEAK ESCAPEMENT RECORD

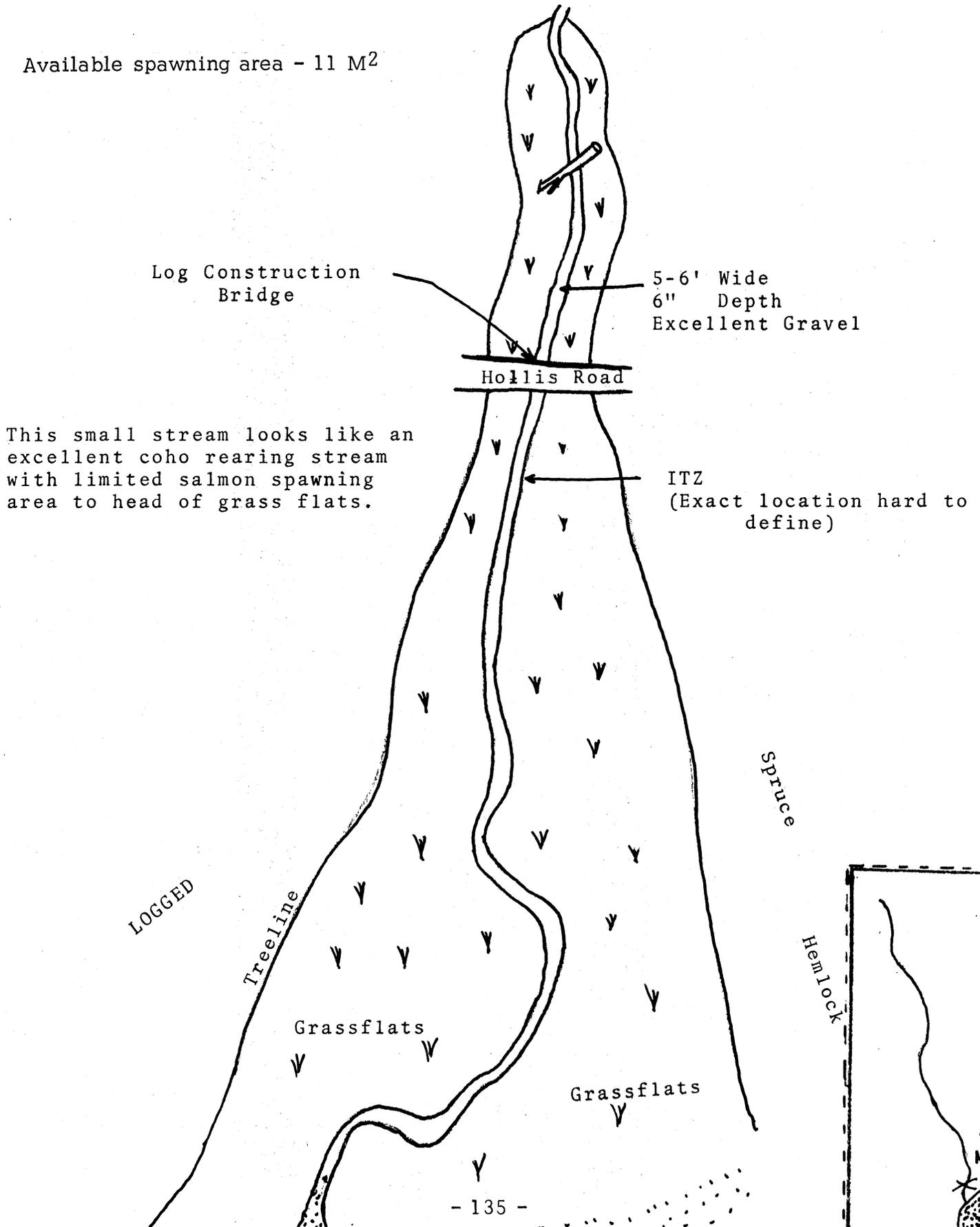
NAME Harris River

STREAM CATALOG NUMBER: 102-60-82

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Aug. 25, 1970	32,100	1,200		Vis. excellent in stream. Chop at mouth.
Aug. 26, 1971	123,000			Vis. good.
Aug. 13, 1972		2,500		Vis fair.
Aug. 21, 1972	36,000			Vis. excellent.
Aug. 10, 1973		1,000		Vis. good.
Aug. 19, 1973	44,100			Vis. excellent.
Sept. 4, 1974	19,100	few		

102-60-83-
Road Creek
West of Maybeso Creek
Novak
May 18, 1974

Available spawning area - 11 M²



This small stream looks like an excellent coho rearing stream with limited salmon spawning area to head of grass flats.

102-60-84
 Maybeso Creek
 9-9-74
 Downey - Joyner

The stream is quite high from recent rains, up in the edge of the grass.

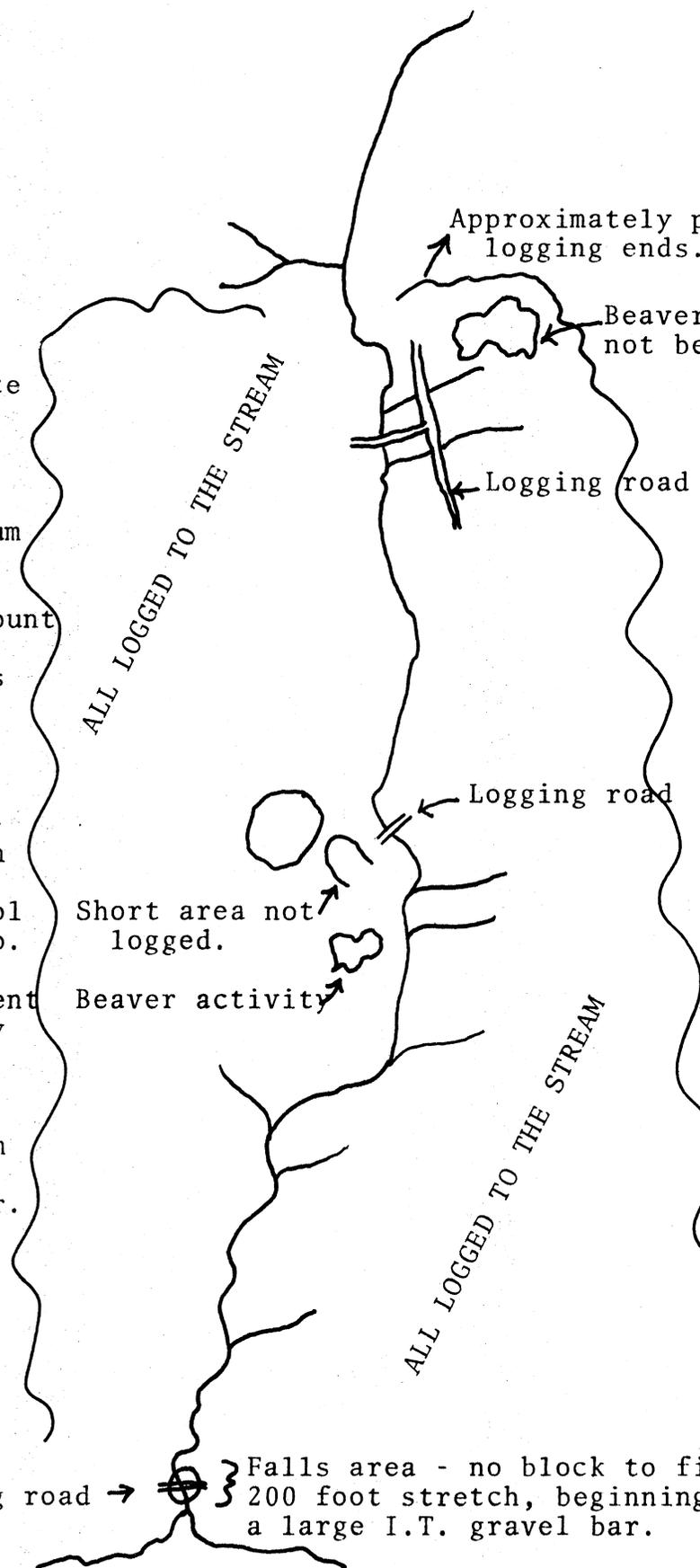
A few pink and chum in the I.T. zone - too dark and high for an accurate count

Both sides of this valley have been logged to the stream.

