ADF&G TECHNICAL DATA REPORT NO. 30
(Limited Distribution)

STATE OF ALASKA
Jay S. Hammond, Governor

REVISED ANADROMOUS STREAM CATALOG OF SOUTHEASTERN ALASKA

Appendix A - District 1

Volume III

Western Behm Canal and Ketchikan Area Survey Data

By:
John Edgington
and
Robert Larson

1977

ALASKA DEPARTMENT OF FISH AND GAME
Subport Building, Juneau, Alaska 99801

James W. Brooks
Commissioner

REVISED ANADROMOUS STREAM CATALOG OF SOUTHEASTERN ALASKA

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

1977

Appendix A - District 1

Volume III

Western Behm Canal and Ketchikan Area Survey Data

CROSS INDEX OF STREAM NUMBERS

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CROSS INDEX OF STREAM NUMBERS

ADF&G NUMBER	NAME AND/OR LOCATION	PREVIOUS NUMBERS
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CROSS INDEX OF STREAM NUMBERS

ADF&G NUMBER	NAME AND/OR LOCATION	PREVIOUS NUMBERS
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101-90-86	Raymond Creek (Granite Creek)	K57, 53
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SUMMARY STREAM EVALUATIONS

STREAM NAME & NUMBER	AVERAGE WIDTH	LENGTH	FT^2	M^2	PERCENT SPAWNING AREA	SPAWNING AREA - M^2
101-27-19 Dall Creek	12	5,280	63,360	5,886	65	3,825
101-27-23	5	200	1,000	92	20	20
101-27-26	8	400	3,200	297	90	253
	12	2,000	24,000	2,229	75	1,672
					TOTAL	1,925
101-27-28	19	3,500	66,500	6,178	50	3,089
101-27-30	LIMITED SPAWNING/REARING					
101-27-36 Bostwick below falls	60	7,500	450,000	41,805	50	20,900
right fork	20	20,000	400,000	37,160	10	3,716
left fork	30	20,000	600,000	55,740	10	5,574
					TOTAL	30,190
101-27-40	8	900	7,200	669	35	234
101-27-50					estimate	100
101-27-52					estimate	30
101-27-56	20	600	12,000	1,114	20	220
101-27-61 Blank Creek	50	100	5,000	465	25	116
	30	200	6,000	557	50	279
					TOTAL	395
				TOTAL 101-27		40,028
101-29-06 Vallenar Creek	30	20,000	600,000	55,740	50	27,870
101-29-11 Grant Creek	12	600	7,200	668	50	
	11	4,500	49,500	4,598	60	
					TOTAL	3,100
101-29-17	8	1,000	8,000	743	50	371
101-29-29	20	1,000	20,000	1,858	50	929
101-29-35	10	4,000	40,000	3,716	50	1,858
				TOTAL 101-29		34,128

SUMMARY STREAM EVALUATIONS

STREAM NAME & NUMBER	AVERAGE WIDTH	LENGTH	FT^2	M^2	PERCENT SPAWNING AREA	SPAWNING AREA - M^2
101-41-05	SPAWNING LIMITED TO MARGINS OF ITZ				estimate	200
101-41-10	LIMITED SPAWNING AREA					
101-41-12 Hd. Coho Cove	20	600	12,000	1,115	60	669
101-41-14	LIMITED SPAWNING					
101-41-18	LIMITED SPAWNING/REARING					
101-41-25	30	5,280	158,400	14,715	50	7,358
101-43-05 Moth Bay Creek	11	1,100	12,100	1,124	30	337
101-43-09	20	1,200	24,000	2,230	80	1,784
101-43-15	15	375	5,625	523	50	261
101-43-16	15	150	2,250	209	20	42
101-43-18	18	220	3,960	368	60	220
101-43-19	LIMITED SPAWNING/REARING					
101-43-20	9	660	5,940	552	40	221
101-43-21	8	250	2,000	186	30	56
101-43-23	21	200	4,200	390	50	195
101-43-25	LIMITED SPAWNING, GOOD REARING					
101-43-26	LIMITED SPAWNING/REARING					
101-43-29					estimate	350
101-43-32	13	300	3,900	362	30	109
101-43-33 Fish Creek					estimate	6,000
101-43-41 Gokachin Creek	37	7,920	293,040	27,223	60	16,334
101-43-47	12	2,640	31,680	2,943	75	2,207
101-43-51	12	1,320	15,840	1,472	90	1,324
101-43-52	8	1,320	10,560	981	80	785

SUMMARY STREAM EVALUATIONS

STREAM NAME & NUMBER	AVERAGE WIDTH	LENGTH	FT^2	M^2	PERCENT SPAWNING AREA	SPAWNING AREA - M^2
101-43-53	20	1,320	26,400	2,453	30	736
101-43-54	15	600	9,000	836	10	84
101-43-57	LIMITED SPAWNING/REARING					
101-43-59	LIMITED SPAWNING/REARING					
101-43-63	30	5,280	158,400	14,715	40	5,886
				TOTAL 101-43		36,931
101-45-07	10	900	9,000	836	80	669
	5	300	1,500	139	50	70
					TOTAL	739
101-45-16 Mahoney Creek	75	250	18,750	1,742	60	1,045
101-45-19	30	600	18,000	1,672	60	1,003
101-45-21	LIMITED SPAWNING/REARING					
101-45-24 White River	50	15,000	750,000	69,675	50	35,000
101-45-30	15	100	1,500	139	40	60
101-45-32 Leask Creek	30	5,000	150,000	13,935	66	9,197
101-45-34	6	225	1,350	125	65	82
101-45-38 Salt Chuck	90	800	72,000	6,689	70	4,682
101-45-40	15	400	6,000	557	40	223
101-45-42	40	2,640	105,600	9,810	70	6,867
101-45-44	10	100	1,000	93	30	28
	6	450	2,700	251	30	75
	6	600	3,600	334	10	33
					TOTAL	136
101-45-46					estimate	10
101-45-48					estimate	15
101-45-50	36	1,320	47,520	4,415	10	441

SUMMARY STREAM EVALUATIONS

STREAM NAME & NUMBER	AVERAGE WIDTH	LENGTH	FT^2	M^2	PERCENT SPAWNING AREA	SPAWNING AREA - M^2
101-45-52	INTERMITTENT					
101-45-53	LIMITED SPAWNING/REARING					
101-45-57	LIMITED SPAWNING/REARING					
101-45-59	15	3,300	49,500	4,459	75	3,450
101-45-60	LIMITED SPAWNING/REARING					
101-45-61	10	2,640	26,400	2,453	45	1,104
101-45-62	LIMITED SPAWNING/REARING					
101-45-64	10	100	1,000	93	40	37
101-45-65	LIMITED SPAWNING/REARING					
101-45-67	35	500	17,500	1,626	60	975
101-45-69					estimate	20
101-45-71	10	400	4,000	372	50	186
101-45-73 Gunsight Creek	23	2,640	60,720	5,641	35	1,974
101-45-75 Nigelius Creek	30	5,280	158,400	14,715	50	7,358
101-45-76	LIMITED SPAWNING/REARING					
101-45-78 Carroll River	90	10,000	900,000	83,610	50	41,800
101-45-80	LIMITED SPAWNING/REARING					
101-45-82	LIMITED SPAWNING/REARING					
101-45-84 Licking Creek	45	7,500	337,500	31,354	30	9,406
101-45-85 Calamity Creek	LIMITED SPAWNING/REARING					
101-45-86	LIMITED SPAWNING/REARING					
101-45-87	40	800	32,000	2,973	60	1,784
101-45-88	50	200	10,000	929	80	743

SUMMARY STREAM EVALUATIONS

STREAM NAME & NUMBER	AVERAGE WIDTH	LENGTH	FT^2	M^2	PERCENT SPAWNING AREA	SPAWNING AREA - M^2
101-45-89	LIMITED SPAWNING/REARING					
101-45-90	LIMITED SPAWNING/REARING					
101-45-92	35	600	21,000	1,951	50	975
101-45-94					estimate	9,000
101-45-96	LIMITED SPAWNING					
101-45-97	24	150	3,600	334	40	134
101-45-99					estimate	3,000
				TOTAL 101-45		110,052
101-47-14 Whipple Creek	30	200	6,000	557	70	390
101-47-15 Ward Lake	31	4,000	124,000	11,520	25	2,880
	60	5,000	300,000	27,870	45	12,542
	35	600	21,000	1,951	70	1,366
	28	600	16,800	1,561	60	936
					TOTAL	17,723
101-47-17 Carlanna Creek	10	250	2,500	232	40	93
101-47-18	LIMITED SPAWNING/REARING					
101-47-19 Hoadley Creek	17	200	3,400	316	20	63
101-47-25 Ketchikan Creek	40	150	6,000	557	60	334
	40	2,500	100,000	9,290	50	4,645
Schoenbar Creek						176
					TOTAL	5,155
101-47-30 Saxman Creek	10	150	1,500	139	50	70

SUMMARY STREAM EVALUATIONS

STREAM NAME & NUMBER	AVERAGE WIDTH	LENGTH	FT^2	M^2	PERCENT SPAWNING AREA	SPAWNING AREA - M^2
101-47-32	LIMITED SPAWNING/REARING					
101-47-35						80
101-47-40	10	2,640	26,400	2,453	50	1,226
101-47-45	10	1,850	18,500	1,719	30	516
101-47-50	20	500	10,000	929	40	372
101-47-55	15	600	9,000	836	50	418
101-47-60	9	1,320	11,880	1,104	60	662
101-47-65	9	1,000	9,000	836	35	293
101-47-70					estimate	10
				TOTAL 101-47		27,071
101-80-03 Cow Creek	80	4,000	320,000	29,728	45	13,378
101-80-05 Beaver Creek	50	500	25,000	2,323	30	697
101-80-09	LIMITED SPAWNING/REARING					
101-80-11	LIMITED SPAWNING/REARING					
101-80-12	LIMITED SPAWNING/REARING					
101-80-13	LIMITED SPAWNING/REARING					
101-80-14 Hassler Creek	10	600	6,000	557	20	111
101-80-15 Klam Creek	20	150	3,000	279	60	
	15	100	1,500	139	25	
					TOTAL	202
101-80-20 Klu Creek	25	600	15,000	1,394	70	975
101-80-23	LIMITED SPAWNING/REARING					
101-80-28 Gedney Creek	9	400	3,600	334	10	33
101-80-34	20	200	4,000	372	40	149
101-80-36	35	400	14,000	1,301	60	780
101-80-38	22	900	19,800	1,839	48	883

SUMMARY STREAM EVALUATIONS

STREAM NAME & NUMBER	AVERAGE WIDTH	LENGTH	FT^2	M^2	PERCENT SPAWNING AREA	SPAWNING AREA - M^2
101-80-40	30	5,000	150,000	13,935	10	1,394
Wasta Creek	68	2,640	179,520	16,677	25	4,169
	45	10,000	450,000	41,805	65	27,173
					TOTAL	32,736
101-80-50	30	10,560	316,800	29,431	60	17,658
	40	200	8,000	743	50	372
				(X.9)	TOTAL	16,227
101-80-52	15	800	12,000	1,115	50	557
101-80-56	10	1,000	10,000	929	30	279
101-80-60	30	5,000	150,000	13,935	50	7,000
101-80-63	15	2,640	39,600	3,679	50	1,839
	10	100	1,000	93	60	56
	5	50	250	23	60	14
					TOTAL	1,909
101-80-64	INTERMITTENT					
101-80-66	15	3,000	45,000	4,181	70	2,926
101-80-68	90	2,000	180,000	16,722	80	13,378
Yes River	50	3,500	175,000	16,258	35	5,690
101-80-70					TOTAL	19,068*
101-80-73	80	1,000	80,000	7,432	15	1,115
Shelokum Creek						
101-80-75	LIMITED SPAWNING/REARING					
101-80-77	LIMITED SPAWNING/REARING					
101-80-79	LIMITED SPAWNING/REARING					
101-80-81	LIMITED SPAWNING/REARING					
101-80-84	40	1,350	54,000	5,017	40	
Short Creek	40	450	18,000	1,672	60	
					TOTAL	3,010
101-80-85	LIMITED SPAWNING/REARING					
101-80-86	14	900	12,600	1,171	50	585
Sprig Creek						
101-80-88	LIMITED SPAWNING/REARING					
101-80-91	LIMITED SPAWNING/REARING					

* Spawning area for 101-80-70 only.

SUMMARY STREAM EVALUATIONS

STREAM NAME & NUMBER	AVERAGE WIDTH	LENGTH	FT^2	M^2	PERCENT SPAWNING AREA	SPAWNING AREA - M^2
101-80-93 Kingsfisher Creek	10	900	9,000	836	20	167
101-80-95	LIMITED SPAWNING/REARING					
101-80-99 Bell Creek	15	900	13,500	1,254	20	
	25	1,350	33,750	3,135	60	
					TOTAL	2,132
				TOTAL 101-80		104,919
101-90-02	10	200	2,000	186	75	139
101-90-03	25	400	10,000	929	20	186
	25	700	17,500	1,626	30	488
					TOTAL	674
101-90-05	10	600	6,000	557	10	56
101-90-06	15	1,320	19,800	1,839	60	1,104
101-90-07	10	180	1,800	167	10	27
101-90-09	LIMITED, PROBABLY INTERMITTENT					
101-90-10	LIMITED, SOME INTERTIDAL					
101-90-11	13	550	7,150	664	25	166
101-90-12	LIMITED SPAWNING/REARING					
101-90-13	10	300	3,000	279	30	84
101-90-14	15	100	1,500	139	40	
	8	150	1,200	111	40	
					TOTAL	100
101-90-15	LIMITED SPAWNING/REARING					
101-90-16	10	70	700	65	70	46
	7	406	2,842	264	35	92
					TOTAL	138
101-90-17	LIMITED SPAWNING/REARING					
101-90-19	10	2,500	25,000	2,323	40	929
101-90-20	13	5,000	65,000	6,049	10	605
101-90-21	6	150	900	84	80	67

SUMMARY STREAM EVALUATIONS

STREAM NAME & NUMBER	AVERAGE WIDTH	LENGTH	FT^2	M^2	PERCENT SPAWNING AREA	SPAWNING AREA - M^2
101-90-22	LIMITED SPAWNING/REARING					
101-90-25	LIMITED SPAWNING/REARING					
101-90-27	5	5,000	25,000	2,323	30	697
101-90-29 Traitors River						27,703+
101-90-33	25	500	12,500	1,161	15	175
101-90-36	5	150	750	70	60	42
101-90-37	20	400	8,000	743	60	
	10	500	5,000	465	60	
					TOTAL	725
101-90-39	70	1,200	84,000	7,804	80	6,243
	40	2,500	100,000	9,290	30	2,787
	15	5,280	79,200	7,358	40	2,943
					TOTAL	11,973
101-90-40	LIMITED SPAWNING/REARING				estimate	30
101-90-41	LIMITED SPAWNING/REARING					
101-90-42	LIMITED SPAWNING/REARING					
101-90-44	LIMITED SPAWNING/REARING					
101-90-46	LIMITED SPAWNING/REARING					
101-90-48	15	800	12,000	1,115	35	390
Loring Creek	30	80	2,400	223	40	89
					TOTAL	479
101-90-50						
Naha River - Roosevelt Lagoon to swinging bridge						
below falls	200	2,000	400,000	37,160	70	27,012
above falls	185	3,000	555,000	51,559	75	38,670
swinging bridge to Jordan Lake	70	5,000	350,000	32,515	20	6,500
inlet to Jordan Lake	80	300	24,000	2,229	80	1,784
Jordan Lake to Heckman Lake	65	5,000	325,000	30,192	25	7,548
Heckman Lake inlet						
upper	50	700	35,000	3,251	40	1,301
lower	75	300	22,500	2,090	75	1,568
					TOTAL	83,383

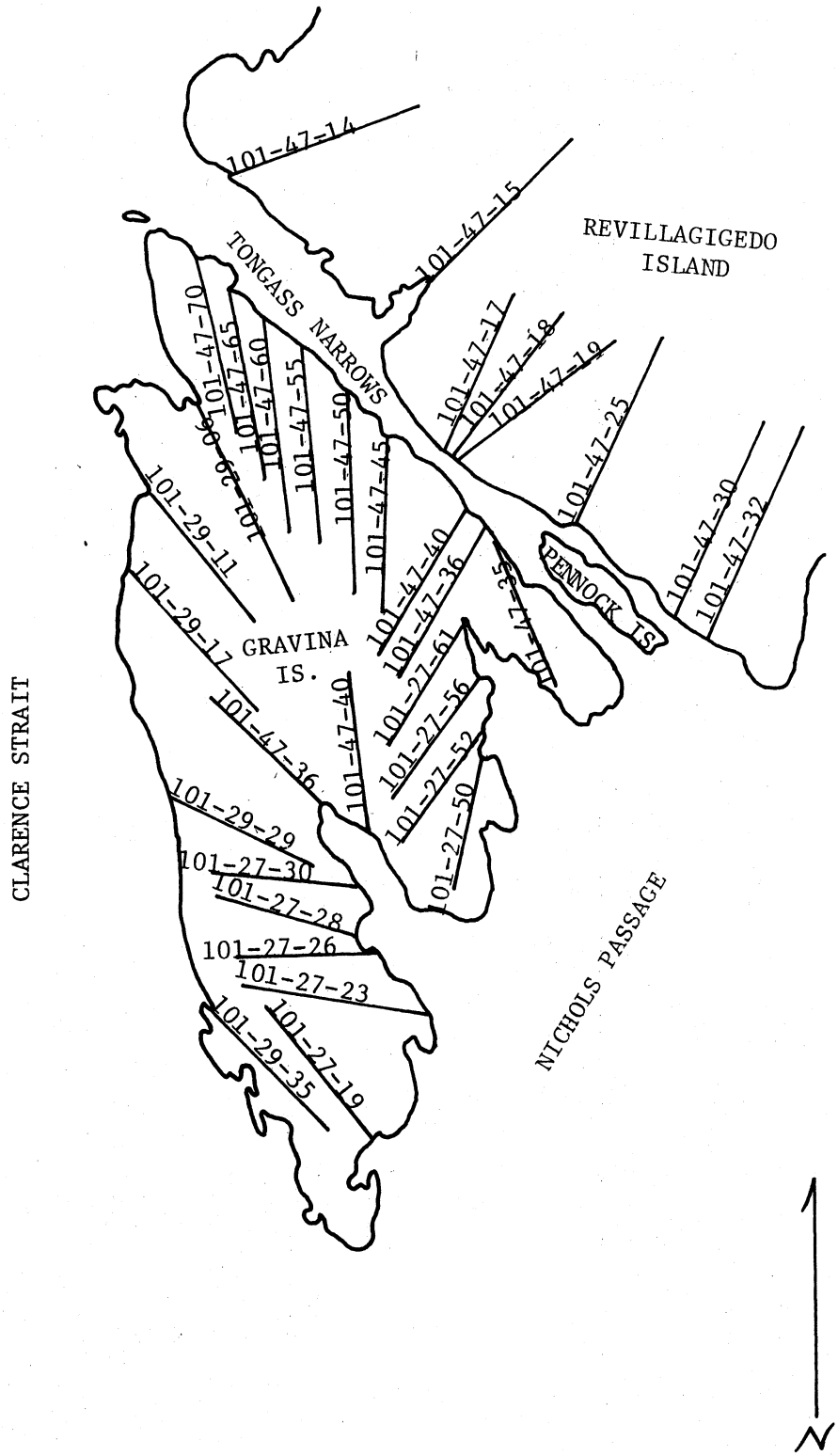
SUMMARY STREAM EVALUATIONS

STREAM NAME & NUMBER	AVERAGE WIDTH	LENGTH	FT^2	M^2	PERCENT SPAWNING AREA	SPAWNING AREA - M^2
101-90-52 Steelhead Creek	25	3,960	99,000	9,197	80	7,358
101-90-59 Kline Creek					estimate	25
101-90-60 Wolf Creek	18	900	16,200	1,505	25	376
	30	300	9,000	836	30	251
					TOTAL	627
101-90-61 Moser Creek	25	2,000	50,000	4,645	80	3,716
	20	900	18,000	1,672	20	334
					TOTAL	4,050
101-90-62					estimate	75
101-90-63	LIMITED SPAWNING/REARING					
101-90-64					estimate	20
101-90-65	LIMITED SPAWNING/REARING					
101-90-66	5	400	2,000	186	70	130
101-90-67 Sande's Creek	17	2,640	44,880	4,169	35	1,459
101-90-68 Lunch Creek	35	200	7,000	650	15	98
191-90-69 2nd Waterfall Cr.	LIMITED SPAWNING/REARING					
101-90-70 1st Waterfall Cr.	LIMITED SPAWNING/REARING					
101-90-71	20	2,640	52,800	4,905	60	2,943
101-90-72	8	4,752	38,016	3,532	40	1,413
101-90-73	9	1,980	17,820	1,655	45	745
101-90-74	15	2,640	39,600	3,679	40	1,472
	7	1,320	9,240	858	25	215
	3	150	450	42	50	21
					TOTAL	1,708
101-90-75 Smuggler's	INTERTIDAL				90	

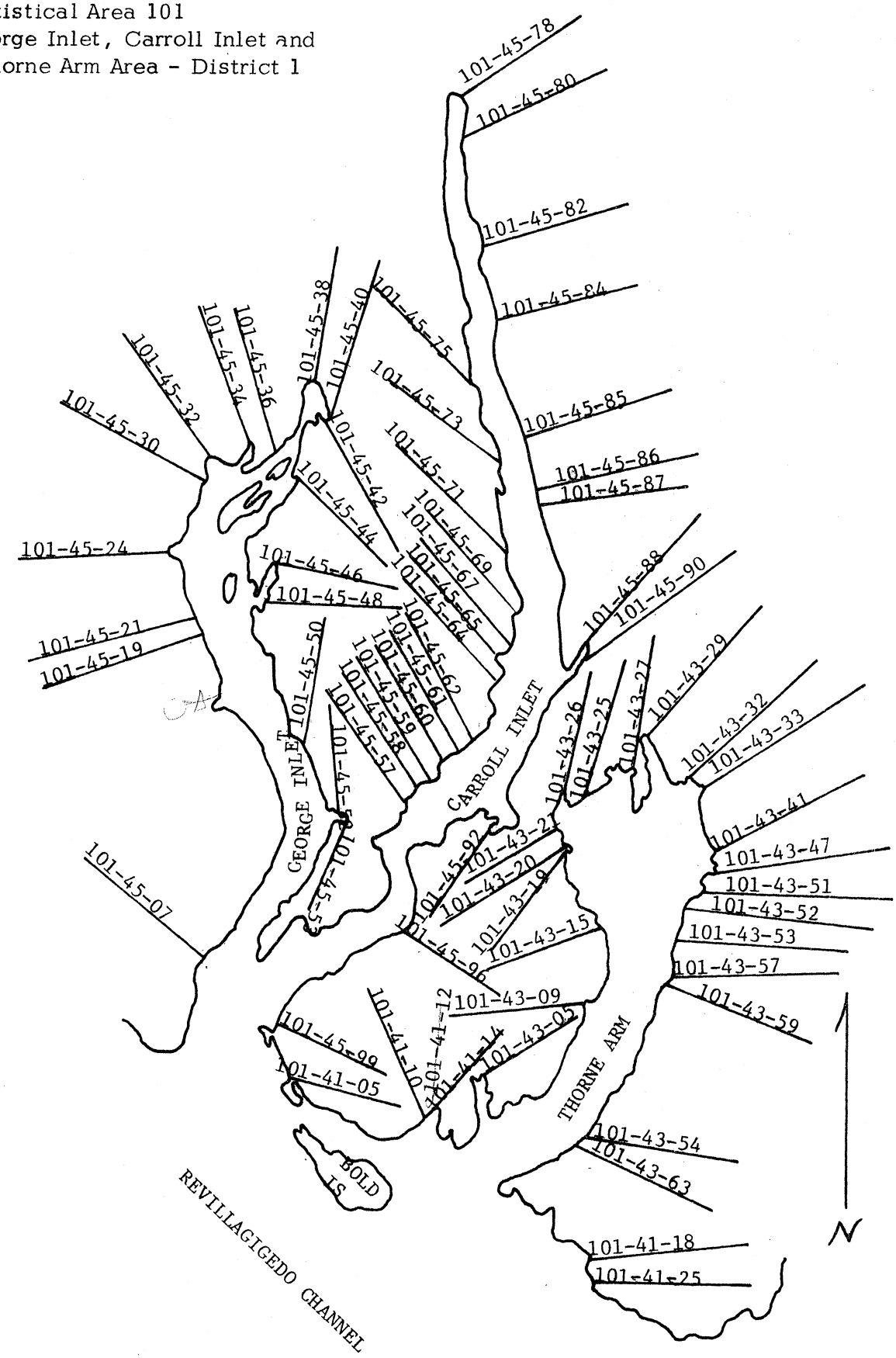
SUMMARY STREAM EVALUATIONS

STREAM NAME & NUMBER	AVERAGE WIDTH	LENGTH	FT^2	M^2	PERCENT SPAWNING AREA	SPAWNING AREA - M^2
101-90-76 Falls Creek	15	1,000	15,000	1,394	50	697
101-90-77 Unnamed Creek	23	500	11,500	1,068	30	321
101-90-78 Gold Standard Creek	58	600	34,800	3,233	50	1,616
101-90-80 Helm Bay Head	27	9,240	249,480	23,177	50	11,588
101-90-82	6	200	1,200	111	60	67
	5	200	1,000	93	50	46
					TOTAL	113
101-90-83	13	2,640	34,320	3,188	47	1,499
101-90-84	17	8,448	143,616	13,342	30	4,003
101-90-85	10	300	3,000	279	50	139
101-90-86 Granite Creek	65	1,000	65,000	6,039	60	3,623
	30	2,640	79,200	7,358	20	1,472
	40	1,000	40,000	3,716	50	1,858
	30	1,320	39,600	3,679	35	1,288
					TOTAL	8,241
101-90-88	8	1,500	12,000	1,115	27	301
101-90-89	25	1,000	25,000	2,323	50	1,161
101-90-90	40	200	8,000	743	70	520
101-90-92	85	4,800	408,000	37,903	90	34,113
	85	1,200	102,000	9,476	35	332
	41	600	24,600	2,285	60	1,371
					TOTAL	36,801
101-90-96 Heckman Creek	25	2,640	66,000	6,131	45	2,759
101-90-97	LIMITED SPAWNING/REARING					
101-90-98	LIMITED SPAWNING/REARING					
101-90-99	LIMITED SPAWNING/REARING					
101-90-101	LIMITED SPAWNING/REARING				TOTAL 101-90	221,427

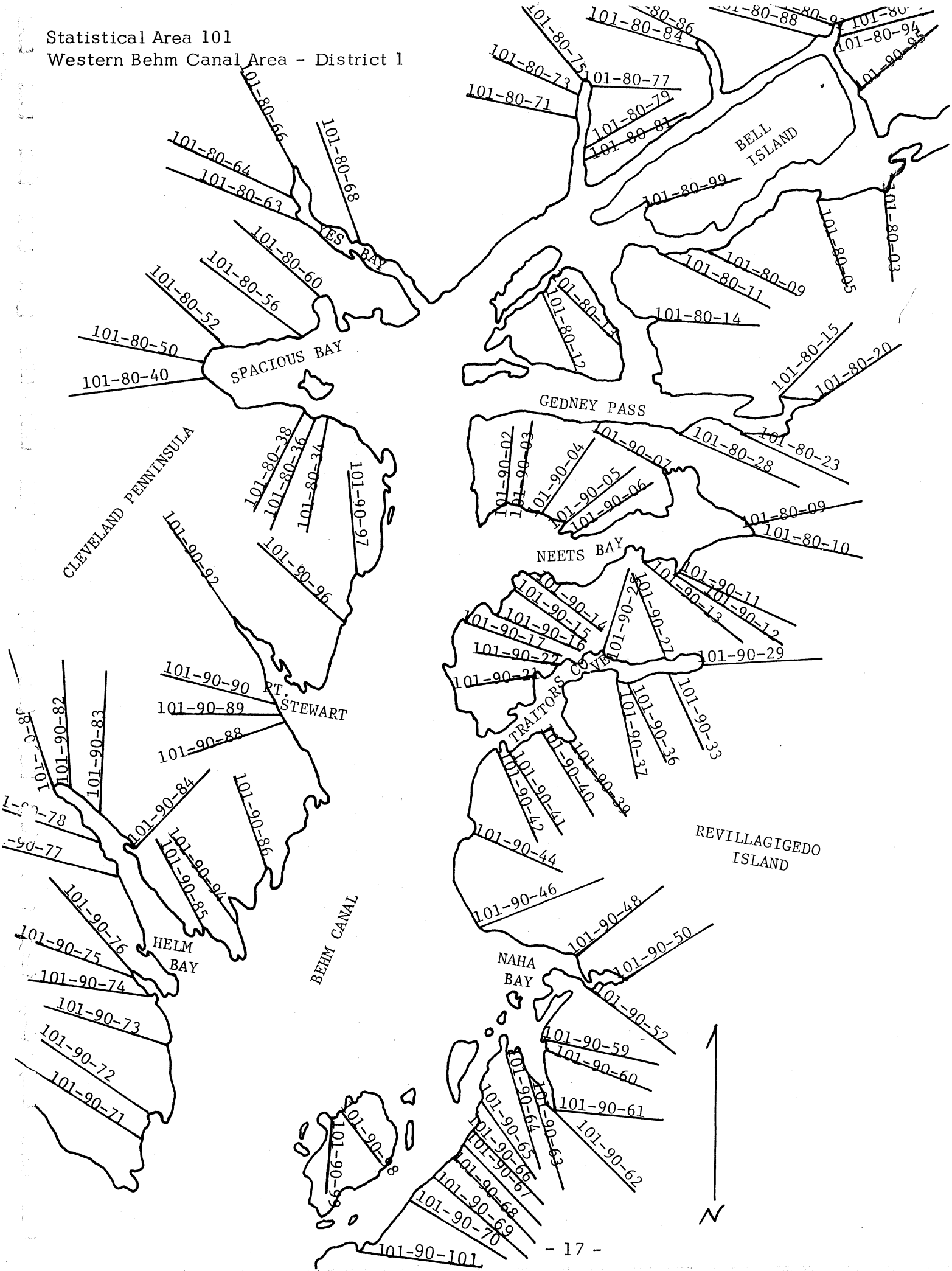
Statistical Area 101
Tongass Narrows and Gravina Island - District 1



Statistical Area 101
George Inlet, Carroll Inlet and
Thorne Arm Area - District 1



Statistical Area 101
Western Behm Canal Area - District 1



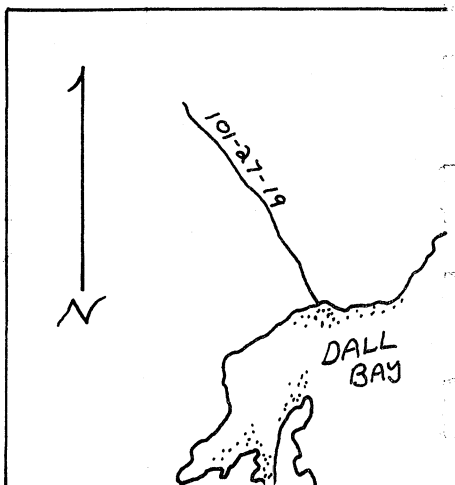
101-27-19
Larson, Jackinsky
11-10-76

Mossy overhanding banks.
Flagging up the hill
ASA 60%
8' wide
Slough
Clay bank 3'
Gravel cutbanks 15'
slide
ASA 50% - 10' wide
20% rubble
mud substrate
Pool with sandy bottom
Steep gravel bank.
Orange flagging along stream.

WEATHER: Partly cloudy, 49°F.
STREAM: pH 8.0, 44°F., 8 cfs, Clear/colorless.
TREES: Spruce/hemlock
SLOPES: Moderate to steep

10' W
Creek much smaller by this point.
Mossy bedrock bank.
Trib.
Rounded gravel
30' wide
Big spruce
ASA 70%
15' wide
Sparse moss - signs of higher water.
Many side channels - Log jam
10% rubble
some sand
Coarse 3-8" gravel.
75% ASA
20' wide
295 salmon (pink & chum) remains along creek (mostly pink)
Heavy odor of rotting fish. Bedrock bank, overhanging, grassy.
Deer tracks
ITZ
Gravel fine to 8". 50% coarse.

Stream very small
Log jam, falls
Mossy pool
Cascades
25% ASA 5' wide
50% rubble
50% pools
Falls 3'
ASA 30%
5'Wide
Trib.
Cascade 4'
Rubble & coarse gravel
Bedrock showing up.
Red flagging
40% ASA - 8' wide
Mostly rubble banks
ASA 50% 8' wide
30% rubble
Mossy banks
Small trib.
Little algae
Slide (red shale)
Pools behind logs
Gravel cutbank
50% ASA
10' wide
Coarse gravel (3"-8") 70% rubble, 20% sand, 10%



Name: Dall Creek
Latitude: 55 09 50
Longitude: 131 44 23
Geodetic Map No: Ketchiakn A-6
Location: North side Dall Bay, Gravina Island.

Catalog No: 101-27-19
Former Stream No: K117B, Previous No, 116A

Work Area: Ketchikan
Watershed Length: 2.3 miles
Drainage Area: 2.5 sq. miles
Water Supply Type: Runoff, muskeg

Trails & Survey Routes: Streambed easily walked.

Aerial Survey Notes: Except for tidal portion, stream has fairly dense overhead cove, lies in a narrow valley - not normally surveyed by air.

Anchorage: Dall Bay, west of stream mouth.

Tide Stage when Surveyed: High

RESOURCES

COMMERCIAL FISHERIES (species, escapement, timing, spawning area): Pink, chum. Timing late (Sept-Oct). Spawning area: 3825 m^2 (5280'x12'x65% ASA). Rearing available in pools and side eddies but no coho fry or adults observed.

Schooling Areas: Several pools in lower stream.

Spawning Areas: Good gravel riffles throughout surveyed portion.

SHELLFISH POTENTIAL: Crabs in Dall Bay, clams on flats off mouth.

SPORT FISHERIES: None

LAND USE (history, present, proposed): Fairly close to Ketchikan and Metlakatla, observed signs of intensive surveys (tapes, blazes on trees) during survey of 11-10-76.

REHABILITATION POTENTIAL: None needed.

SOILS: Appeared stable except for land slides and gravel banks.

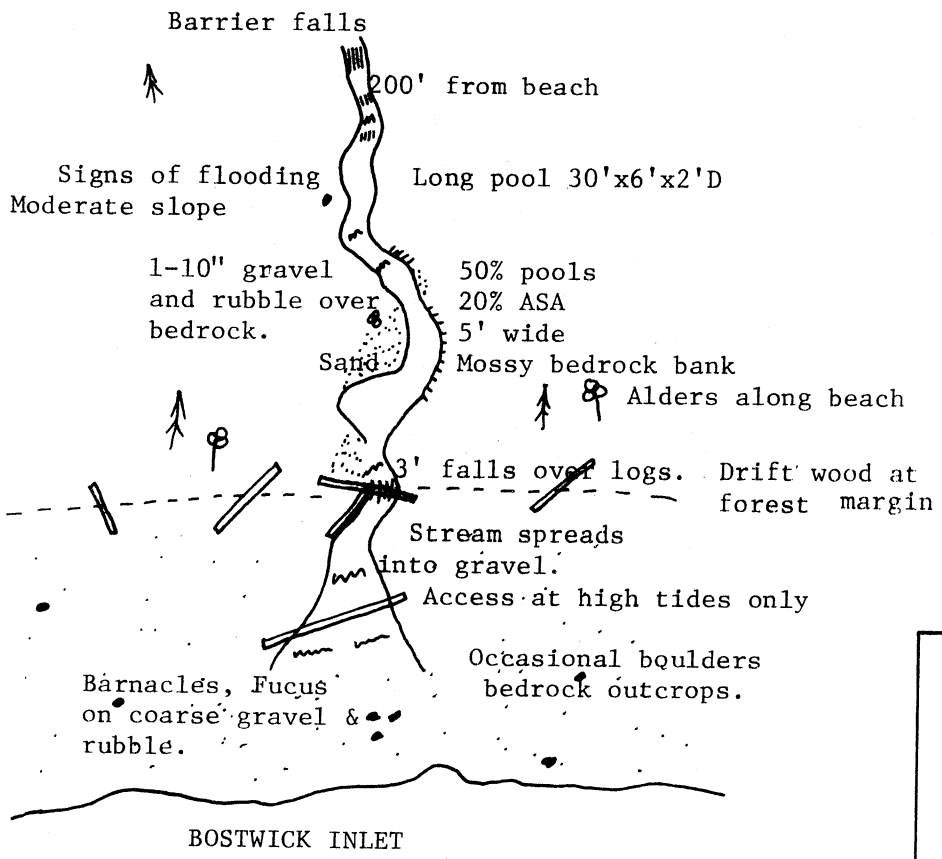
GAME RESOURCES (species, use, habitat): Many salmon bones on bank. Trails and tracks indicate bear usage. Deer tracks.

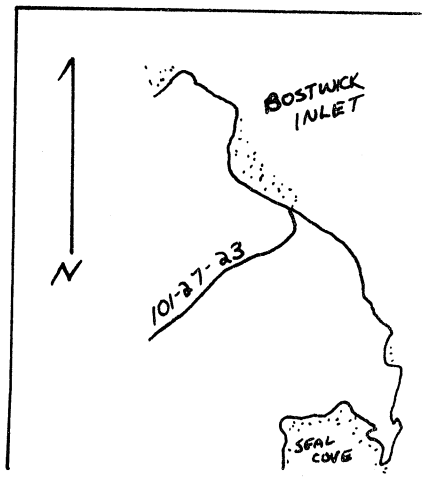
PEAK ESCAPEMENT RECORD

Dall Bay (Head creek)
101-27-19

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
9-8-64				2500 @ mouth. Vis. ex.
9-1-65				Visibility good.
8-26-68				3900 @ mouth. Vis. excellent.
9-9-69				
8-26-70				Visibility poor. 4 schools between Dall Bay & Seal Cove. 300 @ mouth.
8-21-72				1000 @ mouth. Vis. excellent.
8-26-73				75 pink @ mouth. Vis. excellent.
8-13-75				3500 @ mouth. Visibility good.

LOCATION:	W. side Bostwick Inlet 4.4 miles from head.	101-27-23 Larson, Jackinsky 11-10-76
LATITUDE:	55 12 22 Ketchikan A-6	
LONGITUDE:	131 43 32	
WATERSHED:	Length 2.7 miles, area 1.1 sq. mile, runoff, muskeg.	
WEATHER:	50°, overcast, low tide	
STREAM:	48°, pH 7.5, 2 cfs, rapid, light brown/clear	
SPAWNING:	20 m^2 (200'x5'x20% ASA)	
REARING:	Little rearing possibility	
SPECIES:	Pink, chum (if any)	
TREES:	Hemlock/spruce, alder at high tide line	





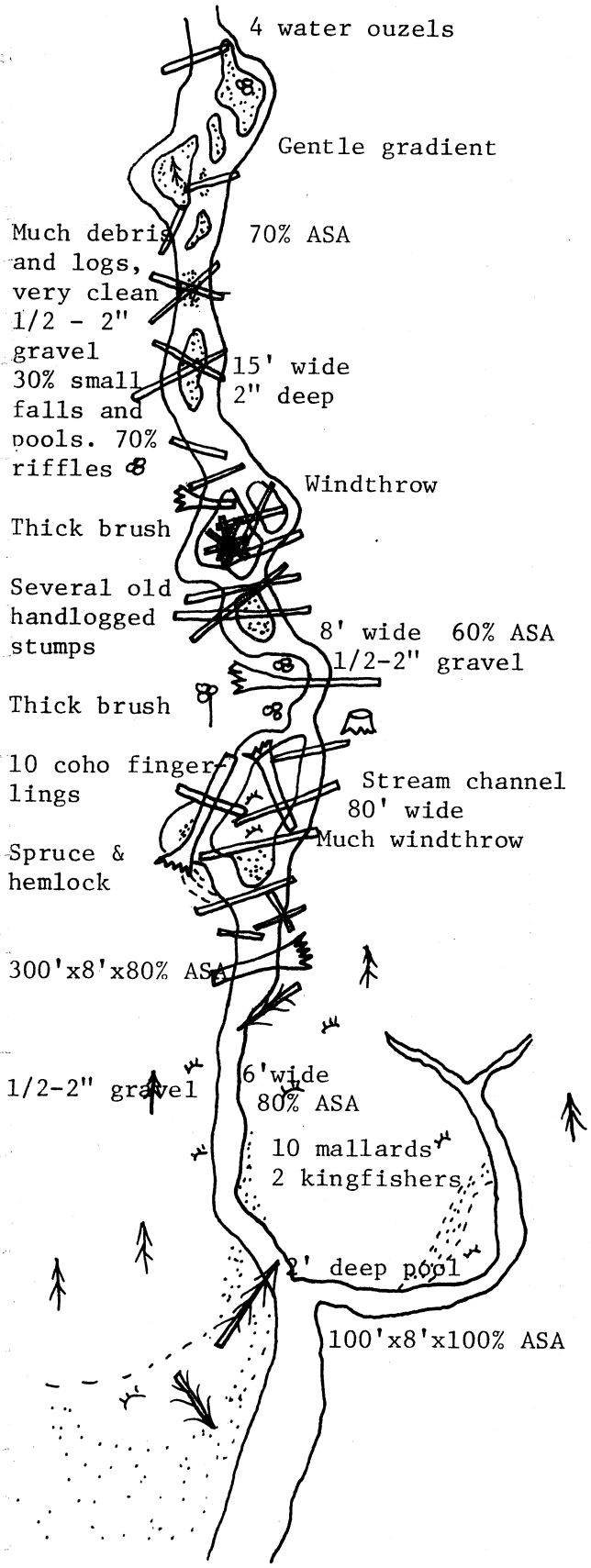
101-27-26. ITZ LOOKING UPSTREAM, 11-10-76.