There are many excellent riffles in this stream with some very good pool rearing areas also.

Fairly flat gradient with good gravelly banks -- would be easy walking.

Larger type system and should be an excellent producer.



Approximately point where the logging ends.

Beaver activity - may not be exact location.

Logging road

Logging road

ALL LOGGED TO THE STREAM

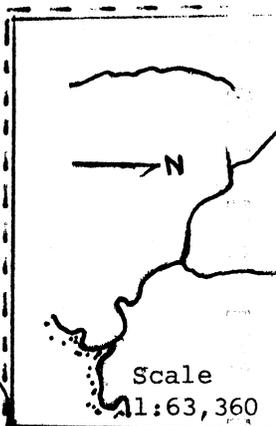
Short area not logged.

Beaver activity

ALL LOGGED TO THE STREAM

40% available spawning area.
 Gravel 2-6".
 40ft. wide

50% available spawning area.
 Gravel is 2-4"



Logging road → } Falls area - no block to fish/ This is a 200 foot stretch, beginning 100 yards above a large I.T. gravel bar.

Hollis Anchorage

Name Maybeso Creek Catalog No. 102-60-84
 Latitude _____ WR No. None
 Longitude _____ K No. 177
 Geodetic Map No. Craig C-3 & B-3 Work Area Ketchikan
 Location Kasaan Bay, Twelvemile Arm Watershed Length 6 miles
 Drainage Area of Watershed _____
 Water Supply Type Precipitation

Trails & Survey Routes Flat gradient and good gravelly banks should offer easy walking. A road runs from Hollis to the stream, where a bridge may be crossed.

Aerial Survey Notes Logged to the stream. Larger system and all open so is easily surveyed.

Anchorage Anchor in the Hollis area or tie up to the ferry terminal float located in the N.E. corner of the bay. Refer to Alaska Coast Pilot.

Tide Stage When Surveyed 1/2 tide and ebbing.

FISHERY RESOURCES

Commercial Fisheries Pink, chum and coho

Escapement 5,506 pink and 360 chum + 222 coho on 9-26-49: 3,572 pink and 738 chum on 9-29-54: Available spawning area - 33,110 M²

Species Composition 80% pink, 20% chum

Timing Middle

Schooling areas Off the mouth and pools within the stream.

Shellfish Potential Unknown - but there is a fair flats here so there should be a good clam population. Not much for crabs in this area.

Sport Fisheries Unknown. There are probably Dolly Varden here and a few steel-head.

Land Use at Present None

History of Land Use Extensively logged.

Rehabilitation Potential None - there are no extensive barriers and no large areas of debris in the stream.

Soils Flat gradient, however, near the upper end of the system there are isolated small areas of bank slumpage and trees in the stream.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	Many
	Number of droppings	"
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	-
	Estimate depth out from beach	-
	Eel grass present on what percent of flats	-

PEAK ESCAPEMENT RECORD

NAME: Maybesso Creek

STREAM CATALOG NUMBER: 102-60-84

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Oct. 14, 1930				Very few live, poor showing of dead (G)
Sept. 22, 1939	1,500			(G)
Sept. 26, 1940	3,000			Poor(G)
Oct. 10, 1941	200			Poor. 10,000 off mouth (G)
Aug. 26, 1948		5,200		(G)
Sept. 24, 1948	75			(G)
Sept. 29, 1948			65 coho	(G)
Aug. 25, 1949		900		(G)
Sept. 26, 1949	5,506		222 coho	(G)
Aug. 31, 1950		544		44 chum above falls (G)
Sept. 17, 1950	315		1 red	(A)
Oct. 2, 1950			631 coho	(G)
Sept. 17, 1951		2,018	3 red	(A)
Oct. 3, 1951	705		325 coho	Many carcasses (A)
Aug. 30, 1952	66	1,354		Fish are spawning (G)
Sept. 1, 1953		1,955		(G)
Aug. 30, 1954		1,297		(G)
Sept. 29, 1954	3,571			
Sept. 14, 1955		310		(G)
Sept. 20, 1955	96			(G)
Sept. 17, 1956	400	800	26 coho	(G)
Sept. 3, 1957	9	1,124	1 red	(G)
Sept. 20, 1957			44 coho	(G)
Sept. 1, 1958	35	20	2 coho	(G)
Sept. 10, 1959		30		(G)
Sept. 18, 1959	75			(G)

PEAK ESCAPEMENT RECORD

NAME:

Maybesso Creek

STREAM CATALOG NUMBER:

102-60-84

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Aug. 22, 1960		445		(G)
Sept. 6, 1960	17			(G)
Aug. 13, 1962	Few	Few		3,000 pink and chum present at the mouth (F)
Aug. 29, 1963	-----2,500-----			(A)
Aug. 20, 1964	1,000			4,500 fish present intertidally on Aug. 12, 1964. All spawning (A)
Aug. 24, 1964		4,000		Most spawning (A)
Aug. 17, 1965	-----800-----			3-400 fish intertidally. Vis. fair. most fish in pool below falls (A)
Sept. 12, 1966	700	400		Were 16,000 fish intertidally on Aug. 29, 1966. Vis. excellent (A)
Aug. 26, 1968	2,500	50		11,500 fish intertidally. Vis. excellent. No fish above falls ()
Sept. 2, 1969	9,500	200		400 fish intertidally. Vis. good. Fish spawning heavily entire length (A)
July 31, 1970	N.O.			Vis. fair (A)
Aug. 27, 1971	-----14,000-----			11,000 fish intertidally. Vis. excellent (A)
Aug. 30, 1972	3,000			Vis. fair (A)
Aug. 15, 1973	4,000	1,000		3,500 intertidally. Vis. good (F)
Aug. 12, 1974				8 balls of fish at the mouth=7,000 Vis. excellent. (A)

Half Mile Creek
102-60-85
Novak
5-18-74

#4-5 log jam
probable block → 3/4 mile above ITZ

Tributary 1 →
5' width
4" depth

#2
4' cut banks

Silt and slash along stream with heavy bottom load.

Unstable. Rock wash banks with sediment

70% ASA

Partial block during extreme low flow.

ALDER

LOGGED ALDER LOGGED

Log bridge →

HOLLIS ROAD

95% ASA

75% riffle

Salmon remains found along entire lower area.

ALDER - Logged to banks

#1 - 12' width, 8" depth

ITZ

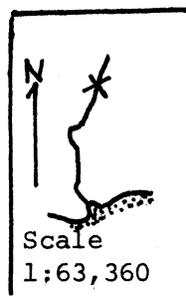
Treeline - - - - -

225' Excellent spawning area

6' width, 6" depth

- 141 -

← Piling



Name Half Mile Creek Catalog No. 102-60-85
 Latitude N 55° 29' 18" WR No. -
 Longitude W 132° 39' 28" K No. -
 Geodetic Map No. Craig - B-3 Work Area Ketchikan
 Location Hollis Anchorage Watershed Length 1.75 miles
 Drainage Area of Watershed 1.5 square miles
 Water Supply Type Runoff and springs

Trails & Survey Routes Easy to survey as the stream is shallow with good streambed footing. A road parallels the stream

Aerial Survey Notes Good open tree conditions with a light colored bottom.

Anchorage Large vessel anchorage in the Hollis Anchorage complex, but use skiff when foot surveying as ITZ extends out quite a distance.

Tide Stage When Surveyed 2nd half of ebb.

FISHERY RESOURCES

Commercial Fisheries Pink, chum, coho

Escapement Unknown as records do not indicate previous surveys.

Available spawning area - 2,649 M²

Species Composition (estimate) Pink 90%, chum 5%, coho 5%

Timing Middle

Schooling areas Possibly school off Maybeso Creek mouth as this is in the near vicinity.

Shellfish Potential Clams are found on the tide flats and there may be some potential for dungeness crab in the anchorage.

Sport Fisheries Dolly Varden, coho and cutthroat.

Land Use at Present None, other than the Hollis Road crossing.

History of Land Use Logged completely in 1960's with rafting and storage off the mouth of this stream at that time.

Rehabilitation Potential Possible debris removal to make available area above the probable fish block. Bank stabilization projects.

Soils Unstable, due to complete stream bank logging and vegetation destruction near stream.

GAME RESOURCES

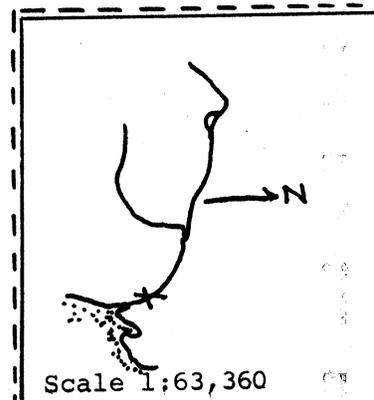
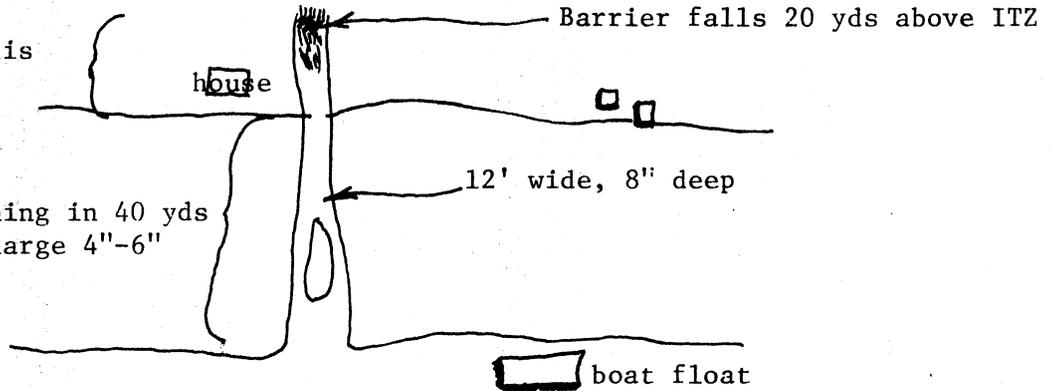
Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	<u>50</u>
	Number of droppings	<u>1</u>
Geese -----	Number seen on tide flats	<u>18</u>
	Number seen up creek	<u>0</u>
	Number of broods seen	<u>0</u>
Mallards ---	Number seen on tide flats	<u>50-100</u>
	Number seen up creek	<u>0</u>
	Number of broods seen	<u>0</u>
Mergansers -	Number of broods seen	<u>0</u>
Bald Eagles-	Number seen along creek	<u>0</u>
	Number of nests seen and location	<u>0</u>
Seals -----	Number seen at mouth of stream	<u>0</u>
Tide flats -	Estimate length along beach	<u>1-1/2 miles</u>
	Estimate depth out from beach	<u>75-100 yd.</u>
	Eel grass present on what percent of flats	<u>2%</u>

Pellett Creek
Kasaan Bay
102-60-86
Downey
5-18-74

Someone is living in the house.

40% spawning in this
20 yards.

40% spawning in 40 yds
of IT. (large 4"-6"
gravel)



Name Pellett Creek Catalog No. 102-60-86
 Latitude N 55° 31' 13" WR No. _____
 Longitude W 132° 34' 37" K No. _____
 Geodetic Map No. Craig C-2 Work Area Ketchikan
 Location Kasaan Bay Watershed Length _____
 Drainage Area of Watershed _____
 Water Supply Type Lake and runoff

Trails & Survey Routes Walk in creek

Aerial Survey Notes _____

Anchorage Anchor in Karta or tie to float in Hollis

Tide Stage When Surveyed Low

FISHERY RESOURCES

Commercial Fisheries No history - No data

Escapement Available spawning area - 80 M²

Species Composition No data

Timing No data

Schooling areas No data

Shellfish Potential None - rocky

Sport Fisheries No data

Land Use at Present Homesite

History of Land Use None

Rehabilitation Potential None

Soils Stable to falls

GAME RESOURCES

Bear -----	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
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	-
	Estimate depth out from beach	-
	Eel grass present on what percent of flats	-

PEAK ESCAPEMENT RECORD

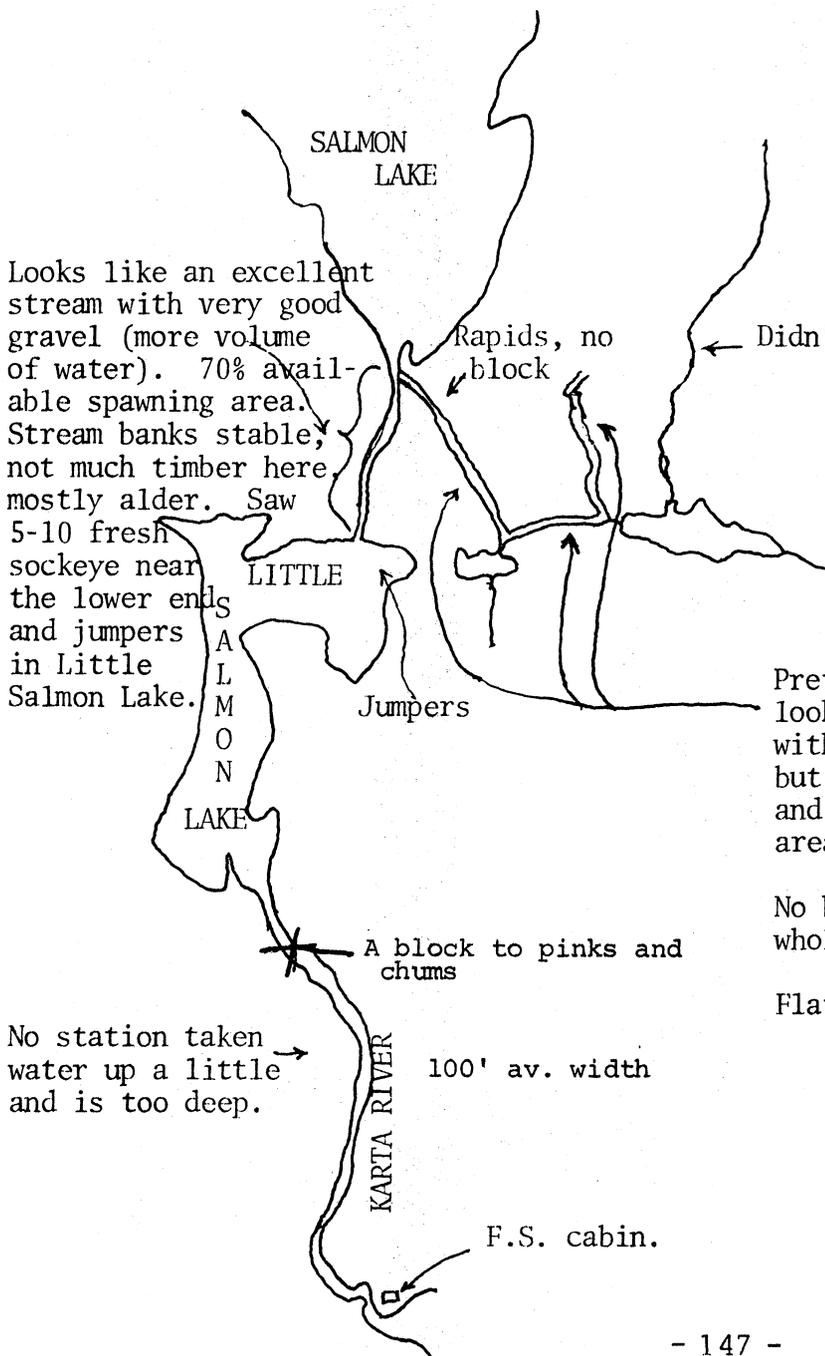
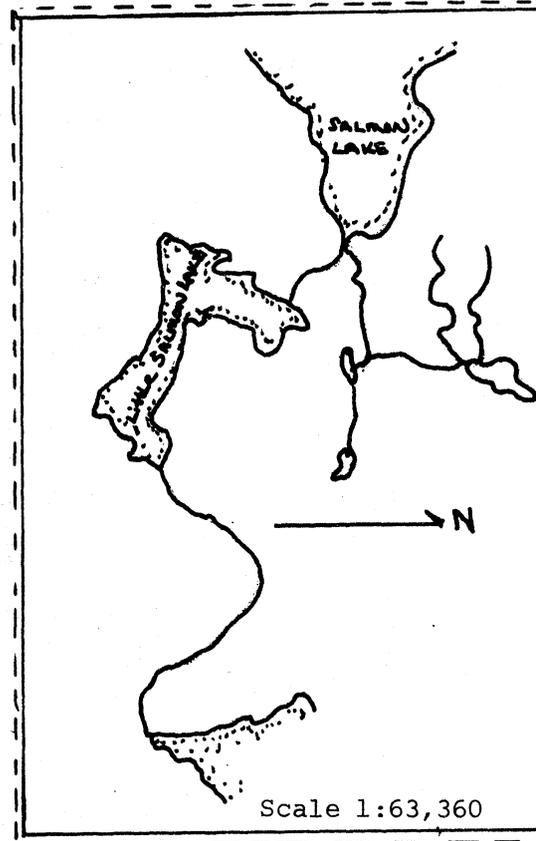
NAME: Twelvemile Arm, N. shore 10.3 miles from head

STREAM CATALOG NUMBER: 102-60-86

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Sept. 24, 1948	50	2,000		Good (G)

KARTA RIVER SYSTEM

Available spawning area - 1,626 M²



Didn't look at this stream.