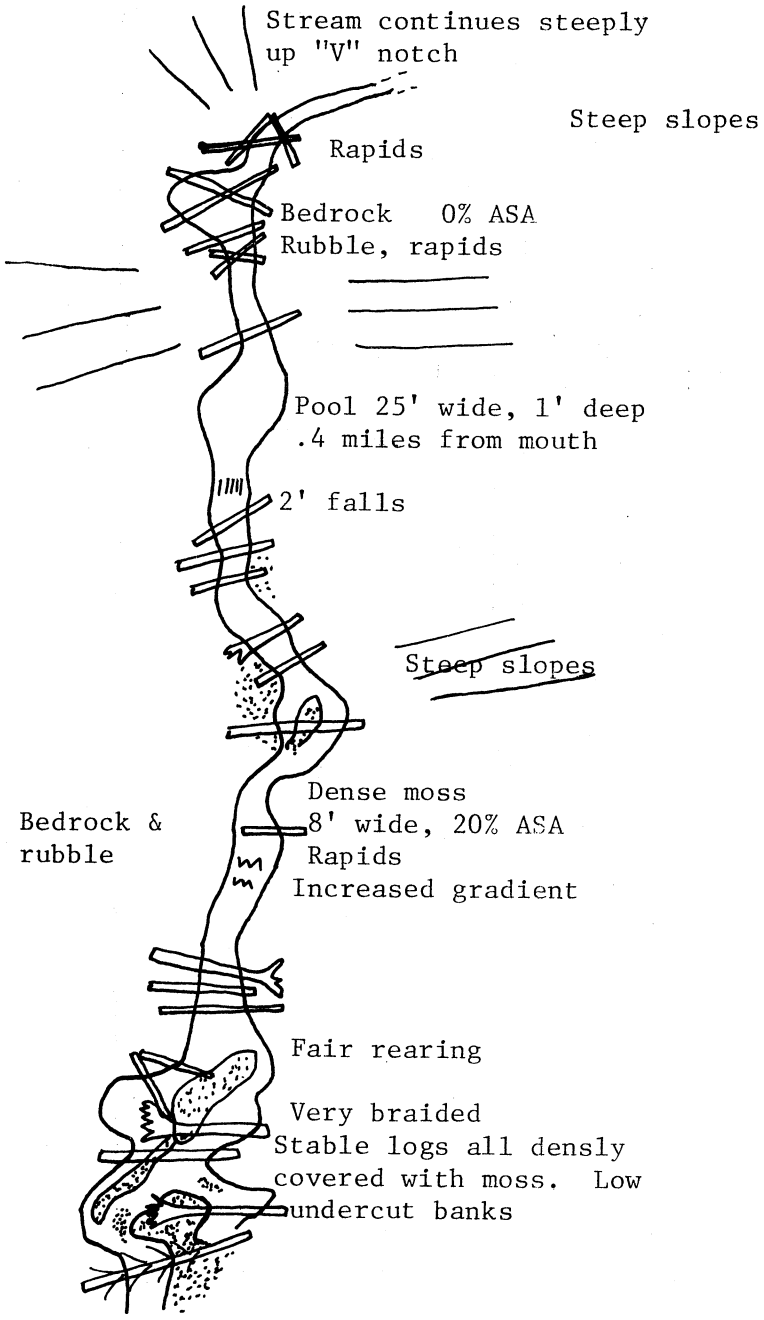
101-27-26. MID STREAM, 11-10-76.

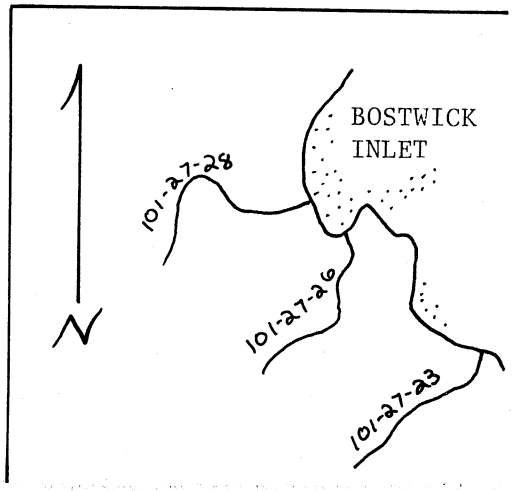
LOCATION: W. side Bostwick Inlet 3.5 miles from head.

101-27-26
Larson
11-10-76

LATITUDE: 55 12 02 Ketchikan A-6
LONGITUDE: 131 44 42
WATERSHED: Length 2.8 miles, area .9 sq. miles, runoff.
SPAWNING 1925 m^2 (400'x8'x 85% ASA) +(2000'x12'x75%ASA)
REARING: Fair
SPECIES: Pink, chum, coho
TIDE: 1/2 flood







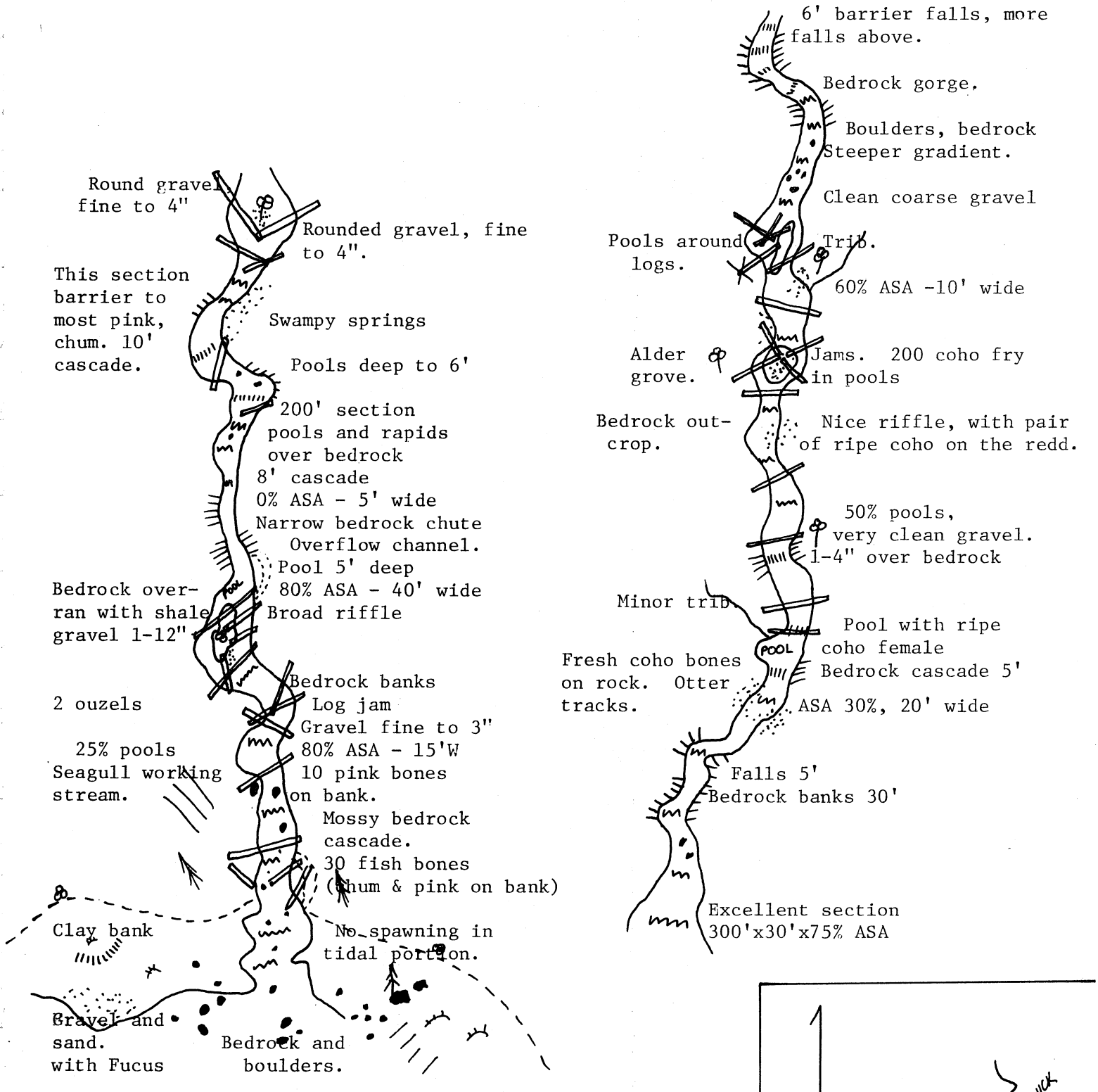
PEAK ESCAPEMENT RECORD

Bostwick (1st left)
101-27-26

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
8-26-71				3000 @ mouth.
8-21-73	6,500			Few chums @ mouth. Vis. fair.

101-27-28
Jackinsky
11-10-76

WEATHER: 47°, overcast
STREAM: pH 7.5, 13 cfs, 43° F.
clear/colorless
TREES: Hemlock, spruce
SLOPE: Gentle except near stream banks which are often steep



10 geese, 7 mallards off mouth.

Name:

Latitude: 55° 13' 04"

Longitude: 131° 44' 48"

Geodetic Map No: Ketchikan A-6

Location: Gravina Island, W. side Bostwick Inlet 3.3 miles from head.

Catalog No: 101-27-28

Former Stream No: none

Work Area: Ketchikan

Watershed Length: 2.5 miles

Drainage Area: 2 sq. miles

Water Supply Type: Lake, pond, runoff

Trails & Survey Routes: Easily walked to barrier.

Aerial Survey Notes: Not aerial surveyed, salmon may be counted from air in shallow cove off mouth.

Anchorage: B9stwick Inlet out from shallow flats.

Tide Stage when Surveyed: 1/2 flood

RESOURCES

COMMERCIAL FISHERIES (species, escapement, timing, spawning area): Pink, chum, coho. Timing late (Sept-Oct). Spawning area: 3089 m^2 (50%x3500'x19') Excellent rearing for coho above first cascade section.

Schooling Areas: Cove off mouth, pool below bedrock section of intertidal area, scattered small pools upstream.

Spawning Areas: Good clean gravel riffles throughout accessible portion.

SHELLFISH POTENTIAL: Dungeness crabs, clams in Bostwick Inlet.

SPORT FISHERIES: Coho. Nominal.

LAND USE (history, present, proposed): Frequently utilized as recreational area by Ketchikan area residents.

REHABILITATION POTENTIAL: None

SOILS: Appeared stable.

GAME RESOURCES (species, use, habitat): Deer, bear, otter, 10 geese off mouth, 7 mallards

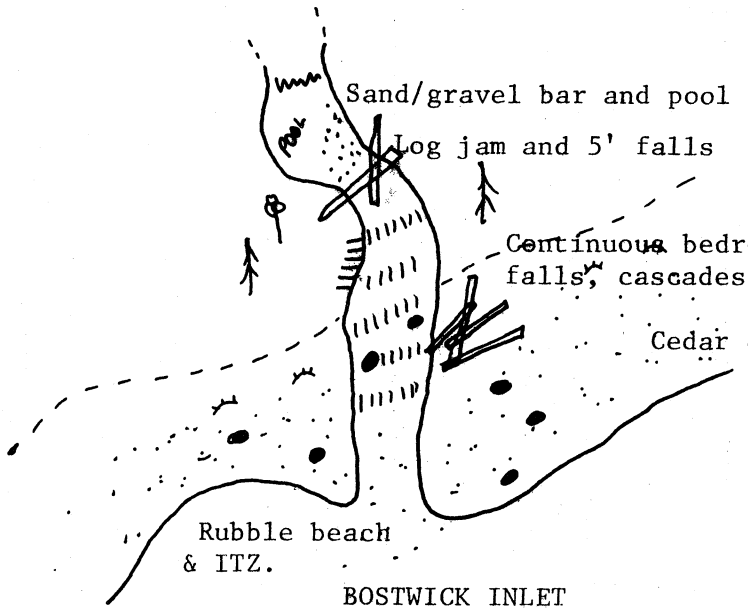
PEAK ESCAPEMENT RECORD

Bostwick (2nd left)
101-27-28

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
9-5-69				1500 @ mouth, few I.T.
8-9-73				Estimate 400 pinks @ mouth. Vis. fair.
8-30-74				5000 @ mouth.
8-13-75				8000 @ mouth & I.T. Vis. good.

101-27-30
Jackinsky
11-10-76

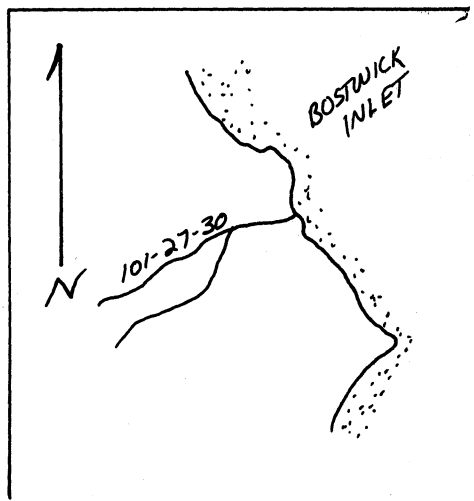
LOCATION: W. side Bostwick Inlet (Gravina Island) 1.6 miles from head.
LATITUDE: 55 14 13
LONGITUDE: 131 45 10
WATERSHED: Length 3.1 miles, area 2.1 sq. miles, runoff
WEATHER: Low tide, overcast, calm, 50°F. at time of survey
STREAM: 8 cfs, pH 7.5, 43°F., clear/colorless
SPAWNING: Very limited spawning and rearing. Possibly does not produce
REARING: fish every year.



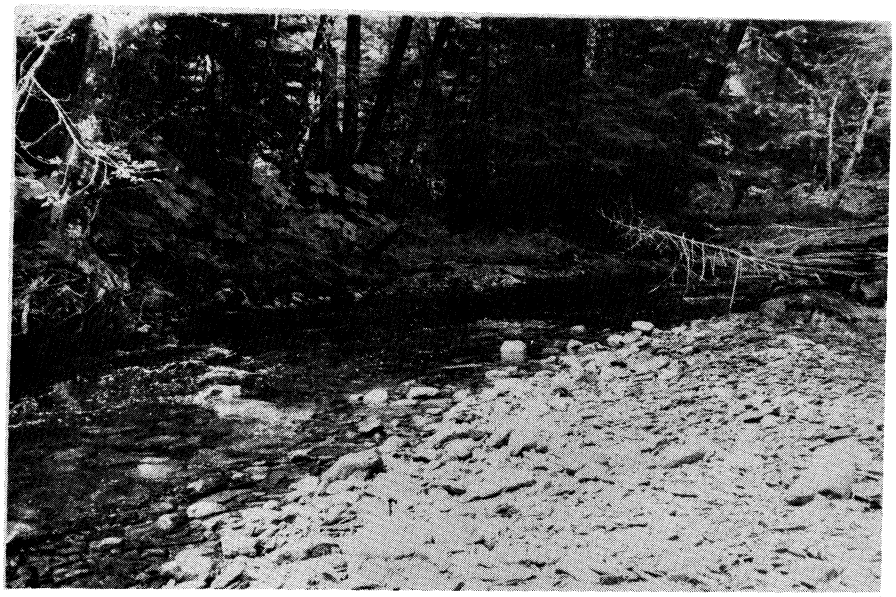
No sign of salmon (bones, carcasses, etc.)

Cedar & hemlock trees.
Slope moderate

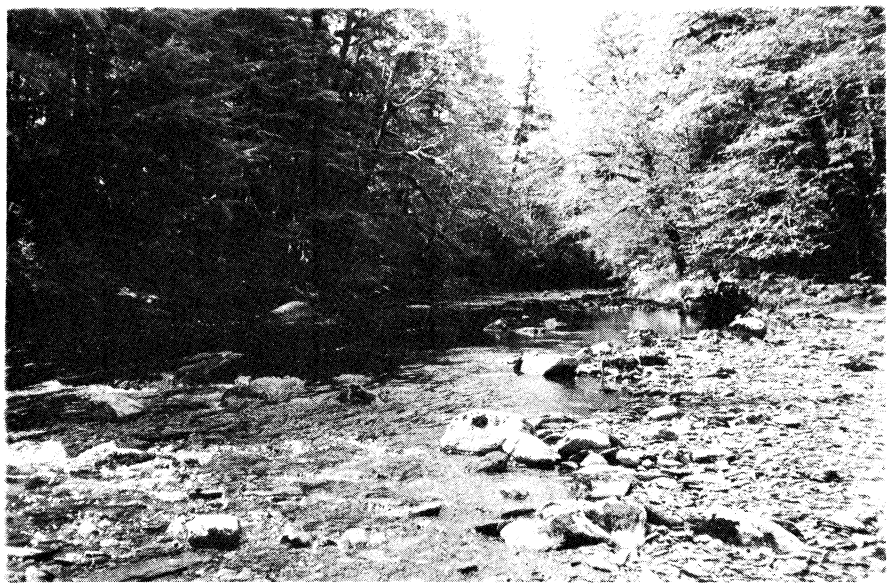
20% rubble with rounded gravel
Heavy Fucus and barnacles



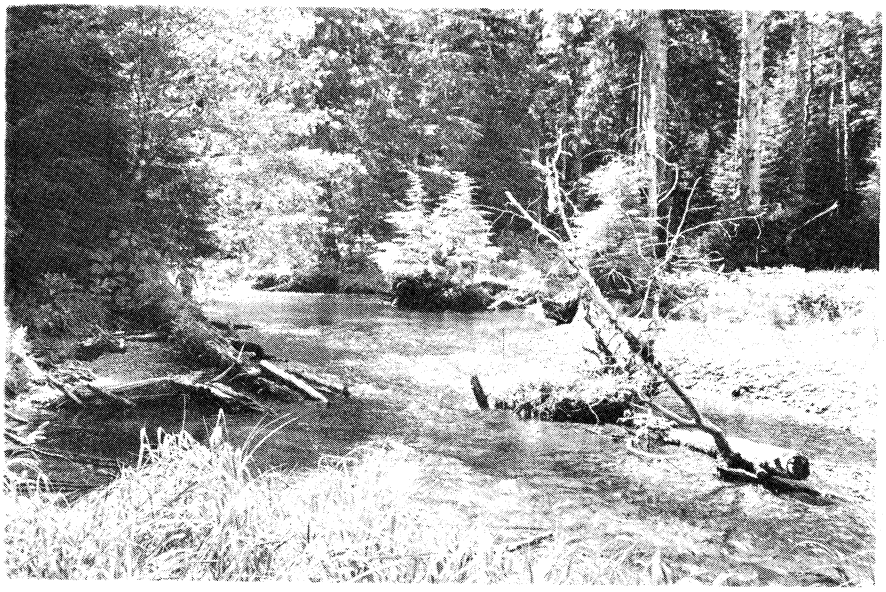
BOSTWICK, Station #1



BOSTWICK, Station #1



BOSTWICK, Station #3



BOSTWICK, Station #4
(Inlet lower Bostwick Lake)

Bostwick
6-16-76
R.Larson, Jackinsky

Station #1

500' section.

Gentle gradient.

Slopes moderate.

Many deer tracks.

85% ASA

Station #1

12'Wide, 6" deep
Good rearing.

Several large boulders in streambed.

3' high dirt banks.

Several hundred coho fry 1".

Flattened 1/4 - 2" gravel slate. Considerable sand and fines. Pre-emergent sampling shows adequate egg survival.

Section 600'
Coarse gravel rubble and bedrock.

SPRUCE AND HEMLOCK.

10% ASA
Many coho fry.
Few pools.
1 otter
Water & ice damage 2' above current water level.
40% rubble
60% coarse gravel
25% ASA

Much overhead cover. Moss on rocks and brown water makes aerial visibility difficult.

10% ASA
Coarse gravel.
Few fry.

Rapids.
Increased gradient.
50% ASA

Bedrock

Station #2

Very large spruce.

Bedrock pool.
10 coho fry.

25'W. 40%ASA
2" gravel.

Several large rocks in stream.

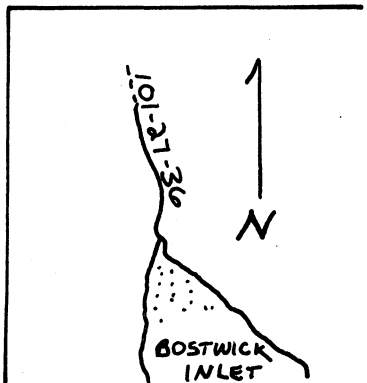
Many deer tracks.