Pretty nice stream and shouldn't be overlooked. Some marginal type spawning area with some pools and areas of larger gravel, but has some sections of excellent gravel and riffles also. 25% available spawning area. Width is approx. 40 feet.

No barriers and fish have access to the whole stream.

Flat gradient above the lower rapids.

102-60-87

Good riffle area.
Excellent gravel.
Lots of fry, coho,
rainbow, Dolly
Varden. 80%
available
spawning area.

3/8 mile

Old stream bed.

10' x 6"

70% available
spawning area is
section.

Deer, bear and wolf tracks
entire length. Easy walking
in stream bed.

Banks are stable. Spruce and
hemlock. Water clear and about
normal flow.

Coho, Dolly Varden,
fry.

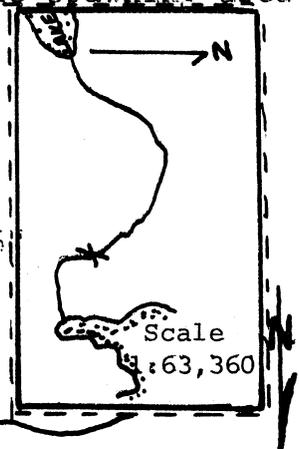
60% available spawn-
ing area.

Upper 2/3 of area walked has
60% available spawning area.

Bedrock, 0% available
spawning area.

12' x 6"

I.T. is rubble over
bedrock. 10% available
spawning area.



Karta River

□ Forest Service cabin

Name Karta River Catalog No. 102-60-87
 Latitude N 55° 34' 14" WR No. _____
 Longitude W 132° 38' 10" K No. _____
 Geodetic Map No. Craig C-2 Work Area Ketchikan
 Location Karta River System Watershed Length 1/2 mile
 Drainage Area of Watershed _____
 Water Supply Type Salmon Lake, and McGilverly and Andersen Creeks above this.

Trails & Survey Routes Not walked.

Aerial Survey Notes Very wide and open - easy to survey from the air.

Anchorage Off the mouth of the Karta River, planes can land in both Salmon and Little Salmon Lakes.

Tide Stage When Surveyed Not applicable - above a lake system.

FISHERY RESOURCES

Commercial Fisheries Sockeye and coho. Also possibly chum and pink.

Escapement No separate counts for this stretch of stream. Available spawning area (below falls) - 35,317 M²; available spawning area (tributary) - 736 M²

Species Composition Unknown but should be primarily sockeye and coho.

Timing Early for sockeye and late for other species.

Schooling areas Off the mouth in Little Salmon Lake.

Shellfish Potential N/A

Sport Fisheries Unknown but could be or has the potential of being very good.

Land Use at Present This area is used extensively by sport fishermen.

History of Land Use Sport fishing.

Rehabilitation Potential None - unless the possibility exists for increasing the sockeye and coho run here.

Soils Appeared to be stable.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	<u>0</u>
	Number of droppings	<u>0</u>
Geese -----	Number seen on tide flats	<u>0</u>
	Number seen up creek	<u>0</u>
	Number of broods seen	<u>0</u>
Mallards ---	Number seen on tide flats	<u>0</u>
	Number seen up creek	<u>0</u>
	Number of broods seen	<u>0</u>
Mergansers -	Number of broods seen	<u>0</u>
Bald Eagles-	Number seen along creek	<u>0</u>
	Number of nests seen and location	<u>0</u>
Seals -----	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>
	Eel grass present on what percent of flats	<u>0</u>

PEAK ESCAPEMENT RECORD

NAME: Karta River

STREAM CATALOG NUMBER: 102-60-87

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Oct. 14, 1930				Good indications of a run.
Aug. 17, 1938				1,000 fish.
Sept. 24, 1940	40,000	10,000		Good. 5,000 fish off mouth.
Oct. 11, 1941				Water high, many dead. Indications excellent.
Sept. 29, 1943	30,000	10,000		Fair. 4,000 fish off mouth.
Sept. 25, 1945	20,000	10,000		Excellent. 30,000 fish mouth.
Oct. 8, 1947				Good chum escapement. Small pink escapement.
Aug. 12, 1948			200 red	
Sept. 30, 1948		20,000		
Sept. 20, 1951	10,200	6,700	1,000 coho, few red	less than 10,000 chum in bay. Some coho in lake. 15,000 chum above marker.
Sept. 19, 1952				Poor visibility. Chum and pink present.
Sept. 19, 1952				Poor visibility. Chum and pink present. Scattered jumps.
July 24, 1953				2,000 red at head of Salmon Lake.
Oct. 7, 1953		50,000		Fair. Very few pink. Few fish showing stream flooded, many thousand dead.
Sept. 19, 1954	40,000	35,000		Excellent. Several thousands off mouth.
Sept. 19, 1955	5,000	20,000		Some dead chum. 20,000 fish at mouth.
July 24, 1956			10,000 red	
Sept. 29, 1956	250,000	100,000		20,000 pink and chum at mouth.
July 9, 1957			7,000 red	
Aug. 23, 1957			15 coho	
Sept. 13, 1957	6,000			20,000 in bay.

PEAK ESCAPEMENT RECORD

NAME: Karta River

STREAM CATALOG NUMBER: 102-60-87

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Sept. 22, 1957		70,000		Some pink. 730,000 chum at mouth, thousands off mouth.
Sept. 7, 1958	3,000			Fair visibility. Many jumps in bay.
Sept. 20, 1958		85,000		Fair visibility. 30,000 schooled off mouth.
Aug. 30, 1959	1,900	1,000	9,725 red, 675 coho	None at mouth.
Season 1960	2,000			None at mouth.
Season 1961	8,100	2,700	5,400 red, 100 coho	
Season 1962	59,975	11,160	10,800 reds	
Aug. 12, 1963	11,000	1,000	few red	Vis. fair. 1,000 intertidal. Survey with cruiser.
Sept. 10, 1964	136,000	5,300	few coho	Few starting to spawn. Fish all the way to falls.
Aug. 26, 1965	25,000		few red, few coho	Vis. poor at mouth. Fair to good intertidal.
Sept. 11, 1965		1,900		Vis. fair to good. Most spawning
Sept. 12, 1966	96,000	5,000	100 reds.	Good vis.
Aug. 29, 1967	3,000			Vis poor. Few spawning
Sept. 21, 1967		8,500		Vis fair to poor.
July 23, 1968	82,000	15,400		Vis. excellent.
Sept. 10, 1969	20,000	1,700		
Sept. 10, 1970	12,500			Poor vis. Jumpers in bay.
Aug. 31, 1971	24,000			Vis. Poor.
Aug. 21, 1972	34,600			Vis. very good, 5 balls in bay, vis. varied in sun and shade.
Sept. 6, 1973		5,000+		No peak survey in stream.
Aug. 28, 1974	-----12,000-----			Vis good.

UPPER KARTA RIVER SYSTEM
7-9-74
Larson & Downey

McGilvery Creek
102-60-89

200-300 ft. of good
gravel & then turns into
a slough

15 geese-molting
Shallow

Shallow

1 deep hole here

Anderson Creek
102-60-90

Steeper, swift & large boulders

Stopped here, getting steeper

Good area here again, flat gradient

Caught 1 coho
fry

Some very good riffles &
gravel in this area



logged
hillside

30% available spawning area for
the stream

Stream steepens here with increased velocity
and larger boulder type gravel.

Poor spawning area, swift water
large boulders with some
bedrock

All excellent gravel and stream

70% available spawning area

Good timber on the
hillsides bordering
this stream

Area of good riffles and good gravel

A little windthrow,
no blocks.

Falls and major deterrent area - no block as
we found coho fry above here- poor spawning
area here

Excellent riffles in this lower portion

Salmon Lake

Anderson Creek

McGilvery Creek



Scale 1:63,360

MISCELLANEOUS NOTES ON THE KARTA RIVER SYSTEM

Andersen Creek : 102-60-90

Set two minnow traps approximately 1/2 mile below the upper lakes. Set for 1/2 hour, using salmon eggs for bait. Caught one (I believe resident) Dolly Varden (3" long) and one coho fry. Many other fry were observed in pools, some of which were believed to be coho fry also. Therefore, the lower area of rapids and falls must not be a complete barrier, but I'd say it would probably be a major deterrent.

Excellent gravel (2" - 4") where the minnow traps were set. The stream here was 45 feet wide. Also had good pools being 6' - 8' deep and up to 50 feet long.

Fairly flat gradient for the length of the stream. Stream banks are stable.

This valley is broader than the valley McGilvery Creek lies in with a poorer quality of timber in and along the watershed until it reaches the adjacent hillsides.

McGilvery Creek : 102-60-89

Flew to a point a couple hundred yards above the first small lake.

Excellent stream. Stream is 59 feet wide at the lower end with an estimated average width of about 45 feet.

Some windfall in the first 1/4 mile and more throughout the stream but no masses and no barriers.

Fairly flat gradient and stream banks are stable.

This is a narrower more confined valley than Andersen Creek and it has some excellent looking timber on the hillsides.

This looks like a classic excellent stream, having much excellent riffle area, good gravel, good pool and rearing areas and good cover along the stream.



Karta River
lower end to Little Salmon Lake



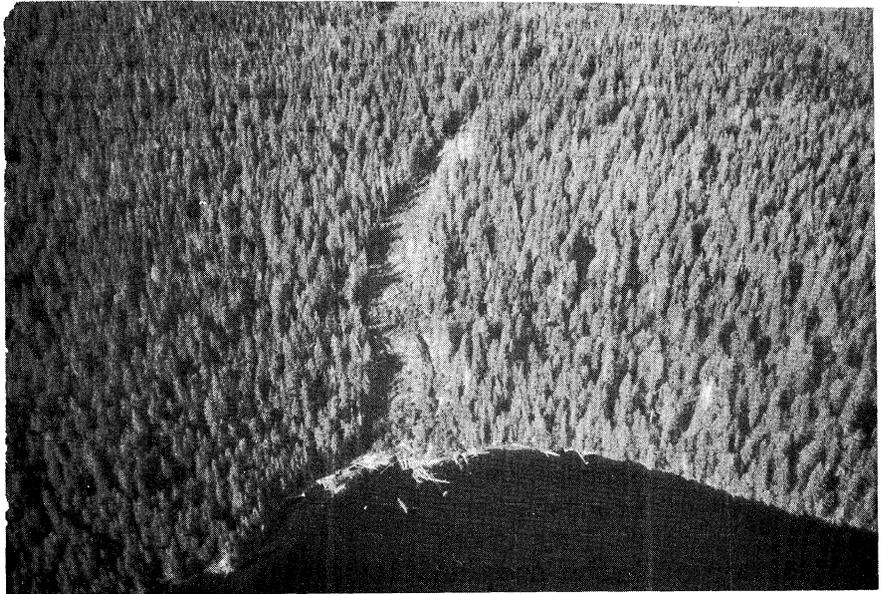
Karta River
Little Salmon Lake



Karta River
lower end to Little Salmon Lake



Karta River
Salmon Lake



Slide off north side of Salmon Lake

Name McGilvery Creek Catalog No. 102-60-89
 Latitude N 55° 34' 19" WR No. _____
 Longitude W 132° 42' 27" K No. _____
 Geodetic Map No. Craig C-3 Work Area Ketchikan
 Location Upper Karta River system Watershed Length 6 miles
 Drainage Area of Watershed _____
 Water Supply Type Two very small lakes, precipitation and runoff.

Trails & Survey Routes Not walked.

Aerial Survey Notes Stream is open and wide enough to get good surveys from the air. Too long to walk.

Anchorage Off the mouth of the Karta River. Planes land in both Salmon and Little Lakes.

Tide Stage When Surveyed N/A - above a lake system.

FISHERY RESOURCES

Commercial Fisheries Sockeye, coho and possibly pink and chum.

Escapement 8-20-73 = 3 schools off mouth: 8-15-71 = 1,500 sockeye at mouth.

Available spawning area - 51,504 M²

Species Composition Unknown, but should be primarily sockeye and coho.

Timing Early for sockeye and late for other species.

Schooling areas Off the mouth and in pools in the stream.

Shellfish Potential N/A

Sport Fisheries Unknown, but could be or has the potential of being very good.

Land Use at Present Sport fishing off the mouth and in Salmon Lake.

History of Land Use Sport fishing.

Rehabilitation Potential None - unless the possibility exists for increasing the sockeye and coho run here.

Soils Appeared to be stable.

GAME RESOURCES

Bear -----	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
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	N/A
Tide flats -	Estimate length along beach	N/A
	Estimate depth out from beach	N/A
	Eel grass present on what percent of flats	N/A

PEAK ESCAPEMENT RECORD

NAME: McGillvray Creek

STREAM CATALOG NUMBER: 102-60-89

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Sept. 11, 1965	3,200			500 fish intertidally. Vis. fair Good looking stream (H)
Sept. 1, 1966			1,600 reds	
Aug. 15, 1971			1,500 reds	Vis. fair - turbulence (A)
Aug. 20, 1973				3 schools. Vis. good (A)
Aug. 30, 1974	2,085			Estimate 2,500-3,000 fish in the entire creek (F)

Name Andersen Creek Catalog No. 102-60-90
 Latitude N 55° 34' 38" WR No. _____
 Longitude W 132° 42' 27" K No. _____
 Geodetic Map No. Craig C-3 Work Area Ketchikan
 Location Upper Karta River system Watershed Length 7 miles
 Drainage Area of Watershed _____
 Water Supply Type Shallow lakes and precipitation

Trails & Survey Routes Not walked.

Aerial Survey Notes The stream is open and wide enough to get good surveys from the air. Too long to walk.

Anchorage Off the mouth of the Karta River, planes can land in both Salmon and Little Salmon Lakes.

Tide Stage When Surveyed Not applicable - above a lake system.

FISHERY RESOURCES

Commercial Fisheries Sockeye, coho and possibly chum and pink

Escapement 8-20-73 = 4,500 (unidentified) off the mouth : 8-15-71 = 300 (unidentified) at the mouth Available spawning area - 33,551 M²

Species Composition Unknown but should be primarily sockeye and coho.

Timing Early for sockeye and late for other species.

Schooling areas Off the mouth and pools in the stream.

Shellfish Potential N/A

Sport Fisheries Unknown, but probably limited due to deterrent falls in the lower area.

Land Use at Present Sport fishing off the mouth and in Salmon Lake.

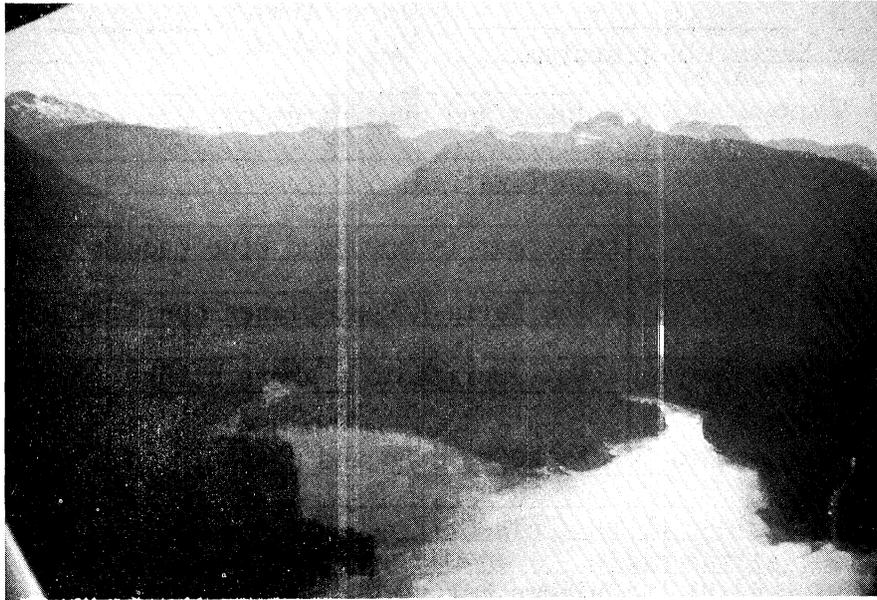
History of Land Use Sport fishing.