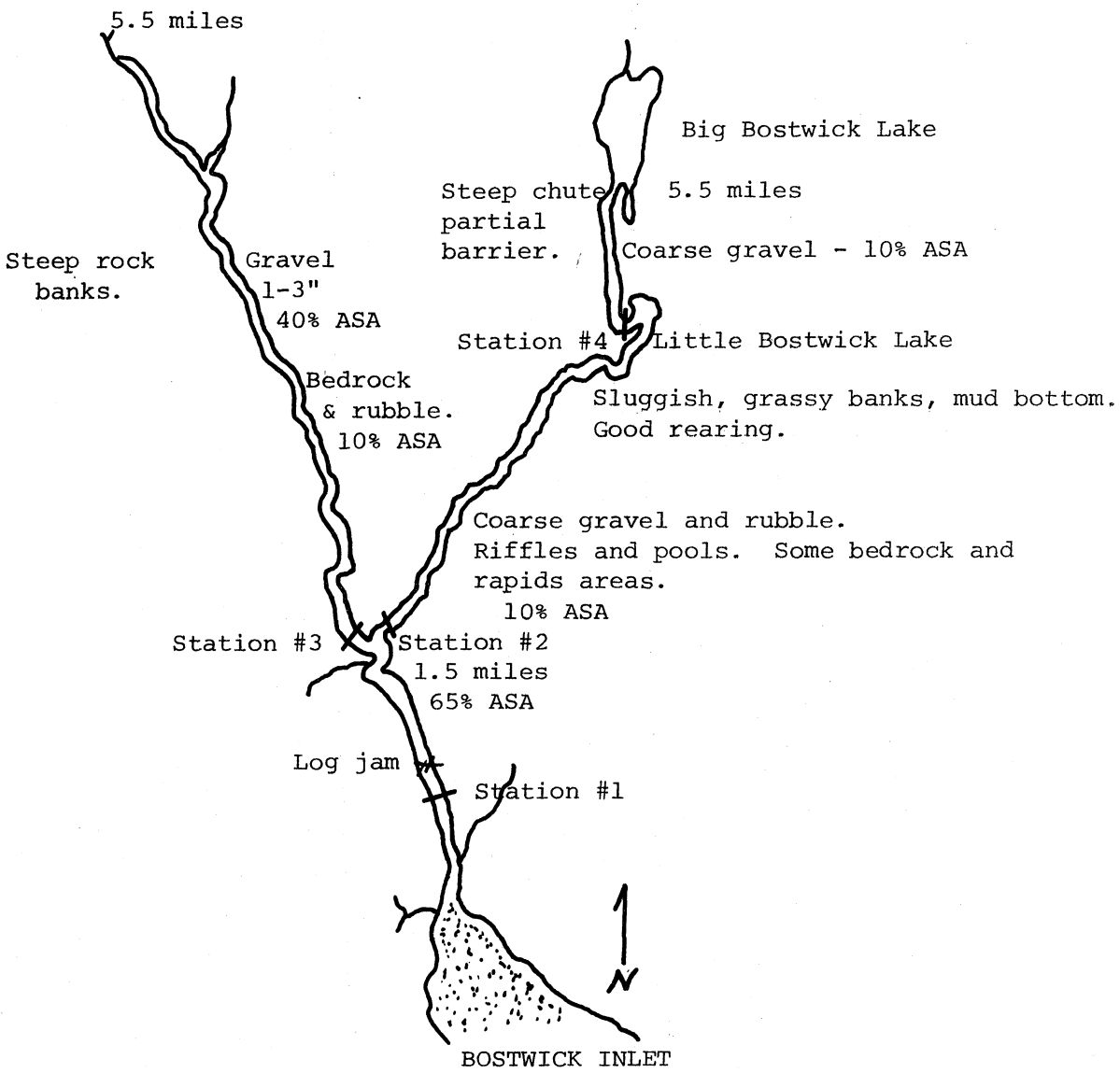
30% ASA 60' wide. 40% rubble
60% coarse gravel.

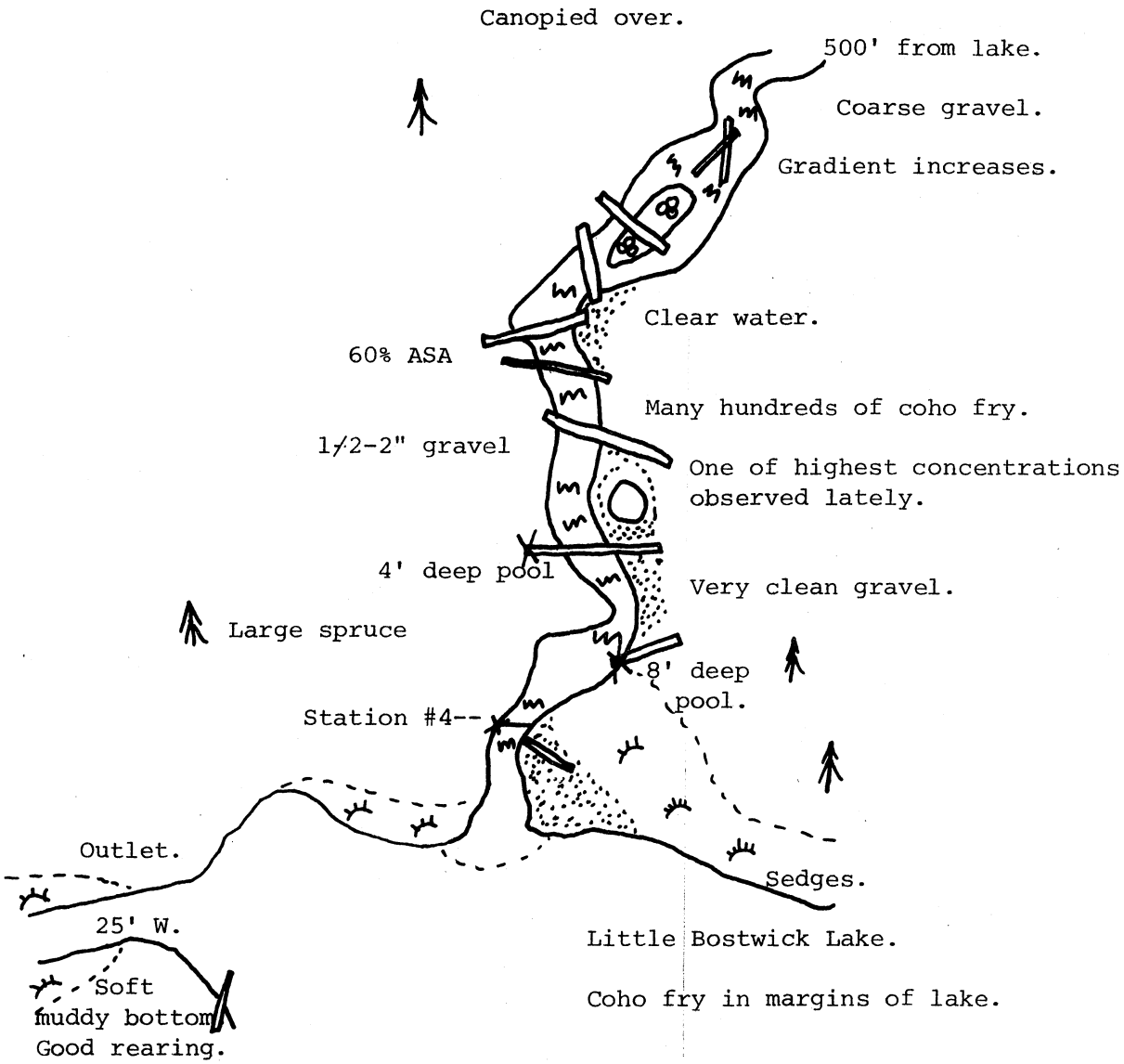
Stable banks.

4' d.pool

Steep bedrock bank.




5.5 miles
Big Bostwick Lake
Steep chute
partial
barrier.
5.5 miles
Coarse gravel - 10% ASA
Steep rock
banks.
Gravel
1-3"
40% ASA
Station #4
Little Bostwick Lake
Bedrock
& rubble.
10% ASA
Sluggish, grassy banks, mud bottom.
Good rearing.
Coarse gravel and rubble.
Riffles and pools. Some bedrock and
rapids areas.
10% ASA
Station #3
Station #2
1.5 miles
65% ASA
Log jam
Station #1
N
BOSTWICK INLET


Canopied over.
500' from lake.
Coarse gravel.
Gradient increases.
Clear water.
60% ASA
Many hundreds of coho fry.
1/2-2" gravel
One of highest concentrations observed lately.
4' deep pool
Very clean gravel.
Large spruce
8' deep pool.
Station #4--
Outlet.
Sedges.
25' W.
Little Bostwick Lake.
Soft muddy bottom Good rearing.
Coho fry in margins of lake.

Name: Bostwick
Catalog No.: 101-27-36
Latitude: 55 15' 53"
WR No.: 116
Longitude: 141 46' 05"
K No.: K114
Geodetic Map No.: Ketchikan B-6
Work Area: Ketchikan
Location: Hd. Bostwick Inlet, N.E. tributaries.
Watershed Length: 7 miles
Drainage Area: 16 sq. miles
Water Supply Type: Runoff, small lakes and ponds.

Trails & Survey Routes: Streambed easily walked, west bank handy when water high.

Aerial Survey Notes: Lower area and ITZ seaily surveyed because of width and shallow water.

Anchorage: Middle of inlet, one mile from head.

Tide Stage when Surveyed: 1/2

FISHERY RESOURCES

Commercial Fisheries: Pink, some chum, coho sockeye.

Escapement: 9-26-56: 11,500 pink, 500 chum, 500 coho in first 2 miles. Spawning area: below forks: 20,900 m^2 (7500'x60'x50%), right fork: 3716 m^2 (20000'x20'x10%), left fork: 5574 m^2 (20000'x30'x10% ASA). Total spawning area: 30,190 m^2
Species Composition: Pink, chum, coho, sockeye, trout.
Timing: Late.
Schooling Areas: Holes and pools in first 1/2 mile of stream.

Shellfish Potential: Excellent crab and clams on extensive flats at head of bay.

Sport Fisheries: Cutthroat excellent, some Dolly Varden, good sea run population of both.
Land Use at Present: Very popular hunting, fishing, recreational area for people of Ketchikan.
History of Land Use: Has been a historic recreational area.

Rehabilitation Potential: None needed.

Soils: Generally stable, considerable amount of bedrock in some sections.

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

STREAM INVENTORY FORM

Name: Bostwick Creek

Number: 101-27-36

Observers: R.Larson, Jackinsky

Date: 6-1-[illegible]

Temperature: 66

Weather: Fair, high scattered.

Station No.	1	2	3	4												
Pool Size/Type	3/3	3/2	1/2	1/1												
Riffle Type Width-Depth	72'W .7'D	21'W .5'D	55'W .8'D	25'W .4'D												
Pool Riffle Frequency	2	2	2	1												
Bottom Type (Riffle)	4	4-5	4	4												
Color/Turbidity	2/1	2/1	2/1	1/1												
Velocity	2	2	2	2												
Flow (C.F.S.)	60	20	35	16												
Temp. (°F.)	58	56	54	59												
pH	7.5	7.5	7.5	7.5												
Fry Abundance	50/1	0	30/1	100/1												
Benthos Sample No.																
Higher Plant Class	2	2	2	2												
Aquatic Veg. Density Ident. (1) Mosses	3	2	2	3												
(2) Algae	2	1-2	1-2	2												

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

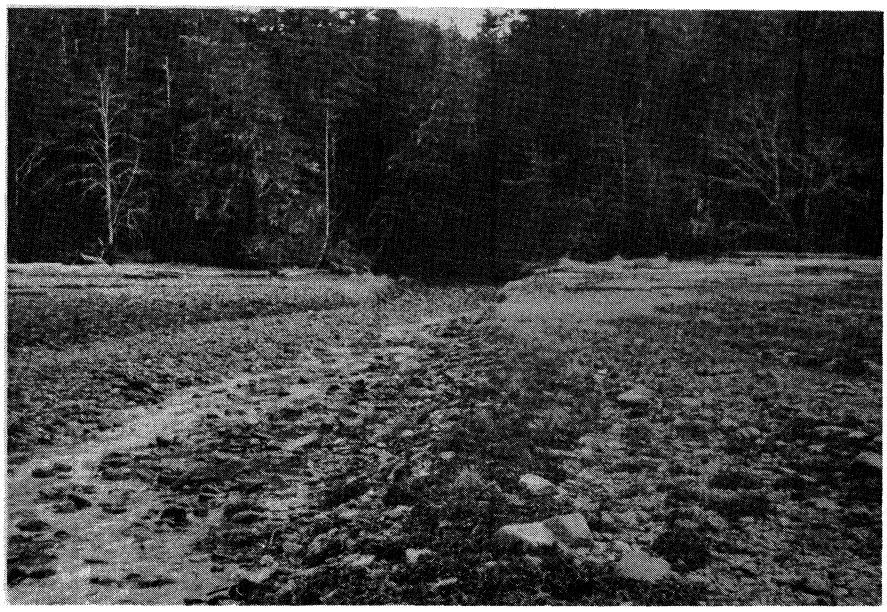
#1 - upstream of ITZ.
#2 - E. fork above forks.
#3 - W. fork.
#4 - Inlet lower Bostwick Lake.

PEAK ESCAPEMENT RECORD

Bostwick Creek
101-27-36

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
9-25-36				Fair seeding.
9-3-38		100		
9-28-47	5,000	500	50 coho, 1 red	1000 pinks dead.
10-6-49	2,404	24		
9-28-54				4000 fish.
9-26-56	11,500	500	500 coho	9000 pink @ mouth.
8-25-60	100			Schooled.
9-9-61	3,000	3		
9-14-62	15,000	400		
9-8-64	6,500			Vis. poor, mostly in lower 1.5 mi.
8-17-65	3,000			300 @ mouth, 100 I.T. Vis. ex. in stream, good off mouth.
9-12-66	7,000			Vis. poor upstream. 2000 @ I.T.
9-11-67	570	100		Probably 4-5000 fish present. Vis. fair. Fish well up stream.
8-26-68				1500 I.T. 10,000+ @ mouth. Vis. poor.
9-9-69	5,700			600 I.T. Activity scattered all along creek. Rough flying.
9-9-70	1,000			500 on study area. Vis. poor.
8-26-71	6,000			
8-30-72	5,500			4 small schools @ mouth - 800. Visibility poor.
8-9-73	600			400 pinks @ mouth. Vis. fair.
8-30-74				4000 @ mouth, 500 I.T. Vis. good.
8-11-75	3,000			Vis. fair to good.

101-27-40. ITZ, 11-10-76.



101-27-40. ITZ, 11-10-76.

LOCATION: E. side Bostwick Inlet, 1 mile from head

LATITUDE: 55 15 06 Ketchikan B-6

LONGITUDE: 131 44 38

WATERSHED: Length 1.5 miles, area 1 sq. mile, runoff

TIDE: 1/3

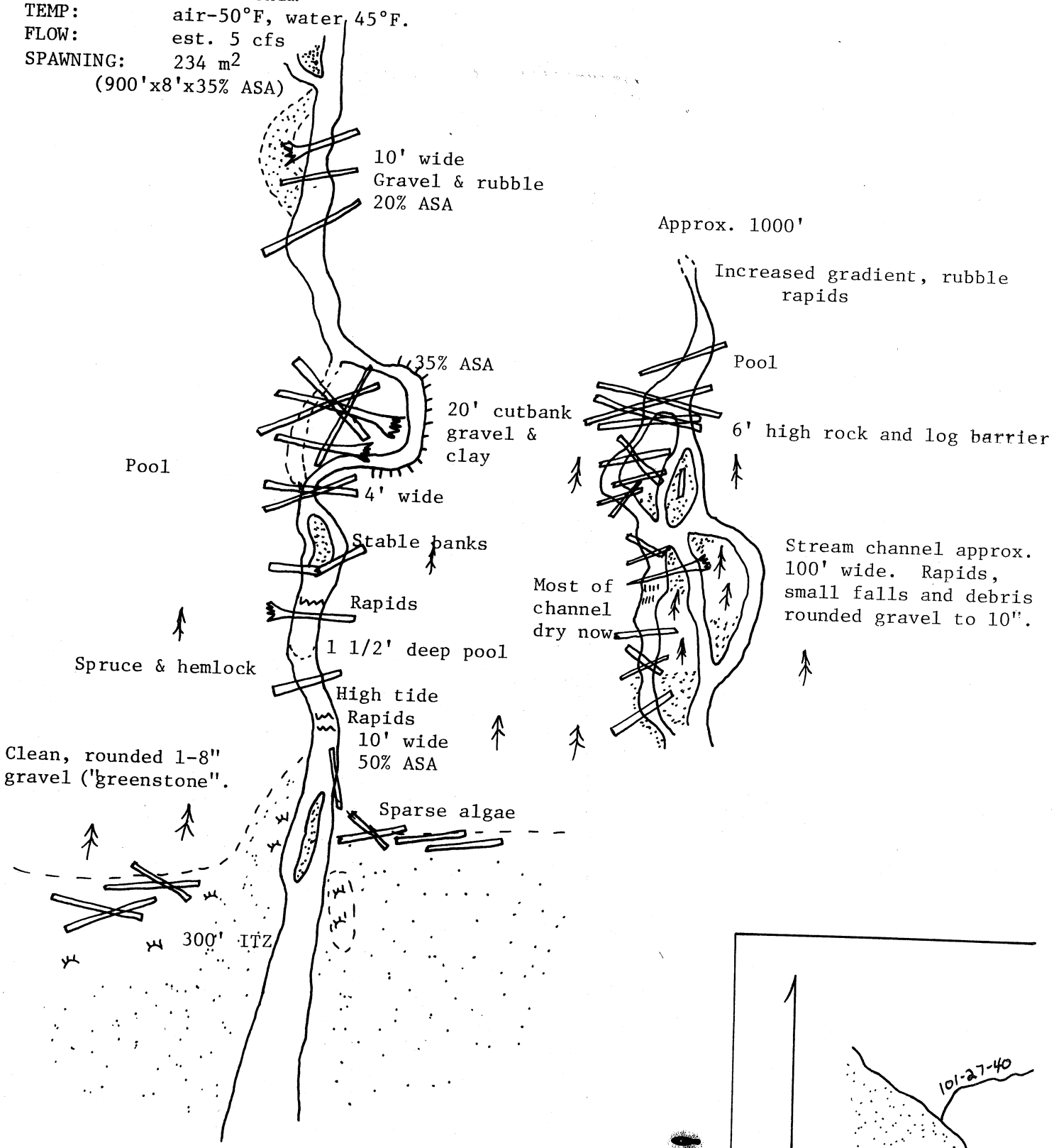
SPECIES: Pink & chum

TEMP: air-50°F, water 45°F.

FLOW: est. 5 cfs

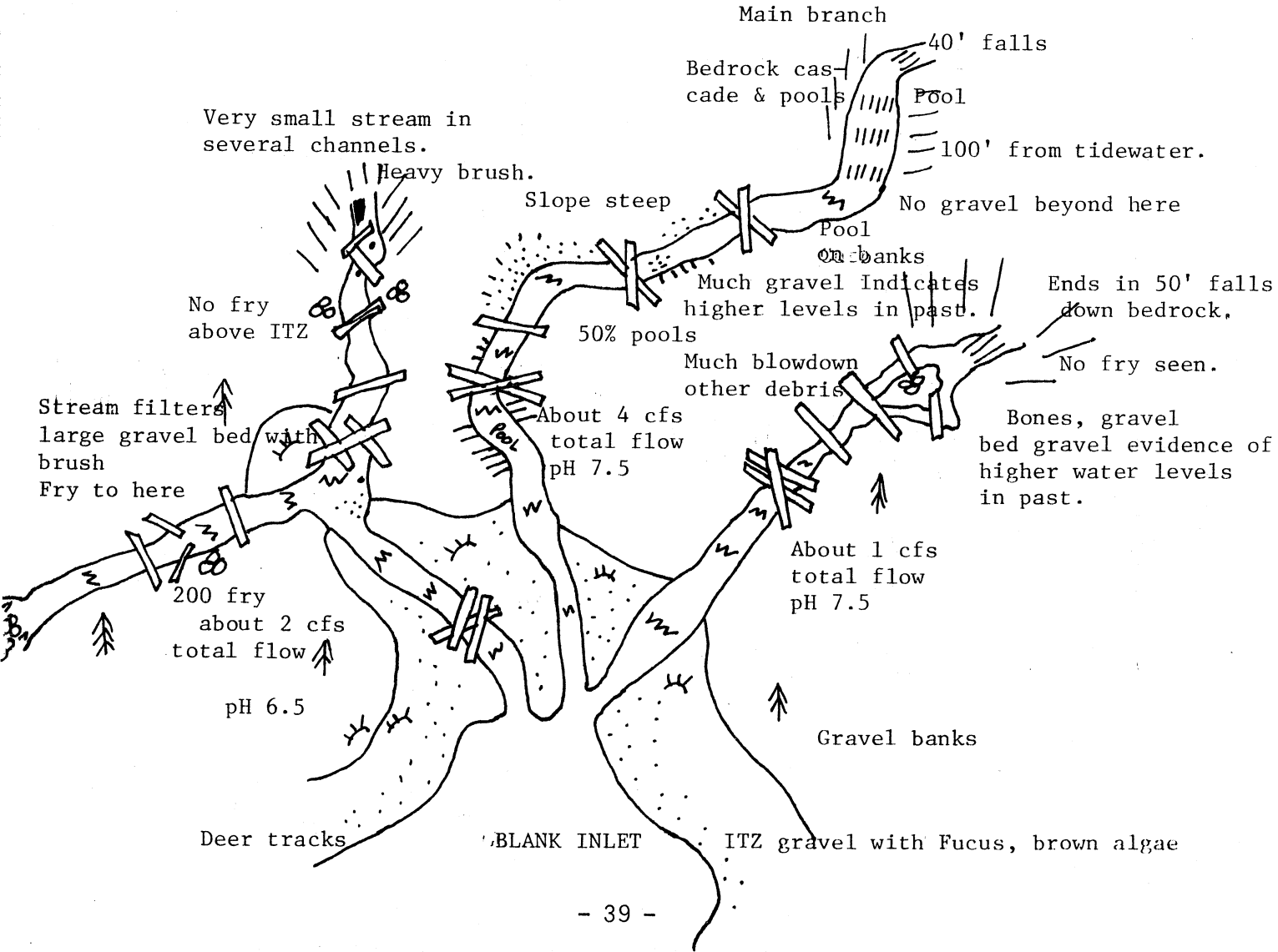
SPAWNING: 234 m^2 (900'x8'x35% ASA)