Rehabilitation Potential None - unless the possibility exists for increasing the sockeye and coho run here.

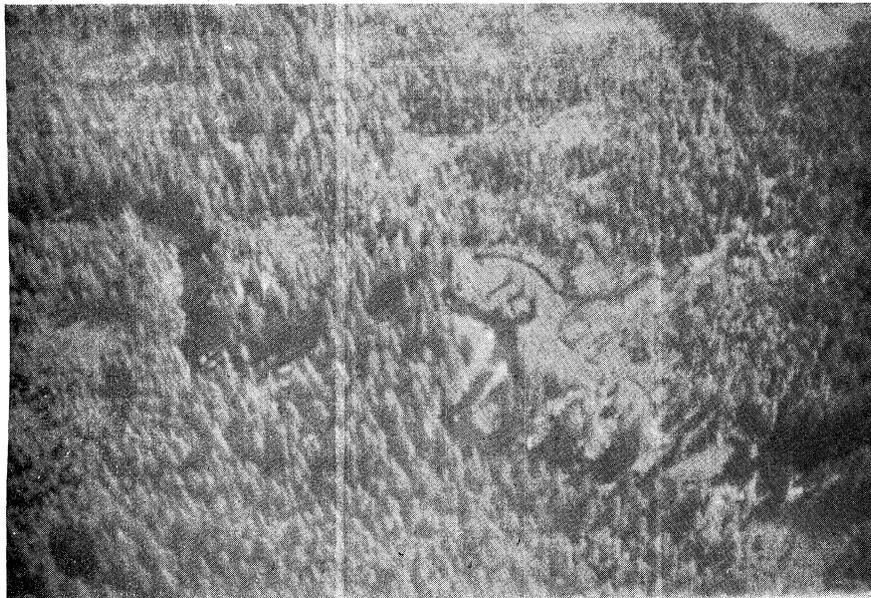
Soils Appeared to be stable.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	0
Geese -----	Number seen on tide flats	15
	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	N/A
Tide flats -	Estimate length along beach	N/A
	Estimate depth out from beach	N/A
	Eel grass present on what percent of flats	N/A



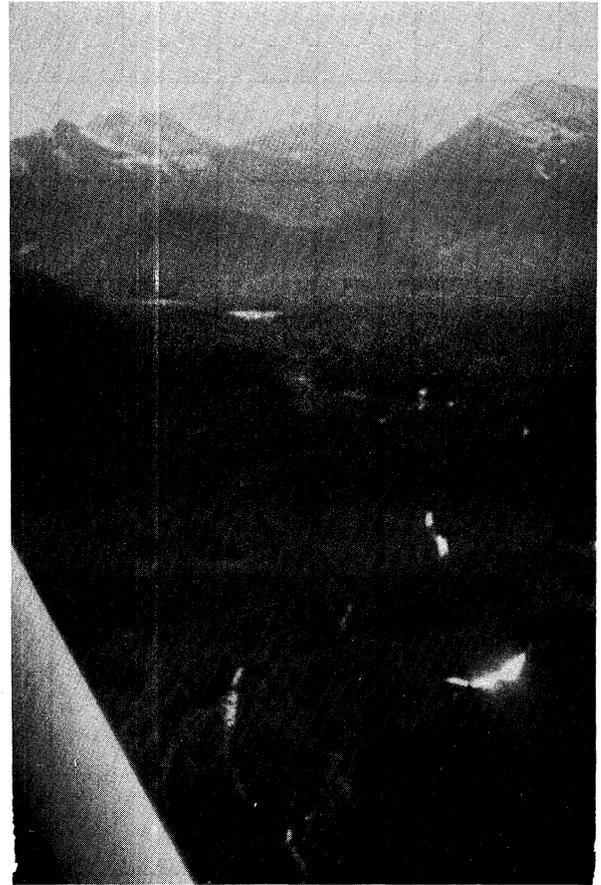
Karta River
mouth of Anderson Creek



Karta River
lower Anderson Creek

Karta River

Anderson Creek



Karta River

McGilvery Creek

PEAK ESCAPEMENT RECORD

NAME: Anderson Creek

STREAM CATALOG NUMBER: 102-60-90

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Aug. 15, 1971				300 fish intertidally (A)
Aug. 20, 1973				4,500 fish intertidally. Vis. good (A)
Aug. 27, 1974	----750-1,000----		43 reds	(F)

above ITZ

Muskeg Colored
Water

Open Park
Alder-Grass

10% Riffle
10% ASA
To End of
Park

Hemlock
Spruce

75% Pools
2-4' Depth
Moderate
Velocity

Hemlock
Spruce

Excellent Gravel
Some Silt

25% Pools
1-2' Depth
Equal to width of
Stream

Area Above Pool Appears
to be an excellent
spawning area
80%

#2
25' Wide
8" Depth
400 Yds.

2'D

Boulders-Rubble

ITZ #1
200 Yds. Long

3-4 Good riffles in the ITZ
gravel 1-2"
50% ASA

Shallow
Pool Area
Slow moving
Water

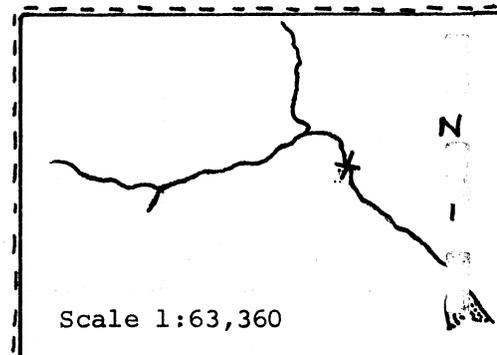
Water flows thru
this Channel
only during high
flows

Grass
Flats

Free Line

Knolls
With 1 Tree

Anchored boat



Name Paul Young Creek Catalog No. 102-60-93
 Latitude 55°35'30" N WR No. 146 A
 Longitude 32° 34' 18" W K No. 179
 Geodetic Map No. Craig C-2 Work Area Ketchikan
 Location Kasaan Bay N.W. Head Watershed Length 8 Miles
 Drainage Area of Watershed 20 square miles
 Water Supply Type Primarily springs with runoff.

Trails & Survey Routes Walk up stream bed for easiest access. Relatively easy route once above first log jam.
 Aerial Survey Notes Due to coloration of the streambed and slightly colored water plus canopy effect, it would appear impractical for aerial.
 Anchorage Skiff may be anchored in area shown on map. Large vessel may anchor 1/4 mile North of island at mouth.
 Tide Stage When Surveyed First half of flood.

FISHERY RESOURCES

Commercial Fisheries Pink salmon major species with Chum and Coho.

Escapement 3,500 Pink Salmon - 1947 1500 at mouth
1 Chum - 1953 Available spawning area - 7,358 M²
 Species Composition Pinks 95%, Chum 2%, Coho 3%.

Timing Middle
 Schooling areas Off mouth of stream near the large island.

Shellfish Potential Limited clam production with unknown crab fishery potential.

Sport Fisheries Coho, Dolly Varden, and Cutthroat potential.
Sighted 5 - 6" Dolly Varden during survey.
 Land Use at Present None

History of Land Use Unknown

Rehabilitation Potential Possible removal of logjam would help facilitate salmon migrations.
 Soils Stable due to low gradient but may experience erosion problems in open park area if land use develops in the area.

GAME RESOURCES

Bear -----	Fish carcasses or bones (<u>old</u> or fresh) on banks, estimate	Many
	Number of droppings	2
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	250 yds.
	Estimate depth out from beach	8'
	Eel grass present on what percent of flats	2%

PEAK ESCAPEMENT RECORD

NAME: Paul Young Creek

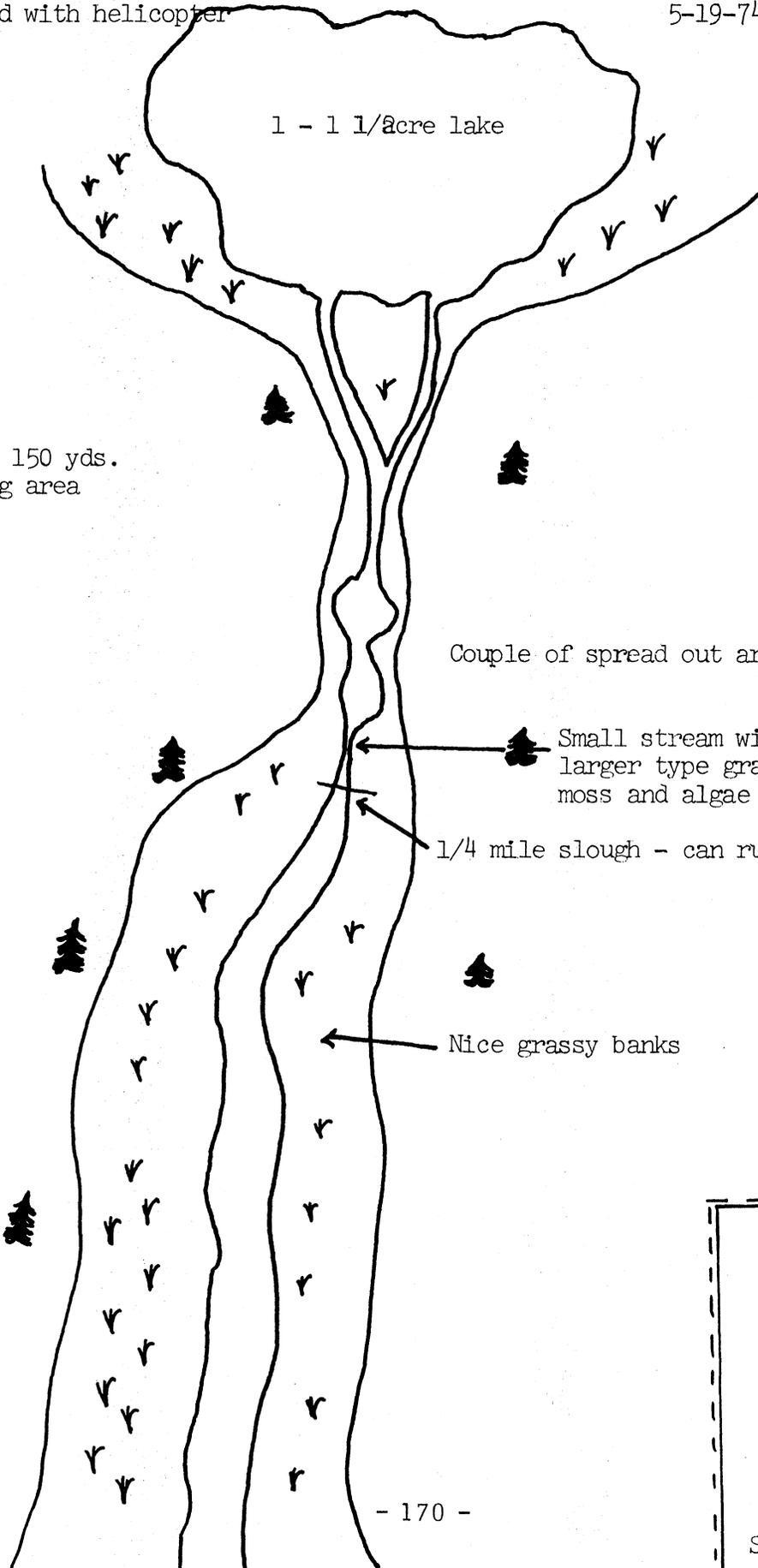
STREAM CATALOG NUMBER: 102-60-93

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Sept. 26, 1940	3,500			Fair. 1,500 fish at mouth (G)
Oct. 8, 1947				Small escapement
Oct. 1, 1953		1		(G)
Sept. 13, 1962	N.O.			Very dark water, vis. poor. (A)
Sept. 27, 1963				Carcasses at mouth, just a few. No sign of live fish. (F)

A beaver dam is located above the lake but not a block to salmon. The stream is slow moving - 8' wide, 3-5' deep. Excellent red salmon potential. Upper lakes vegetated. Coho rearing excellent
 Checked with helicopter

Head Old Mine
 Head Salt Chuck - Karta B J
 102-60-95
 Downey
 5-19-74

Grassy area 150 yds.
 10% spawning area

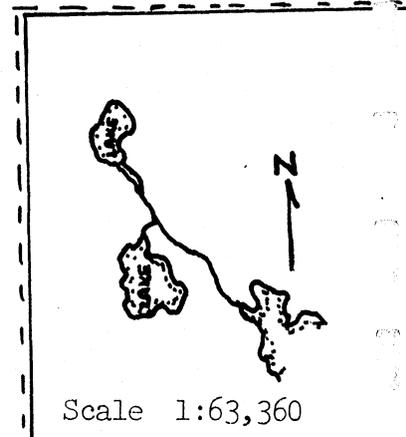


Couple of spread out areas - not pools

Small stream with little potential
 larger type gravel 6-8". Lots of moss and algae

1/4 mile slough - can run boat in at high tide

Nice grassy banks



Scale 1:63,360

Name Head Old Mine Catalog No. 102-60-95
 Latitude N WR No. _____
 Longitude W K No. 180
 Geodetic Map No. Craig C-2 Work Area Ketchikan
 Location Head Salt Chuck - Karta Bay Watershed Length 8.5 miles
 Drainage Area of Watershed _____
 Water Supply Type Precipitation, springs, lake systems

Trails & Survey Routes Short distance walked to the first lake - all open and easy walking.

Aerial Survey Notes All open - water may be darker but could see o.k.

Anchorage There are buildings and an anchorage inside the chuck - chuck does not roar and I believe you can get through at about all but minus tides.

Tide Stage When Surveyed High tide.

FISHERY RESOURCES

Commercial Fisheries Unknown - no escapement recorded.

Escapement None recorded.

Available spawning area - 117 M²

Species Composition Unknown

Timing Unknown

Schooling areas Would be in the long slough area or outside this in the bay.

Shellfish Potential Unknown - could be some potential here with longer and muddier type of intertidal area.

Sport Fisheries Unknown - could be some in the lake systems

Land Use at Present None

History of Land Use Quite a bit of past mining activity in this area.

Rehabilitation Potential None - small stream.