101-27-40
Larson
11-10-76



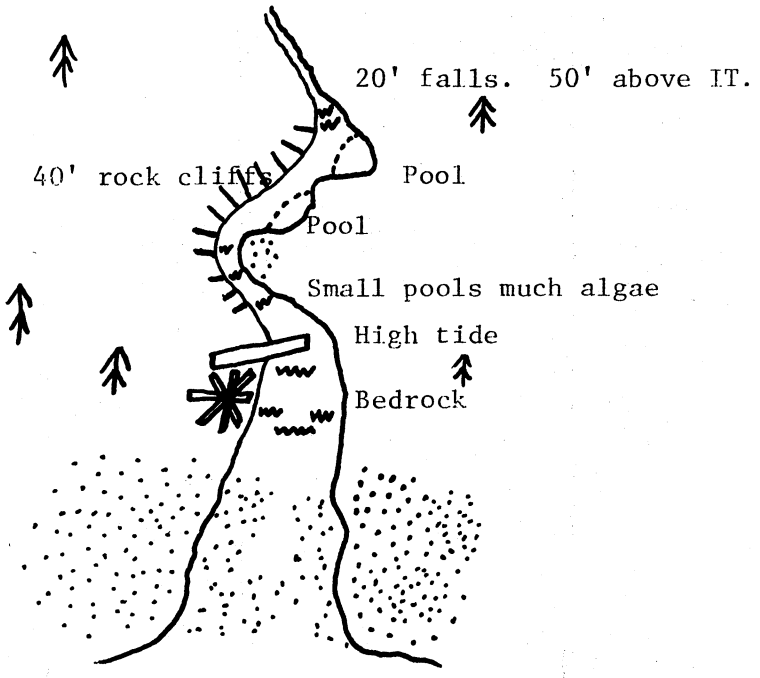
101-27-50
Larson, Jackinsky
7-8-76

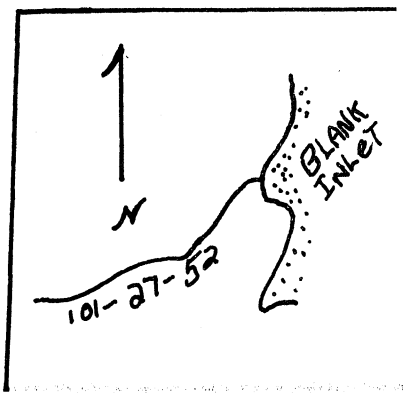
LOCATION: Gravina Island, Blank Inlet, W.side
LATITUDE: 55° 16' 22"
LONGITUDE: 131° 41' 14"
TIDE: Out at time of survey
SLOPE: Moderate
TREES: Hemlock, spruce, cedar
WEATHER: Overcast, 57°F
SPAWNING: Very limited, approximately 100 m^2
REARING: Some available, fry observation left hand stream, mostly in intertidal portion.



101-27-52
R.Larson
7-8-76

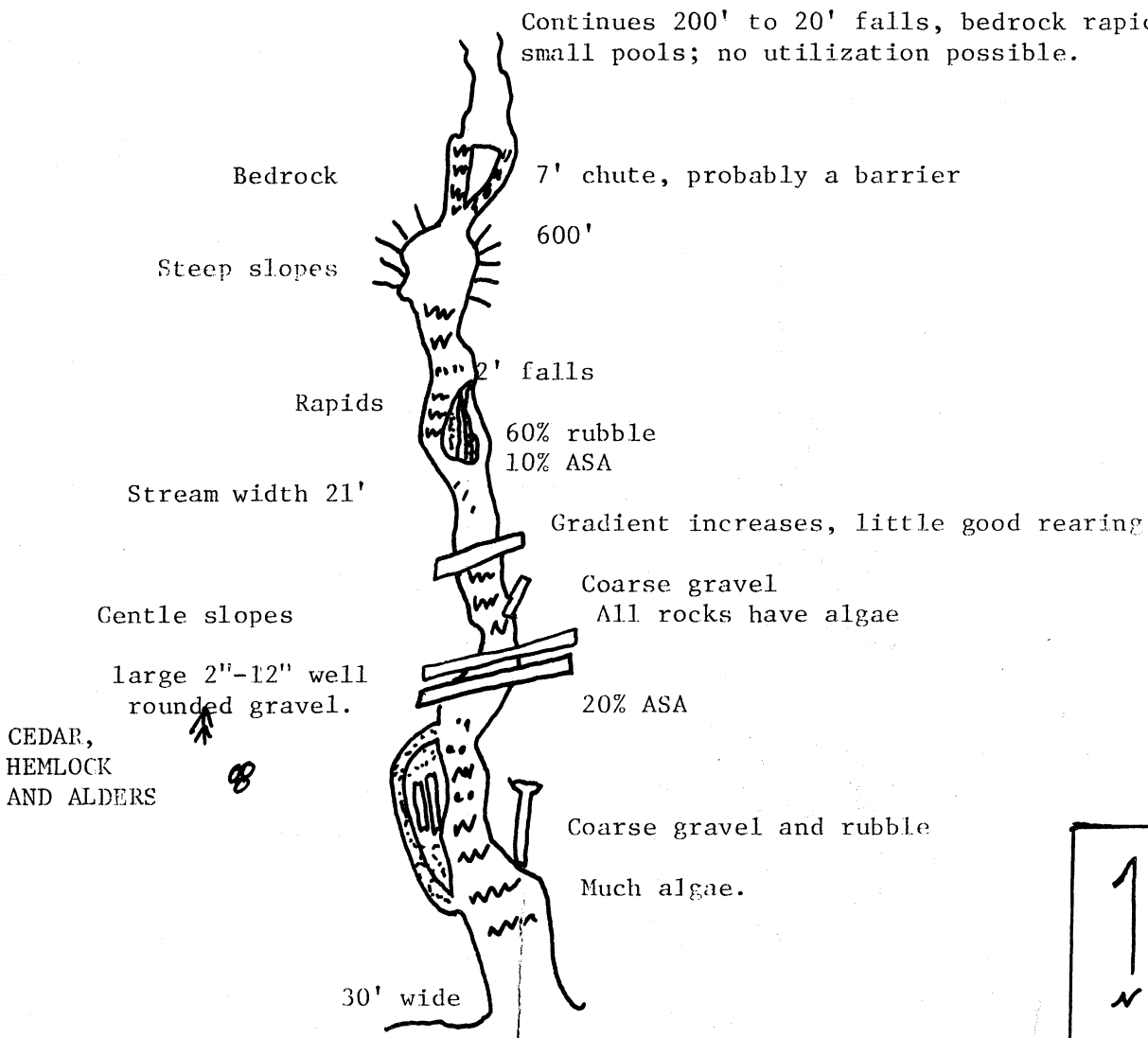
LOCATION:	W. shore Blank Inlet 2 miles south of head (Gravina Island)
LATITUDE:	55 16 56
LONGITUDE:	131 41 14
WATERSHED:	length 1.5 miles, area 1.5 sq. miles, runoff, muskeg
STABILITY:	Stream looks as though it is subject to scouring.
FLOW:	12 cfs (estimate)
SLOPE:	Steep rock cliffs adjacent to stream
TREES:	Large spruce, hemlock, cedar
SPAWNING:	Approx. 30 m^2. Restricted to small patches of gravel in bedrock ponds and lower intertidal area.
REARING.	Very limited rearing area.

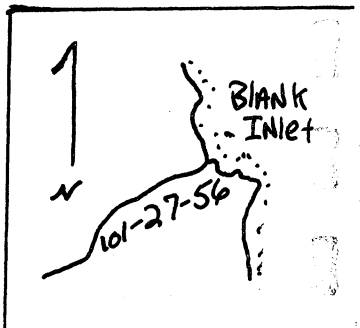




101-27-56
R.Larson
7-8-76

LOCATION:	W. shore of Blank Inlet 1 mile south of head (Gravina Island)
LATITUDE:	55° 17' 49"
LONGITUDE:	131° 41' 21"
WATERSHED:	Length 1 mile, area 2 sq. miles, source - runoff, muskeg, ponds.
AIR TEMP:	56°
WATER TEMP:	51°
FLOW	8 cfs
pH	7.5
SPAWNING/ REARING:	220 m^2 (600'x20'x20% ASA) Poor rearing potential.

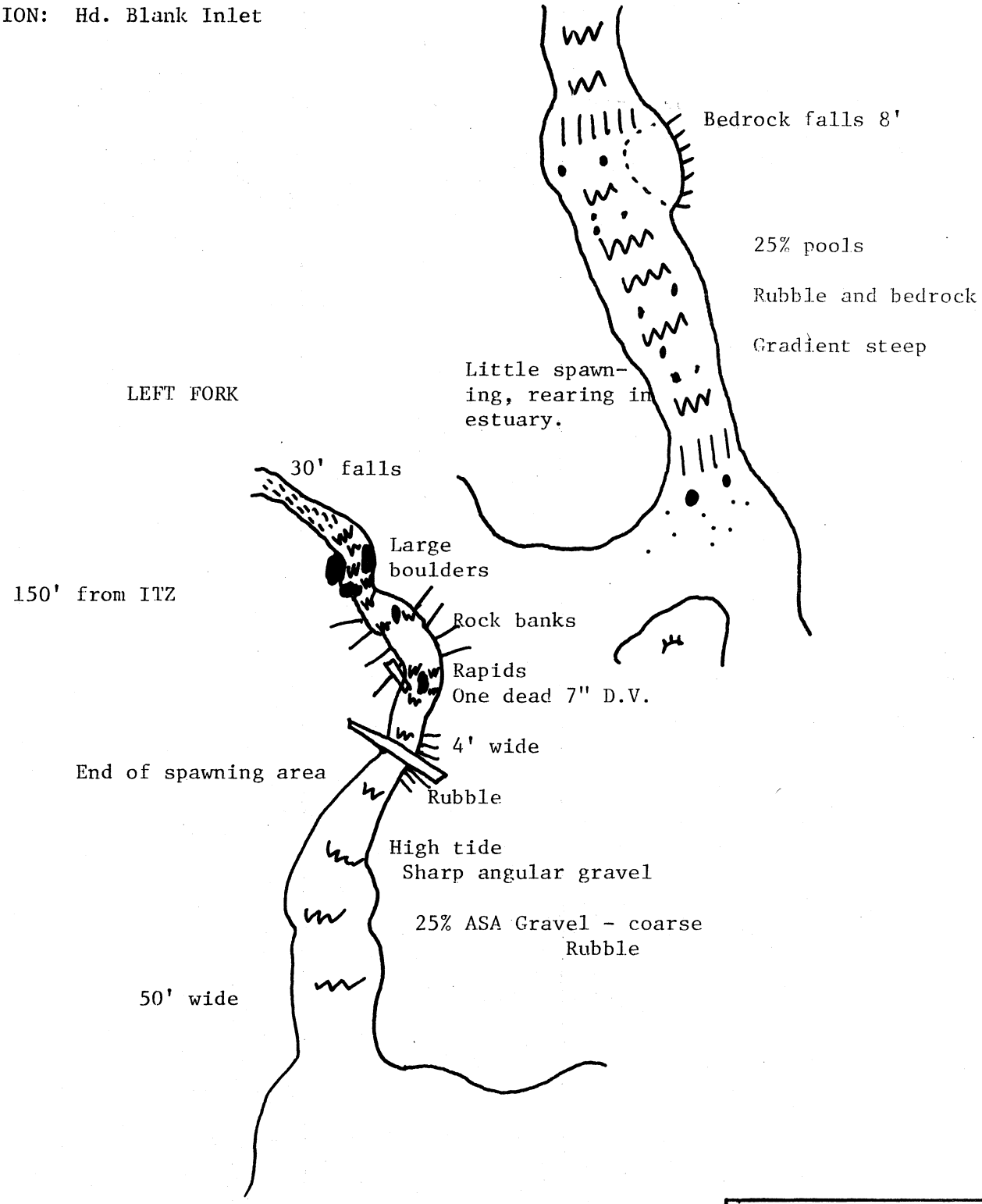


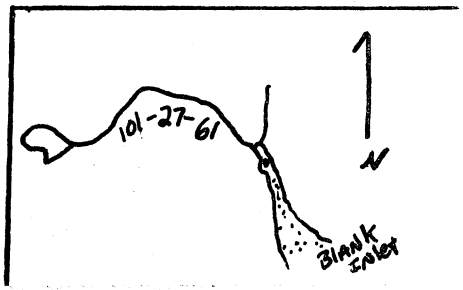


101-27-61
7-8-76
Larson

RIGHT FORK

LOCATION: Hd. Blank Inlet





Name: Blank Creek
Latitude: 55 18 43
Longitude: 131 41 36
Geodetic Map No: Ketchikan B-6
Location: Hd. Blank Inlet, including all tributaries.

Catalog No: 101-27-61
Former Stream No: K114A, Previous no. 115

Work Area: Ketchikan
Watershed Length: 2 miles
Drainage Area: 3 sq. miles
Water Supply Type: Runoff, small lakes, ponds.

Trails & Survey Routes: Easily walked for length accessible.

Aerial Survey Notes: Intertidal easily observed, shallow water and light colored bottom.

Anchorage: Blank Inlet head.

Tide Stage when Surveyed: 3/4

RESOURCES

COMMERCIAL FISHERIES (species, escapement, timing, spawning area):
Pink. Timing - September.
Spawning area: 395 m^2 (100'x50'x25%) + (200'x30'x50%)

Schooling Areas:

Spawning Areas:

SHELLFISH POTENTIAL: Few clams on flats

SPORT FISHERIES: 1 6" Dolly Varden noted, cutthorat trout in lakes.

LAND USE (history, present, proposed): None

REHABILITATION POTENTIAL: Unknown

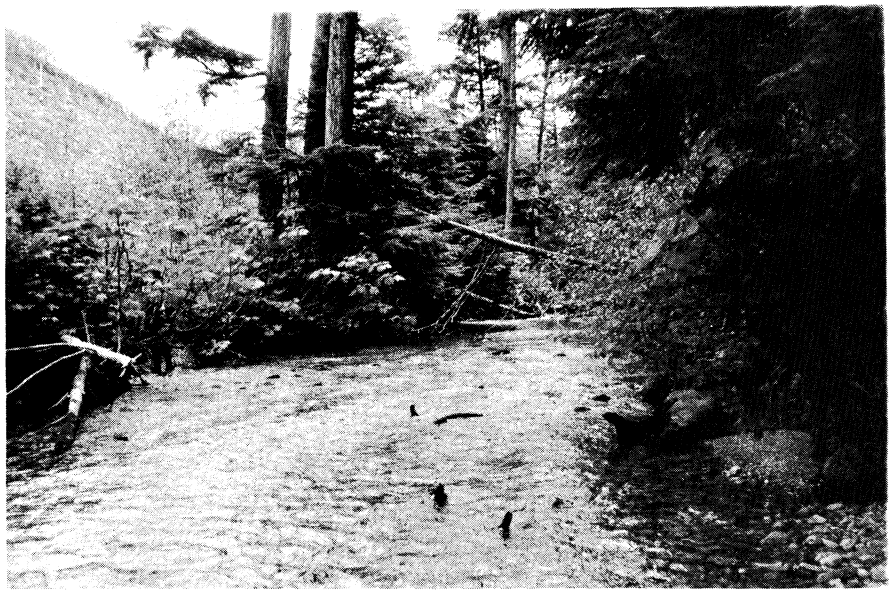
SOILS: Stable, bedrock substrate

GAME RESOURCES (species, use, habitat): Bear scats, 1 bald eagle noted.

PEAK ESCAPEMENT RECORD

Blank Creek
101-27-61

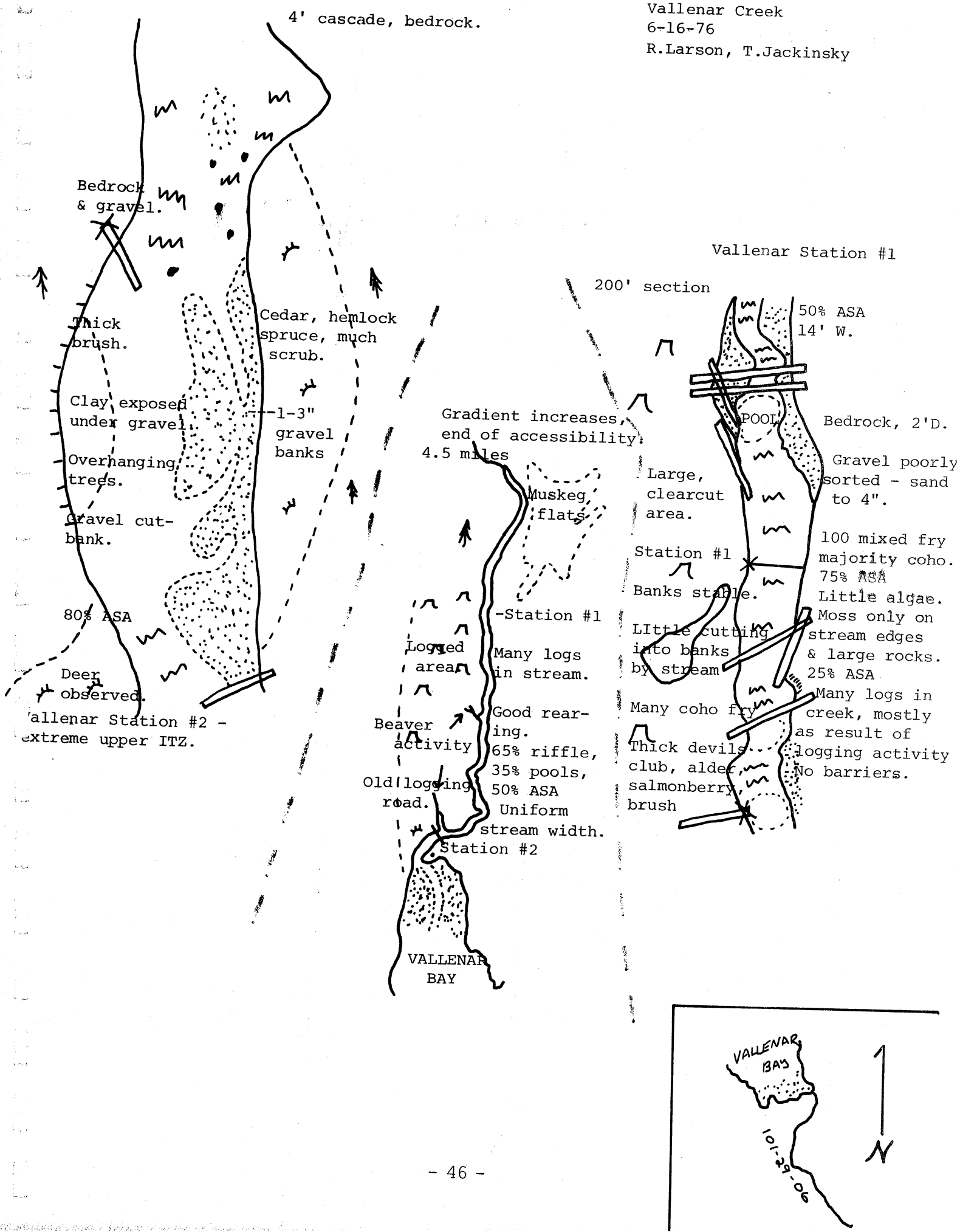
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
9-15-62	140			90 @ mouth.
9-8-64				Vis. good. Stream low.
8-26-70				Visibility poor.



Vallner, Station #1, looking upstream.

Vallner, Station #2

Vallenar Creek
6-16-76
R.Larson, T.Jackinsky



Name: Vallenar Creek
Latitude: 55 22' 36"
Longitude: 131 49' 43"
Geodetic Map No.: Ketchikan B-6
Location: Hd. Vallenar Bay, including all tributaries.
Water Supply Type: Runoff, muskeg.

Catalog No.: 101-29-06
WR No.: 117
K No.: K116
Work Area: Ketchikan
Watershed Length: 3.5 miles
Drainage Area: 8 sq. miles

Trails & Survey Routes: Some trails along creeks, brush less dense close to banks. Old logging road along top of slope on east side.
Aerial Survey Notes: Easily surveyed intertidally, considerable overhead cover in midsection of the stream.
Anchorage: East side of bay about one mile from head in six fathoms.

Tide Stage when Surveyed: 1/2

FISHERY RESOURCES

Commercial Fisheries: Pink with chum and coho.