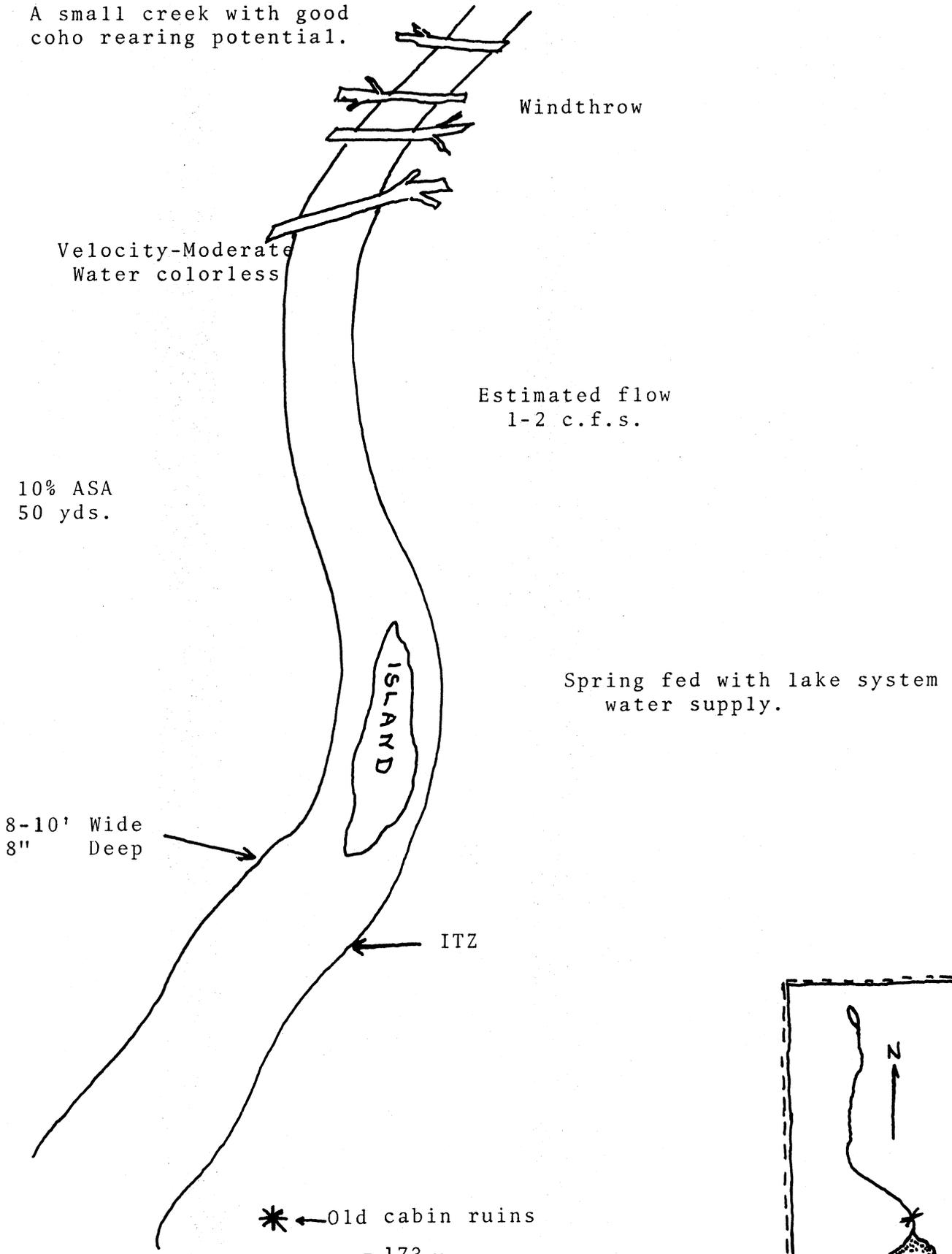
Soils Flat gradient and stable soils to the point we stopped walking.

GAME RESOURCES

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

102-60-97
Poor Man Creek
Kasaan Bay
Novak
May 18, 1974

A small creek with good
coho rearing potential.



* ← Old cabin ruins

Name Poor Man Creek Catalog No. 102-60-97
 Latitude N 55 32' 30" WR No. None
 Longitude W 132 25' K No. 181
 Geodetic Map No. Craig C-2 Work Area Ketchikan
 Location Kasaan Bay-Peninsula Watershed Length _____
 Drainage Area of Watershed 2 square miles (polar planimeter)
 Water Supply Type A small lake is present at the head water also spring water supplement is high.
 Trails & Survey Routes Walk on northeast side of stream when surveying as this is relatively easy walking.
 Aerial Survey Notes Not possible to survey from air due to tree canopy effect.

Anchorage Large boat anchorage at Kasaan. Use skiff to approach creek. Shallow conditions off mouth.
 Tide Stage When Surveyed 1st half of flood

FISHERY RESOURCES

Commercial Fisheries Pink, chum and coho

Escapement Unknown as there is no historic records of escapement.
 Available spawning area - 13 M²

Species Composition Unknown

Timing Late - September
 Schooling areas _____

Shellfish Potential Limited clam fishery with no known dungeness crab fishery

Sport Fisheries Coho, Dolly Varden

Land Use at Present Beach salvage operation at mouth of stream along beach.

History of Land Use Copper mining along creek - "Poor Man Mine". Cabins at mouth of creek.

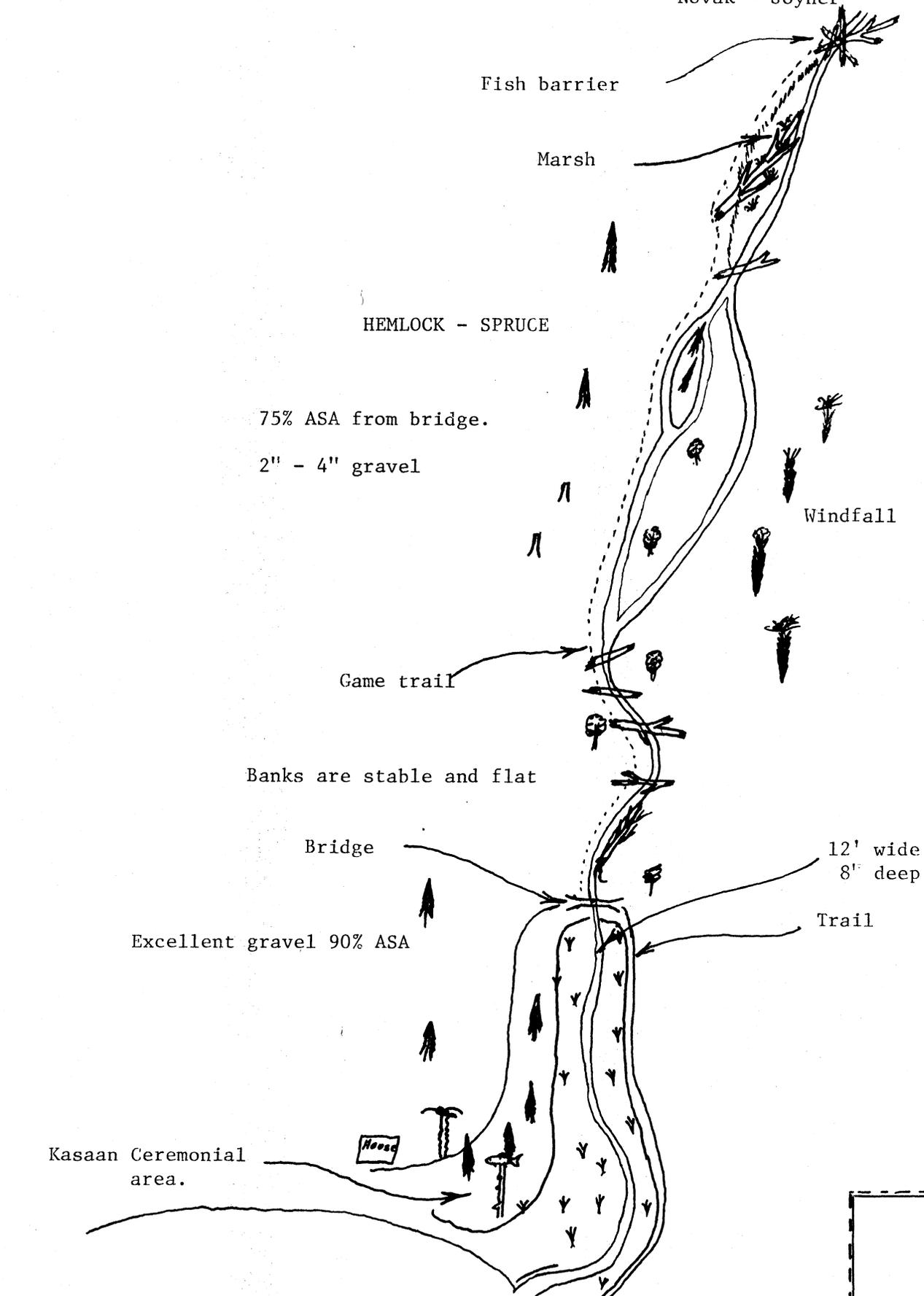
Rehabilitation Potential Windthrow cleanup above the mouth may improve access but because of production potential is not justified.

Soils Stable at present but with land use activity may present problems.

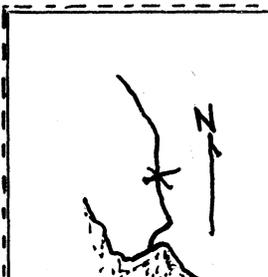
GAME RESOURCES

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

102-60-98
Sunny Hat
Kasaan
Novak - Joyner



Available spawning area - 2,354 M²



ACKNOWLEDGMENTS

Gerry Downey, Pink Salmon Research, provided much of the foot work during field surveys. The catalog library was kept current with the assistance of Sharon Peterson and Karen Crandall. Thanks is also extended to G.L. Finger, June Grant and J.C. McMullen for their assistance in publication and planning.

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