Escapement: 10-8-50: 15,000 pink, 500 chum, 1 coho; 9-24-52: 0 pink, 250 chum, 0 other.
Spawning area: 27,870 m^2 (20,000'x30'x50% ASA)
Species Composition: Primarily pink, with chum, coho, trout.

Timing: Late.
Schooling Areas: Shallow pools in upper ITZ, scattered logs upstream.

Shellfish Potential: Crabs and clams on large flats.

Sport Fisheries: Good sea run populations of cutthroat and Dolly Varden.

Land Use at Present: Recreational hunting and fishing.

History of Land Use: Large clearcut logging operation ceased operation in 1960.

Rehabilitation Potential: None needed.

Soils: Generally stable.

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

STREAM INVENTORY FORM

Name: Vallenar

Number: 101-29-06

Observers: Larson, Jackinsky

Date: 6-16-76

Temperature: 61

Weather: Fair

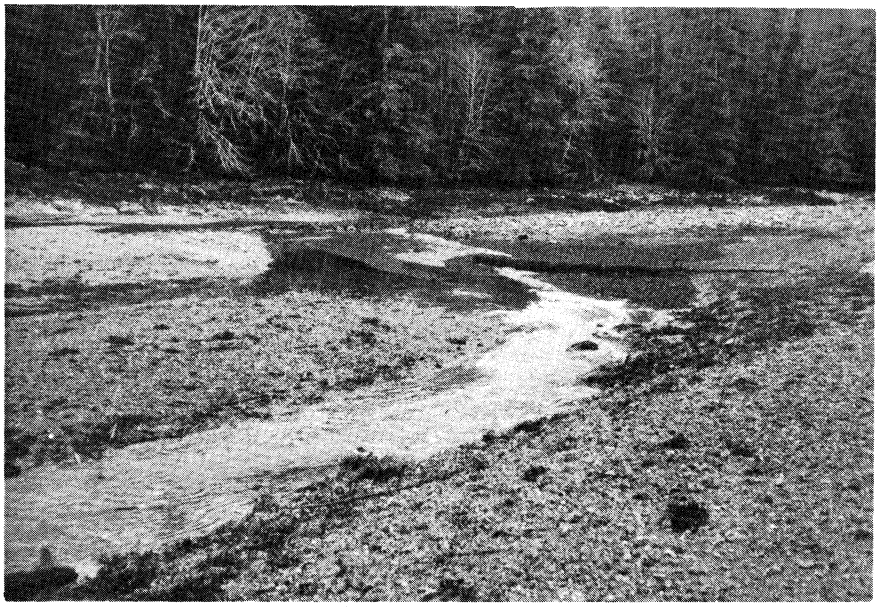
Station No.	1	2														
Pool Size/Type	3/3	1/3														
Riffle Type Width-Depth	30'W .3'D	44'W .7'D														
Pool Riffle Frequency	2	3														
Bottom Type (Riffle)	4	4														
Color/Turbidity	1/1	2/1														
Velocity	2	2														
Flow (C.F.S.)	14	26														
Temp. (°F.)	46	52														
pH	7.0	7.5														
Fry Abundance	6/1	20/1														
Benthos Sample No.																
Higher Plant Class	2	1														
Aquatic Veg. Density Ident. (1) Mosses (2) Algae	2 2-1	1/2 2/1														

General Remarks (rehab., land use, barriers, log jams, etc.): Station #1: Near end of accessible portion upstream.
Station #2: Just above tidal portion.

PEAK ESCAPEMENT RECORD

Vallenar Creek
101-29-06

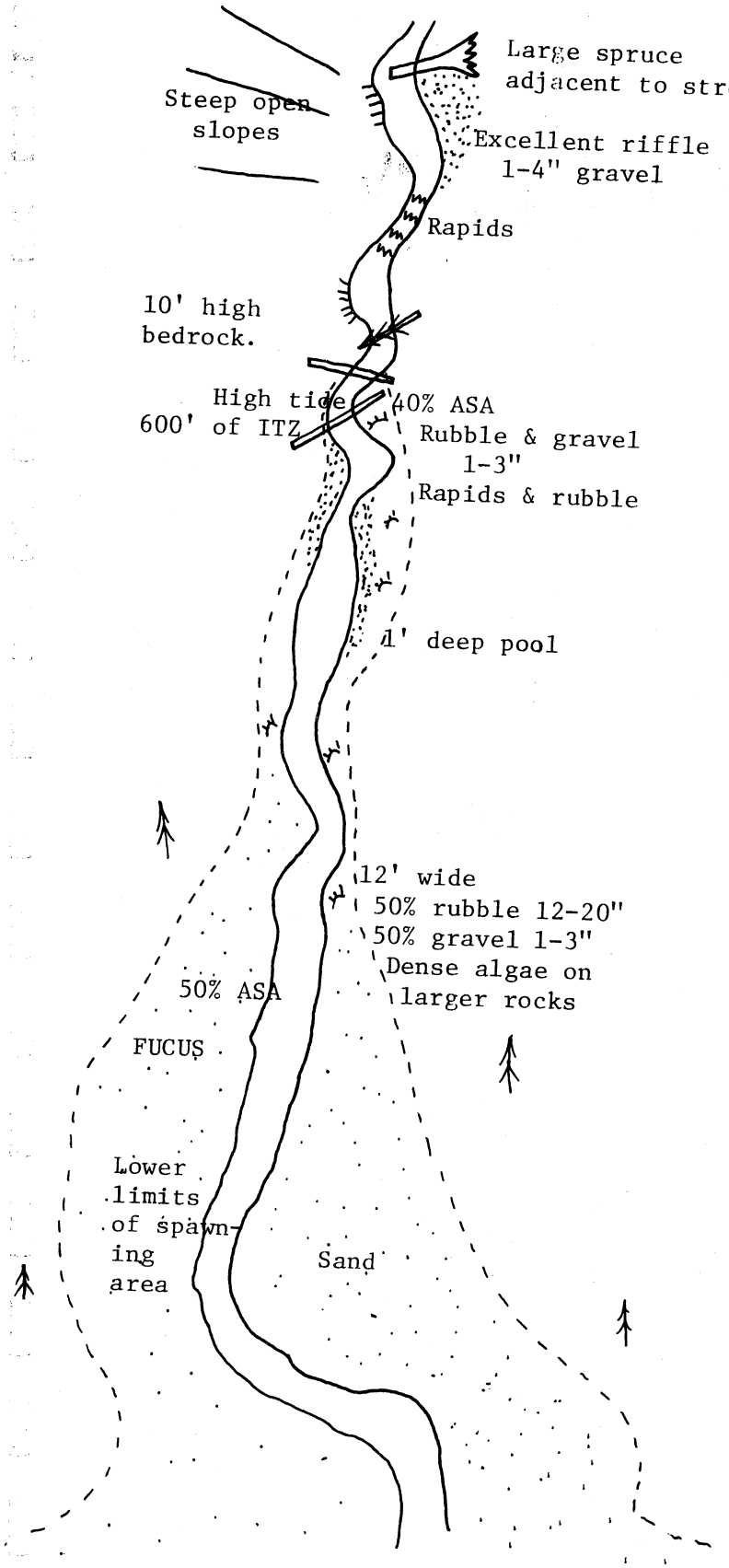
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
9-17-40	10,000	2,000		10,000 @ mouth.
10-5-41	15,000			
10-8-47	15,000	500	1 coho.	
9-24-50	1,674	46	7 coho	
9-21-52		250		
10-9-53	370	360	15 coho	180 dead chums.
9-25-54	3,000	1,000		
8-25-60				None observed.
9-12-61	290	40		300 @ mouth. No dead, all fresh.
9-8-64				Stream low. 200 I.T. 20,000 @ mouth.
9-13-65				Few dead pinks. 1000 @ mouth.
9-7-66				6-7000 @ mouth.
9-11-67	300	130		150 @ mouth. Fair to good vis. More fish present.
8-26-68				9 balls, 16,000+ at mouth. Good to fair visiblity.
9-9-69	1,000			400 @ mouth. Poor count, flying rought.
8-13-70				3-4000 @ mouth & I.T. Vis. fair.
8-26-71				2000 @ mouth, 2000 @ I.T.
8-29-72				Vis. good. 5 schools in bay - estimate 4000.
8-12-73	20			250 pinks @ mouth. Vis. ex.
8-28-74				1800 @ mouth & I.T.
8-12-75	Present			8-10,000 at mouth.

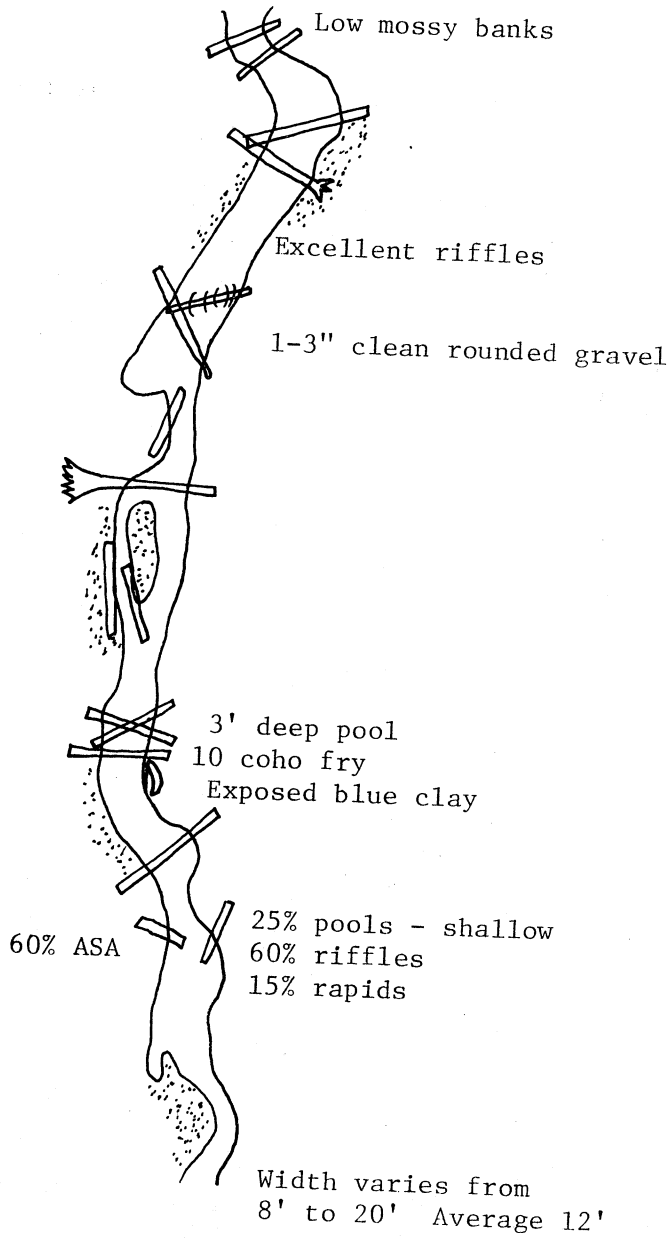


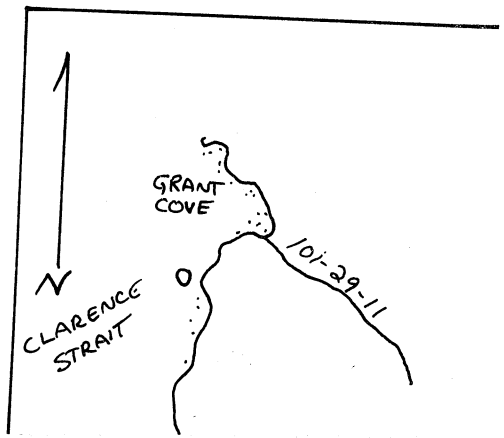
GRANT CREEK, 101-29-11, 11-27-76

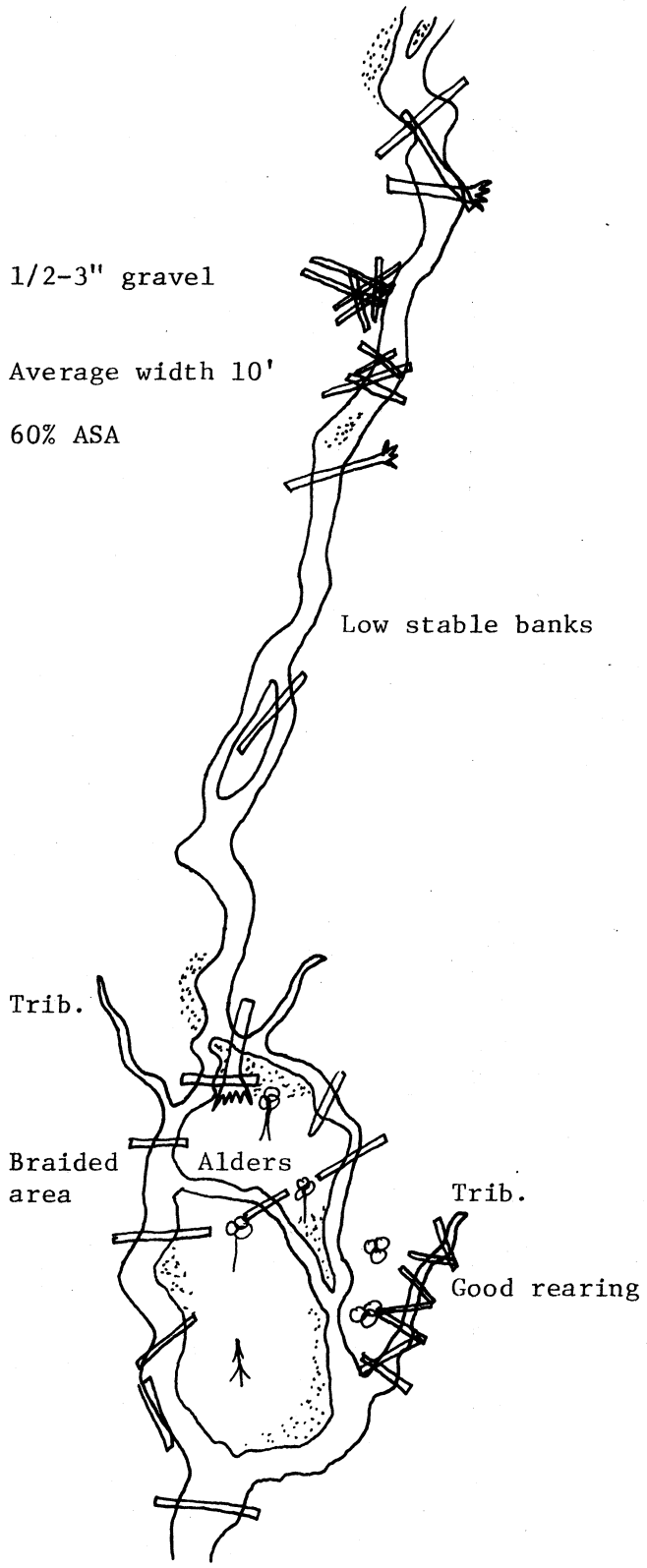
TIDE: Low
FLOW: Est. 6 cfs
AIR: 36°F
WATER: 38°F
pH 7.5

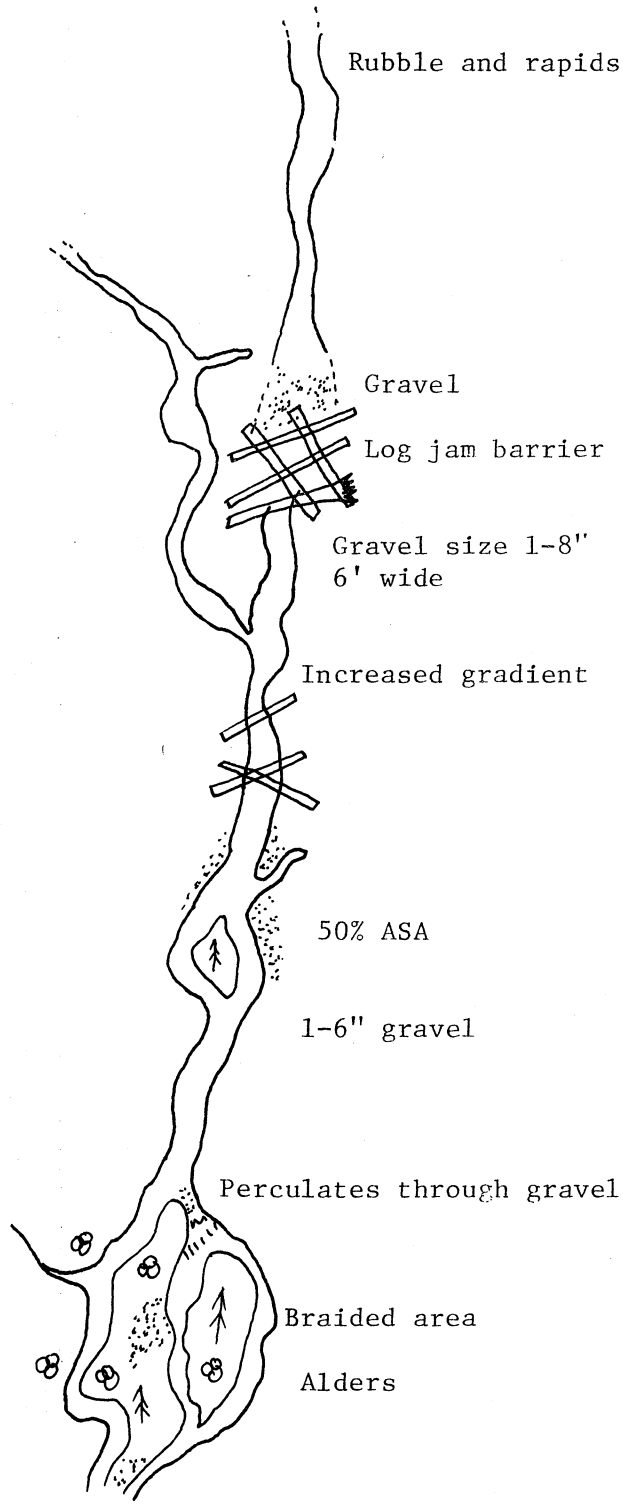
101-29-11
Grant Creek
11-26-76
Larson, Jackinsky








1/2-3" gravel
Average width 10'
60% ASA
Low stable banks
Trib.
Braided area
Alders
Trib.
Good rearing


Rubble and rapids
Gravel
Log jam barrier
Gravel size 1-8"
6' wide
Increased gradient
50% ASA
1-6" gravel
Perculates through gravel
Braided area
Alders

Name:
Latitude: 55 21 06
Longitude: 131 51 10
Geodetic Map No: Ketchikan B-6
Location: Head of Grant Cove Gravina Island.

Catalog No: 101-29-11
Former Stream No: K116A, Previous No. 116D

Work Area: Ketchikan
Watershed Length: 1.3 miles
Drainage Area: 2 sq. miles
Water Supply Type: Runoff

Trails & Survey Routes: Streambed easily walked.

Aerial Survey Notes: Too small and with too much overstory for effective aerial sruvey, intertidal and mouth counts only.

Anchorage: Grant Cove

Tide Stage when Surveyed: low

RESOURCES

COMMERCIAL FISHERIES (species, escapement, timing, spawning area): Pink, chum. Late (Sept.-Oct.) Spawning area 3100 m^2 (600'x12'x50% ASA)ITZ+ (4500'x11'x60% ASA). Moderately good rearing available along accessible length.

Schooling Areas: Small shallow pools in lower portion of stream,

Spawning Areas: Suitable riffles in ITZ and throughout accessible upstream section.

SHELLFISH POTENTIAL: Numerous clams on flats. Littlenecks, geoducks, abolone on rocks.

SPORT FISHERIES: Nominal

LAND USE (history, present, proposed): Utilized as a recreational area (near Ketchikan). Within Tongass National Forest. Old fish trap site.

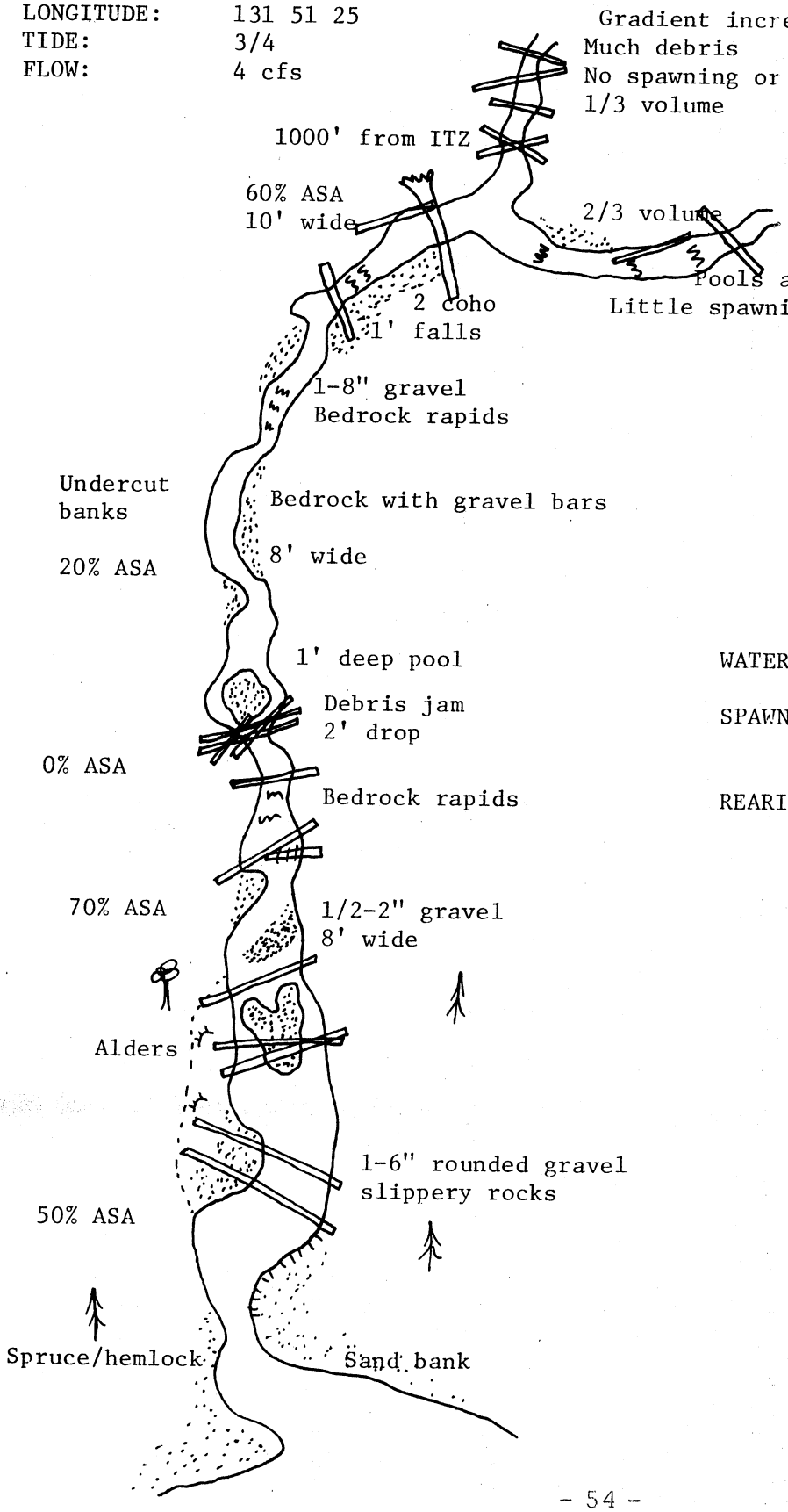
REHABILITATION POTENTIAL: None

SOILS: Appeared stable.

GAME RESOURCES (species, use, habitat): Deer, bear, beaver signs. Many fish bones scattered on banks and in woods adjacent to creek. Heavily utilized crow and raven nesting area near mouth.

101-29-17
Larson
11-11-76

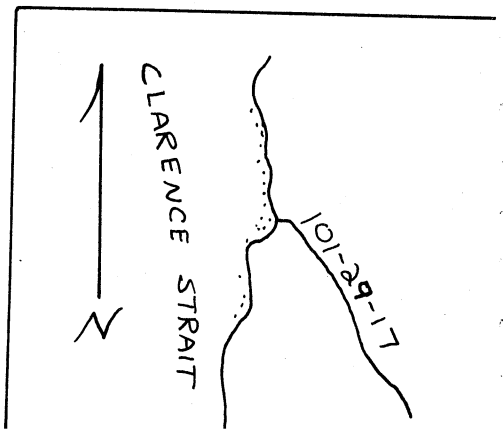
LOCATION: 2 miles south of Grant Creek, Gravina Island.
LATITUDE: 55 19 43 Ketchikan B-6
LONGITUDE: 131 51 25
TIDE: 3/4
FLOW: 4 cfs

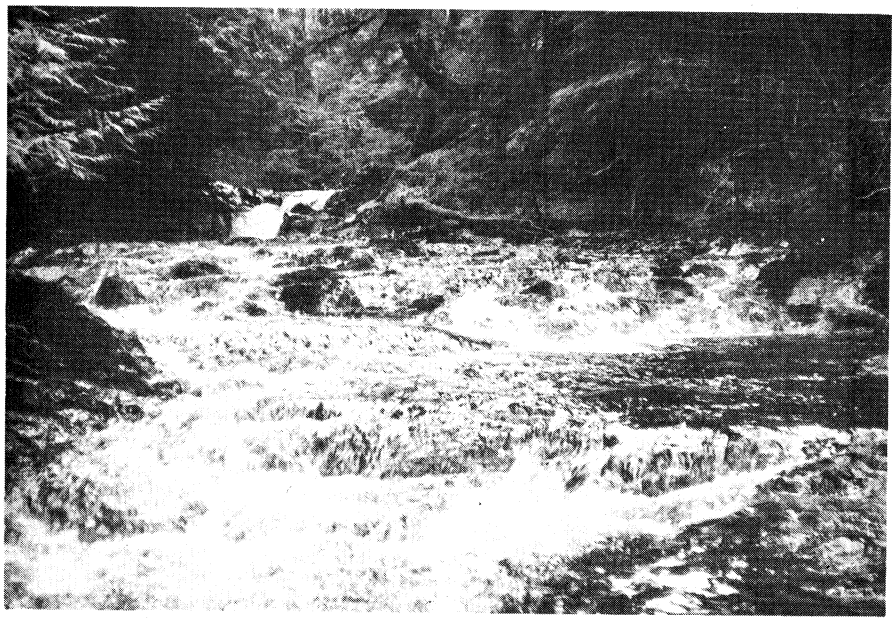


WATERSHED: length 1.2 miles, area 1 sq. mile, muskeg, runoff

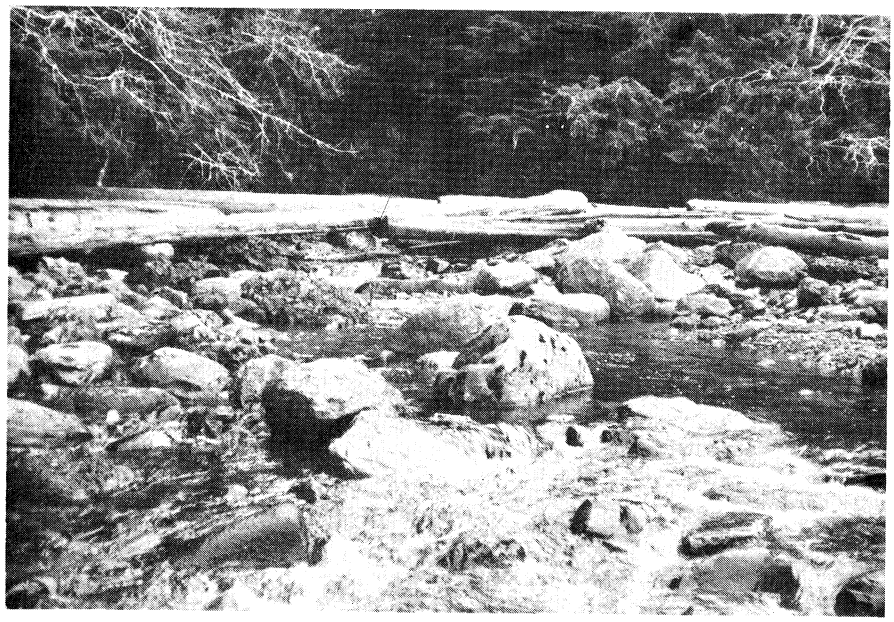
SPAWNING: Spawning area: 371 m^2 (1000'x8'x50% ASA)Not includ- lower ITZ.

REARING: Rearing potential limited due to size of stream.





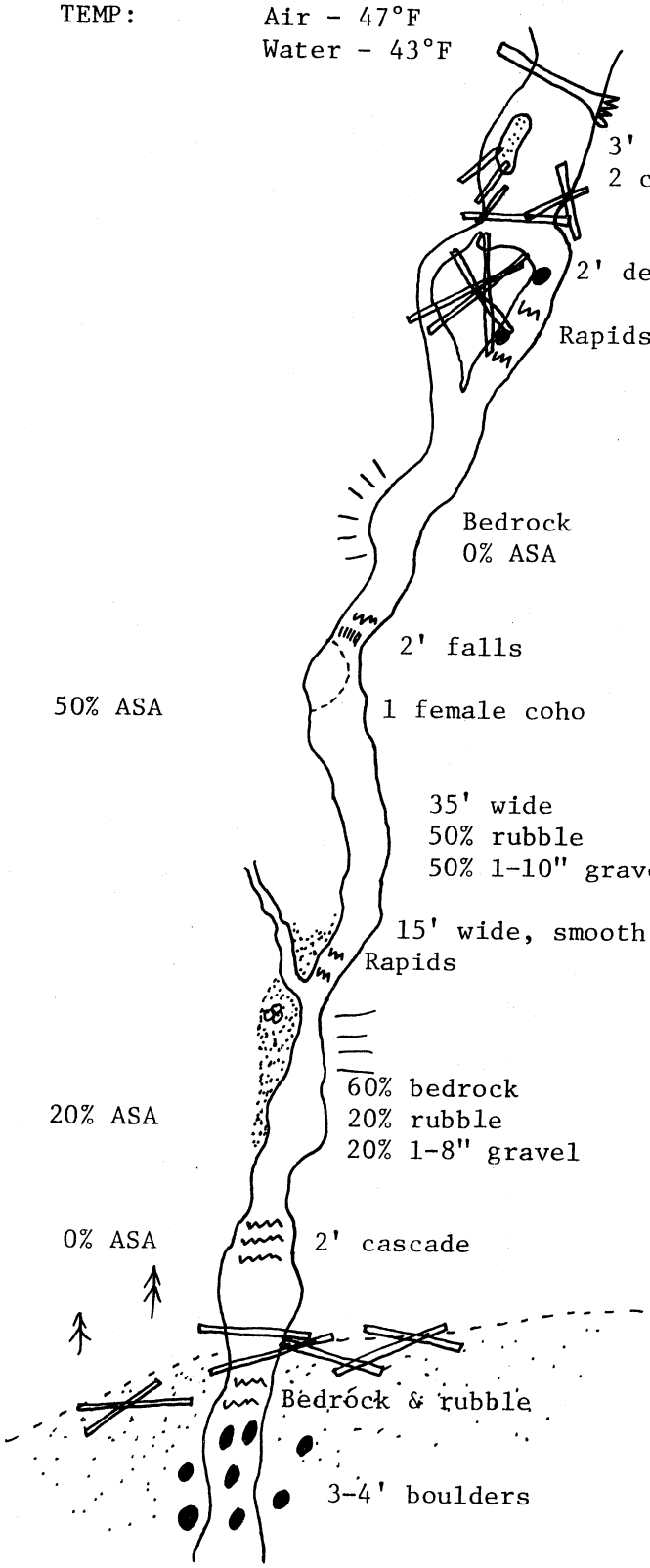
101-29-29. BARRIER, R. FORK, 11-11-76.

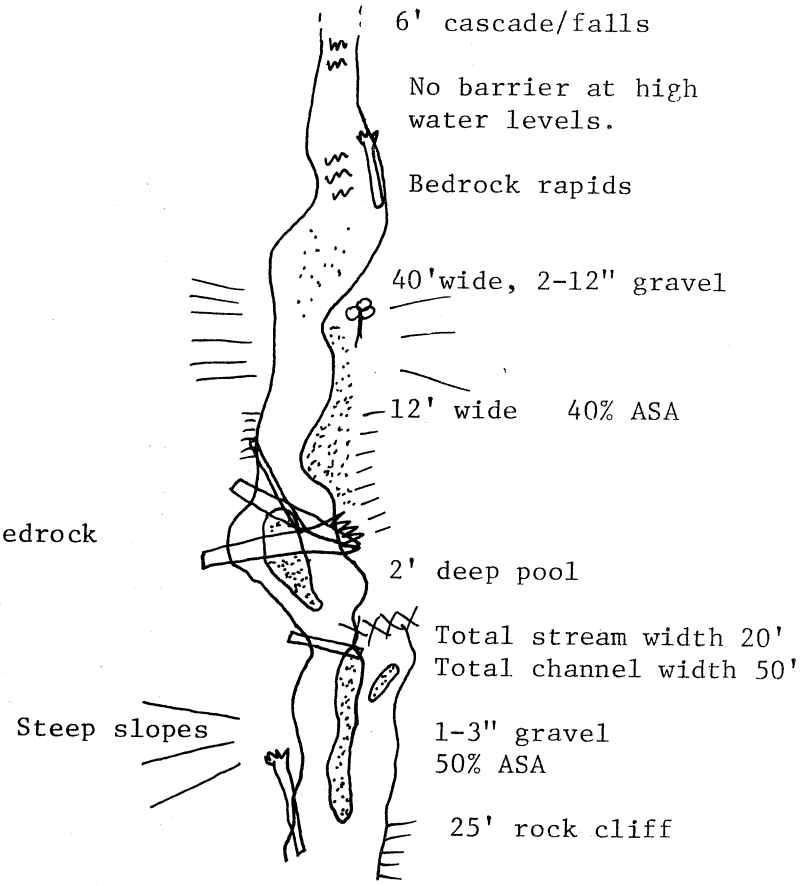


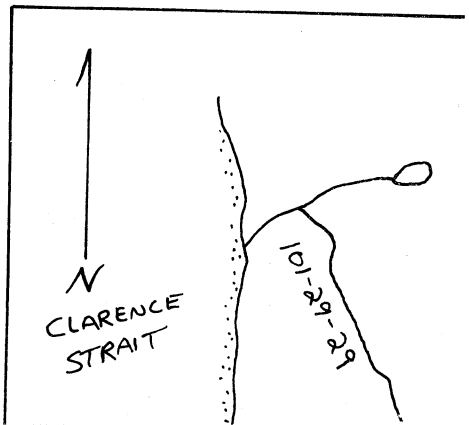
101-29-29. ITZ, 11-11-76.

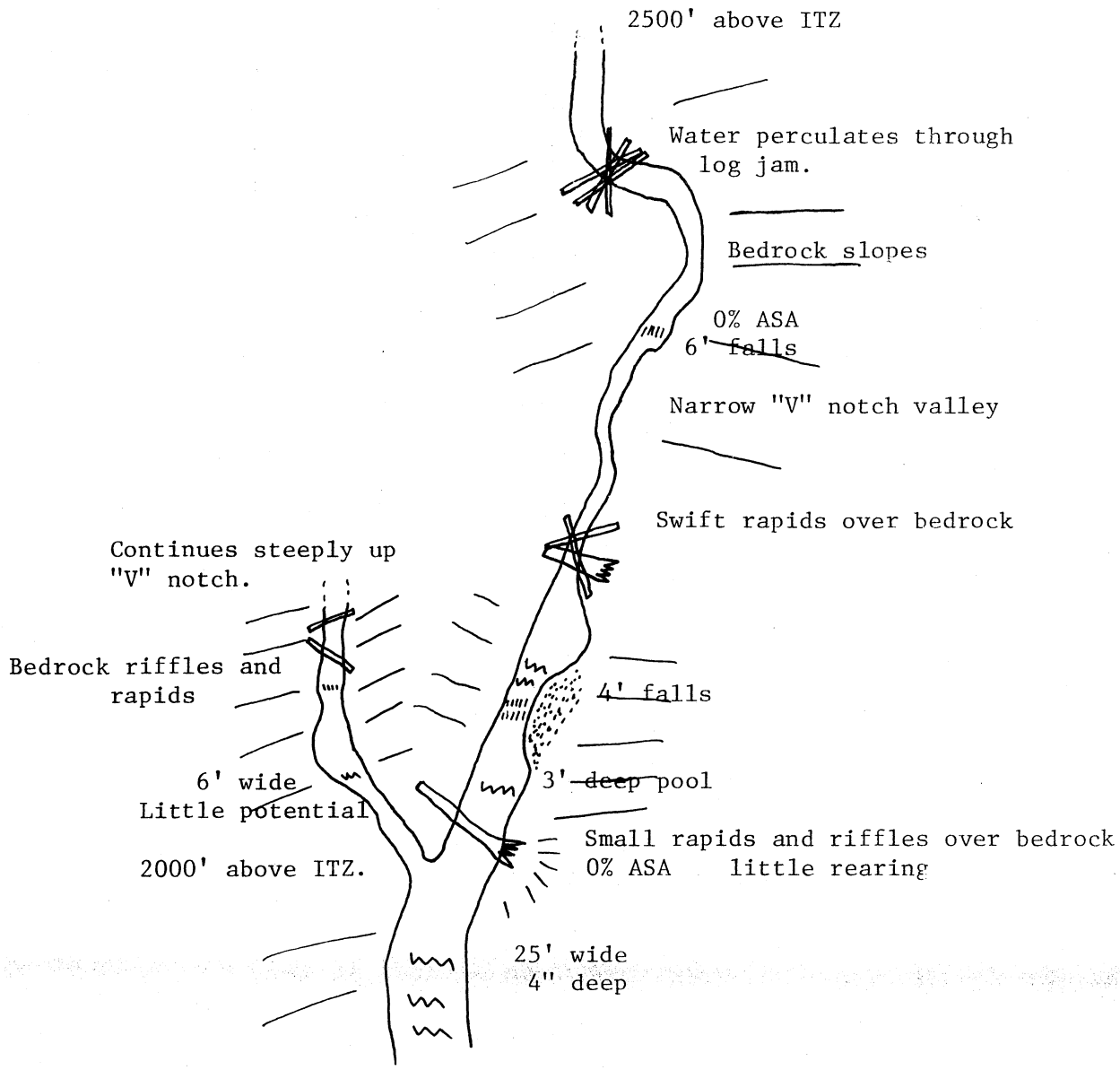
101-29-29
11-11-76
Larson, Jackinsky

FLOW: 15 cfs estimate
pH: 7.5
TEMP: Air - 47°F
Water - 43°F








2500' above ITZ
Water perculates through log jam.
Bedrock slopes
0% ASA
6' falls
Narrow "V" notch valley
Swift rapids over bedrock
Continues steeply up "V" notch.
Bedrock riffles and rapids
4' falls
6' wide
Little potential
3' deep pool
Small rapids and riffles over bedrock
0% ASA little rearing
2000' above ITZ.
25' wide
4" deep

Name:
Latitude: 55 15 06
Longitude: 131 50 14
Geodetic Map No: Ketchikan A-6,B-6
Location: Gravina Island, 3.5 miles No. Nelson Cove

Catalog No: 101- 29-29
Former Stream No: 116C, K117

Work Area: Ketchikan
Watershed Length: 3.6 miles
Drainage Area: 4.1 sq. miles
Water Supply Type: Lakes, runoff, muskeg

Trails & Survey Routes: No trails, stream easily walked.

Aerial Survey Notes: Mouth counts only.

Anchorage: Nelson Cove or Grant Creek

Tide Stage when Surveyed: 1/2

RESOURCES

COMMERCIAL FISHERIES (species, escapement, timing, spawning area):
Pink, chum. 10-7-47: 2200 live, 100 chum.
Spawning area: 929 m^2 (1000'x20'x50% ASA)
Little potential for coho due to lake of large amounts of suitable rearing area.
Timing - September.

Schooling Areas: Pools between rapids in first 1/2 mile.

Spawning Areas:

SHELLFISH POTENTIAL: None

SPORT FISHERIES: None

LAND USE (history, present, proposed): None. No signs of past activity.

REHABILITATION POTENTIAL: None needed

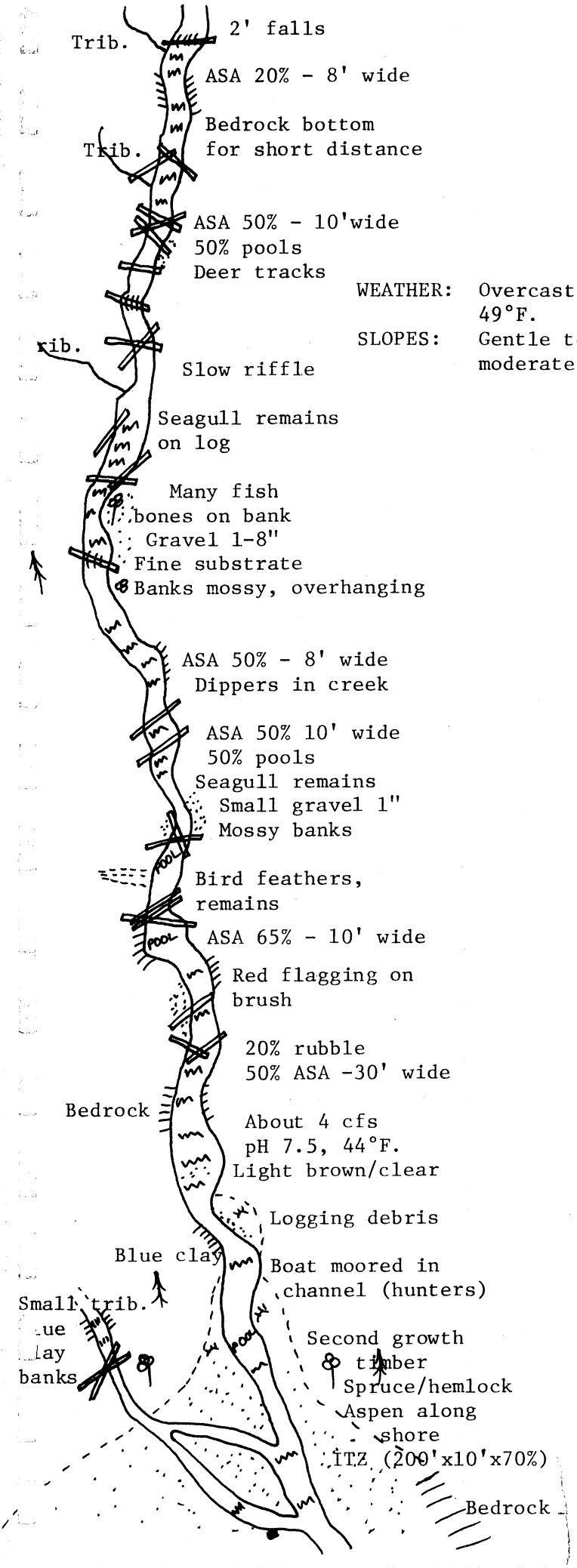
SOILS: Majority of stream bedrock several gravel banks and slides.

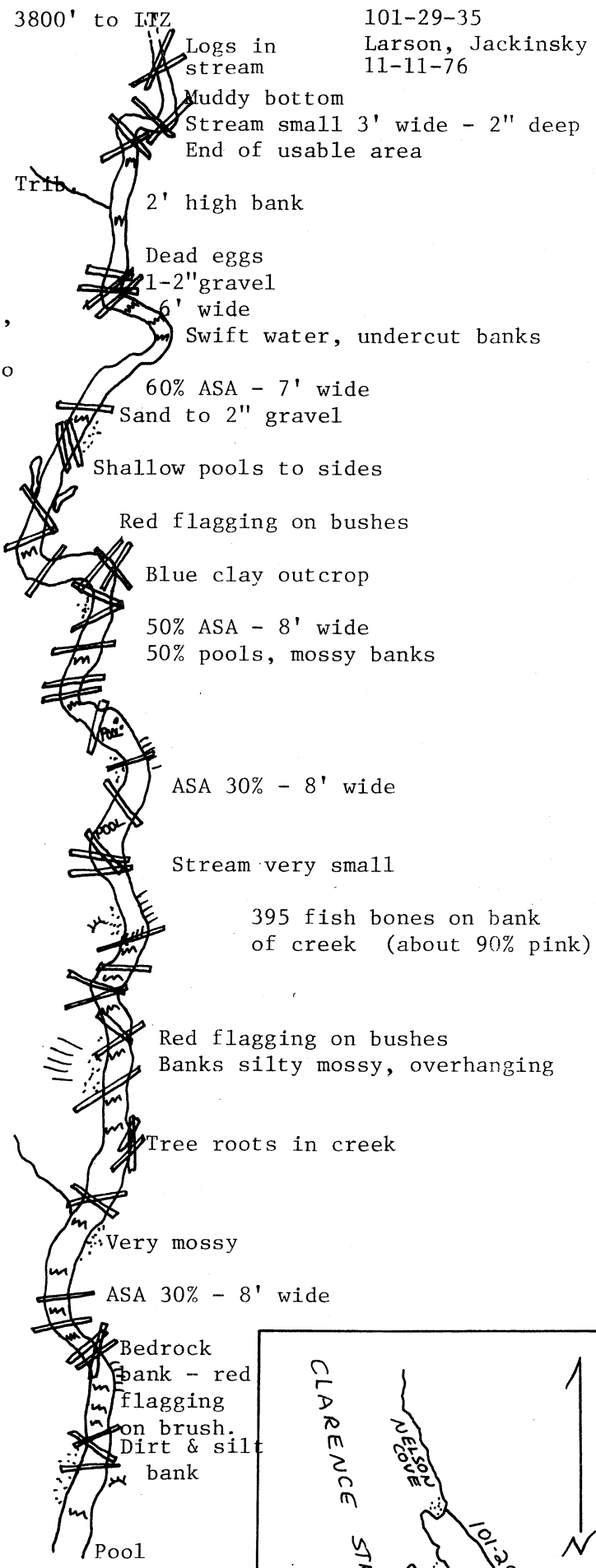
GAME RESOURCES (species, use, habitat):

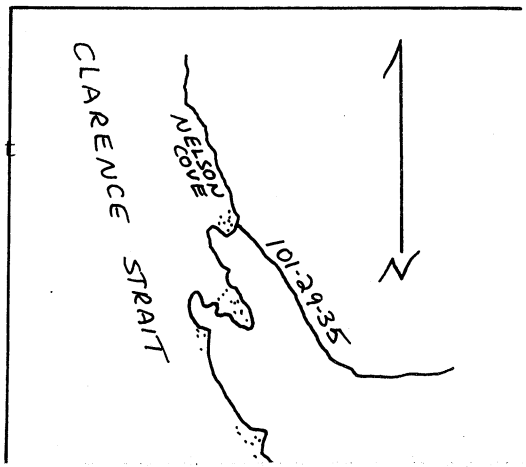
101-29-35
Larson, Jackinsky
11-11-76

WEATHER: Overcast, 49°F.

SLOPES: Gentle to moderate







Name: Nelson Cove Creek
Latitude: 55 12 08
Longitude: 131 49 17
Geodetic Map No: Ketchikan A-6
Location: Gravina Island, Clarence Strait, head Nelson Cove

Catalog No: 101-29-35
Former Stream No: K 117A, Previous No 116B

Work Area: Ketchikan
Watershed Length: 2 miles
Drainage Area: 1 sq. mile
Water Supply Type: Runoff

Trails & Survey Routes: Streambed easily walked, game trails along banks

Aerial Survey Notes: Small stream, heavily timbered area with much overhead cover. Not normally surveyed by air, mouth and intertidal counts only.

Anchorage: A fair anchorage off drop off in Nelson Cove.

Tide Stage when Surveyed: low

RESOURCES

COMMERCIAL FISHERIES (species, escapement, timing, spawning area): Pink, chum, coho. Timing Late (Sept-Oct).No coho fry or adults observed 11-11-76. Excellent rearing for coho in pools and along stream margins. 5000 pink, 500 chum, 2 coho 10-7-47.
Spawning area: 1858 m^2 (4000'x10'x50%)

Schooling Areas: Windfall pools in stream offer limited areas.

Spawning Areas: Gravel riffles in upper intertidal area and scattered throughout lower stream area.

SHELLFISH POTENTIAL: Many clam shells noted. No crab observed.

SPORT FISHERIES: None

LAND USE (history, present, proposed): Within Tongass National Forest, near enough to Kethcikan to be included within "popular" recreational area. Area logged in the past.

REHABILITATION POTENTIAL: None

SOILS: Stable throughout.

GAME RESOURCES (species, use, habitat): Bear inferred from tracks, scats, and numerous salmon remains on banks. Deer tracks, seagull remains along creek may indicate mink or martin activity as well.

Thorne Arm
101-41-05
5-14-73

More bedrock showing in stream bed in this area. Timber quality improves slightly here; below this point it is quite poor: hemlock, spruce, cedar, in equal amounts.

4' falls - continual cascades

Station #4

Cascades

Downslope movement here; would occur if these steep banks were logged.

Station #3 - the few pools present are in this area; small (10'x10').

The combination of gravel coarseness and water velocity leads me to believe this stream is one of virtually no value for anadromous fish reproduction.

Cascades

Station #2

Logs, no barrier

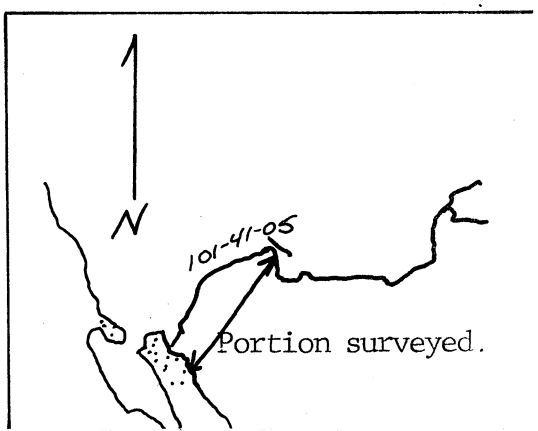
Small cascades

Steep banks and swift water = hard walking.

Narrows: banks steepen severly.

Station #1

Rocky I.T.: coarse gravel



Name _____ Catalog No. 101-41-05
Latitude N 55° 16' 55" WR No. _____
Longitude W 131° 27' 4" K No. _____
Geodetic Map No. Ketchikan - B-5 Work Area Ketchikan
Location No. of N.W. tip of Bold Is. Watershed Length 2-1/2 miles
Drainage Area of Watershed _____
Water Supply Type Lakes, muskeg, and runoff

Trails & Survey Routes Walk along stream banks. Walking difficult due to brush and steepness; many large boulders.
Aerial Survey Notes Very steep banks - timber tall above Station #4.

Anchorage Good anchorage off stream mouth in the cove.

Tide Stage When Surveyed 1st half of ebb.

FISHERY RESOURCES

Commercial Fisheries None observed - potential for coho or chum very limited to margins of riffles. Gravel very large.
Escapement No record. Spawning area limited to margins of I.T. area. 9-19-73, 7 dead, 8 live pink just above high tide line. Spawning area: 200 m^2 (est.)
Species Composition None observed.

Timing Unknown
Schooling areas A few 10x10 pools found above station #3.

Shellfish Potential Rocky intertidal, no mud or eel grass.

Sport Fisheries One minnow trap set for 1 hour with no catch.

Land Use at Present None

History of Land Use none

Rehabilitation Potential Few logs, low spawning potential.

Soils Mostly stable, some downslope movement by station 3. Banks steep fro- 200 yards above high tide 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	0
	Estimate depth out from beach	0
	Eel grass present on what percent of flats	0

STREAM INVENTORY FORM

Name: _____

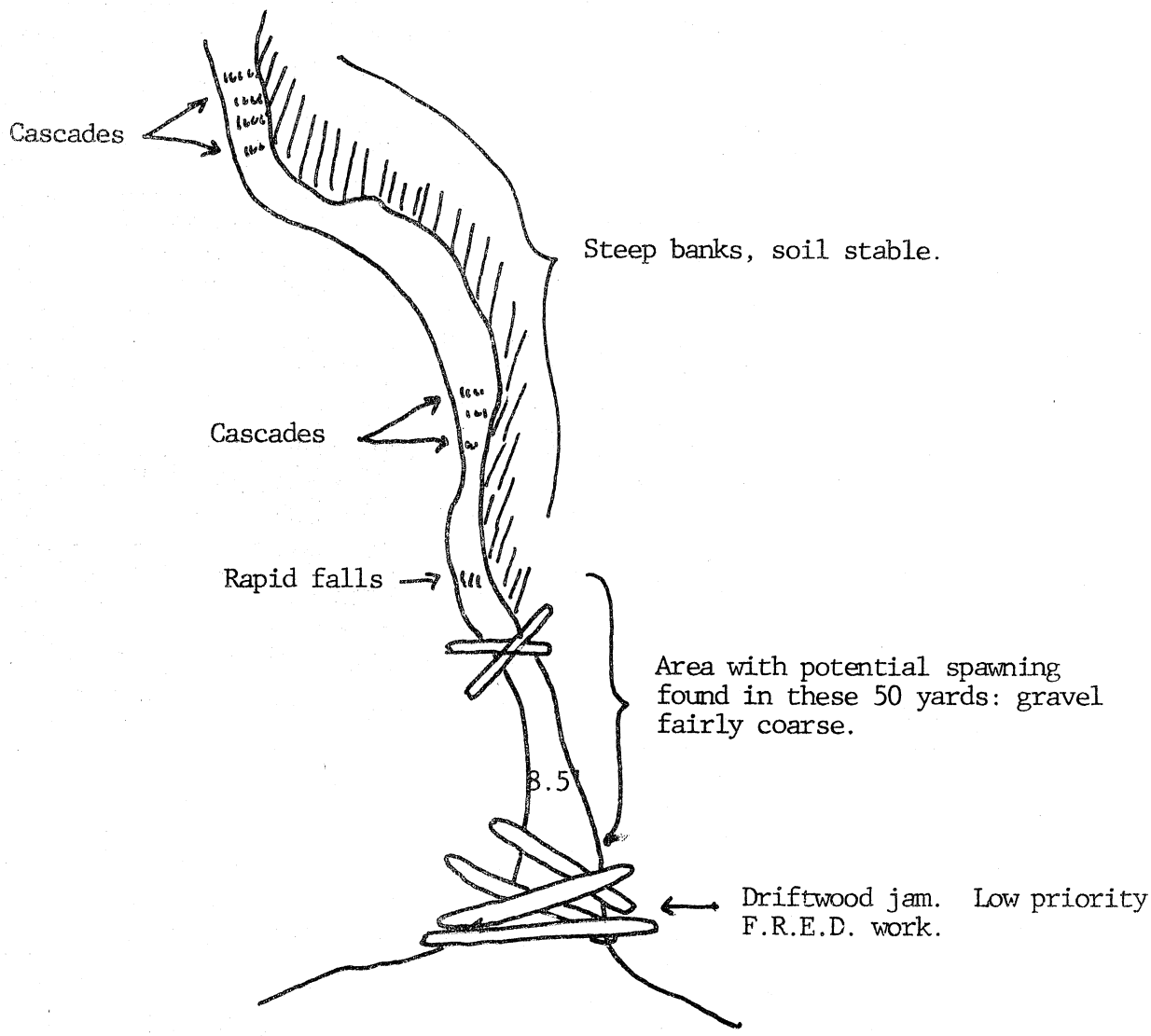
Number: 101-31-05

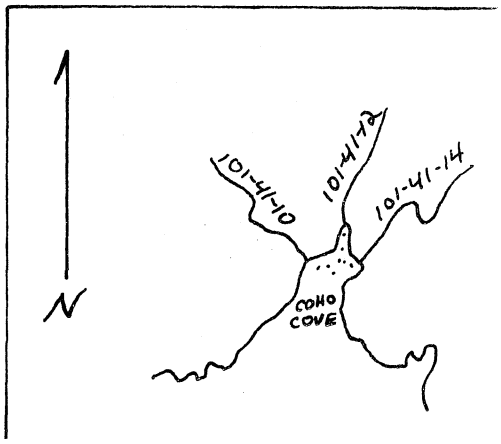
Observers: Downey, Dinneford
Date: 5-14-73
Temperature: 66
Weather: Sunny

Station No.	1	2	3	4												
Pool Size/Type	0	0	3/1	3/1												
Riffle Type Width-Depth	33'W 1'D	28'W 1'D	20'W 1'D	20'W 1'D												
Pool Riffle Frequency	3	3	3	3												
Bottom Type (Riffle)	4	4/5	4	4												
Color/Turbidity	1	1	1	1												
Velocity	2	2	2	2												
Flow (C.F.S.)	66.97															
Temp. (°F.)	42	42	41	41												
pH	5	5	5	5												
Fry Abundance																
Benthos Sample No.																
Higher Plant Class	3/1	1/2	2/1	1												
Aquatic Veg. Density	3	2	3	2												
Ident. (1) Mosses (2) Algae	2	1	1	1												

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

101-41-10
5-11-73





Name

Catalog No. 101-41-10

Latitude N 55° 16' 22"

WR No.

Longitude W 131° 22' 18"

K No.

Geodetic Map No. Ketchikan - B-5

Work Area Ketchikan

Location Left head of Coho Cove

Watershed Length 1-1/2 miles

Drainage Area of Watershed

Water Supply Type Runoff and muskeg.

Trails & Survey Routes Walk along banks or in stream.

Aerial Survey Notes Vegetation crowds stream banks.

Anchorage Off mouth of stream at head of cove.

Tide Stage When Surveyed 1st half of ebb.

FISHERY RESOURCES

Commercial Fisheries Possible use by coho and pink; 100 yards, maximum, spawning gravel.

Escapement No record. Limited spawning area. No fish observed 9-19-73.

Species Composition None observed.

Timing Unknown

Schooling areas Off mouth of cove.

Shellfish Potential None - intertidal rocky.

Sport Fisheries Rainbow utilization possible above driftwood jam in mouth.

Land Use at Present None

History of Land Use None

Rehabilitation Potential Driftwood jam at mouth offers low priority work.

Soils Presently stable, but foresee slimpage from areas above 50 yards upstream (banks steep in this area).

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

STREAM INVENTORY FORM

Name: _____

Number: 101-41-10

Observers: Downey, Dinneford
Date: 5-11-73 3:00 pm
Temperature: 64
Weather: Sunny, warm

10 min. walking intervals.

Station No.	1															
Pool Size/Type	0															
Riffle Type Width-Depth	12'W 6"D															
Pool Riffle Frequency	3															
Bottom Type (Riffle)	4															
Color/Turbidity	1															
Velocity	2															
Flow (C.F.S.)	2.8															
Temp. (°F.)	41															
pH	5															
Fry Abundance	0															
Benthos Sample No.																
Higher Plant Class	3															
Aquatic Veg. Density Ident. (1) Mosses (2) Algae	1 2															

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

Head Coho Cove
101-41-12
5-11-73

6 : stopped here. 20' barrier falls. 10 minutes to lake.

Mostly bedrock. Stream is narrow = torrential. Higher elevation. Scrubby timber. Spawning potential is zero.

5

Still steep gradient some slumpaing - could be soils problem if logged. 4"-6" gravel. Swift flow but some limited spawning potential.

2.5' falls over log

4

Banks still steep. A little slumpage in this area. Some limited spawning potential.

Small open area with slumpage and a few trees down.

3

Small islands

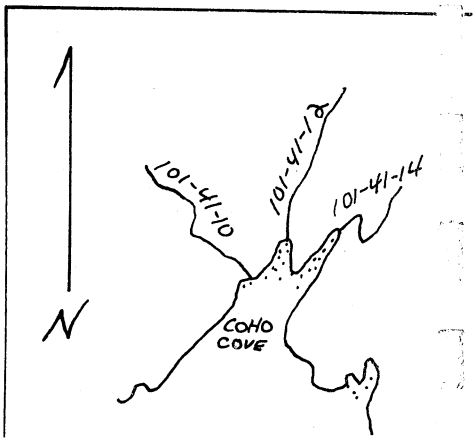
The best spawning and utilization is from this point downstream. Banks fairly stable to this point but becomes unstable upstream.

2

Trib. 1

Generally brushy along the stream and hard walking. Some trees in and across stream but not excessive.

1



Name Coho Cove Creek
Catalog No. 101-41-12
Latitude N 55° 16' 31"
WR No.
Longitude W 131° 22' 0"
K No. 101
Geodetic Map No. Ketchikan - B-5
Work Area Ketchikan
Location Center of Coho Cove
Watershed Length 2-1/4miles
Drainage Area of Watershed 3.4 square miles
Water Supply Type Lakes, runoff, and muskeg.

Trails & Survey Routes Walking in and along stream; harder to walk above station 2 because of steepness, brush.
Aerial Survey Notes Steep banks, some trees in stream.

Anchorage Off mouth of stream

Tide Stage When Surveyed 1st half of ebb.

FISHERY RESOURCES
Commercial Fisheries Pink, chum, and coho found by F.R.I. and F.W.S. in the past.

Escapement 1953, 150 coho; 1950, 310 pink, 4 chum; 1947, 734 pink, 38 chum, 1 coho.
spawning area: (600'x20'x60% ASA) 669 m^2. 9-19-73 - 50 dead, 25 live off mouth, I.T. - 300 dead, 50 live pink, upstream - 200 dead, 100 live pink, 1 sockeye.
Species Composition: 75% pink, 10% chum, 25% coho.
Timing Coho, late August; pink and chum late Sept.-Oct.
Schooling areas Upper intertidal; some pools in lower area.

Shellfish Potential None, intertidal rocky.

Sport Fisheries Two hour minnow trap set caught 1 rainbow smolt.

Land Use at Present None

History of Land Use None

Rehabilitation Potential A few trees in stream.

Soils Above station 2 some downslope movement noticed. Banks very steep.

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	1
Tide flats -	Estimate length along beach	0
	Estimate depth out from beach	0
	Eel grass present on what percent of flats	0

STREAM INVENTORY FORM

Name: _____

Number: 101-41-12

Observers: Downey, Dinneford
Date: 5-11-73
Temperature: 50
Weather: High overcast

10 minute walking intervals.

Station No.	1	2	3	4	5	6										
Pool Size/Type	0	1/2	3/2	2/2	3/2	2/2										
Riffle Type Width-Depth	30'W 8"D	12'W 8"D	16.5W 9"D	13'W 10"D	10'W 14"D	14'W 18"D										
Pool Riffle Frequency	3	3	3	3	3	3										
Bottom Type (Riffle)	4	4	4	4	4	6										
Color/Turbidity	1	1	1	1	1	1										
Velocity	2	2	2	2	2	2										
Flow (C.F.S.)	19.2															
Temp. (°F.)	38	38	38	38	38	38										
pH	5	5	5	5	5	5										
Fry Abundance																
Benthos Sample No.	1				2											
Higher Plant Class	2	1	1	1	1	1/3										
Aquatic Veg. Density	2	2	2	2	2	1										
Ident. (1) Mosses (2) Algae	2	1/2	1	1	1/2	1										

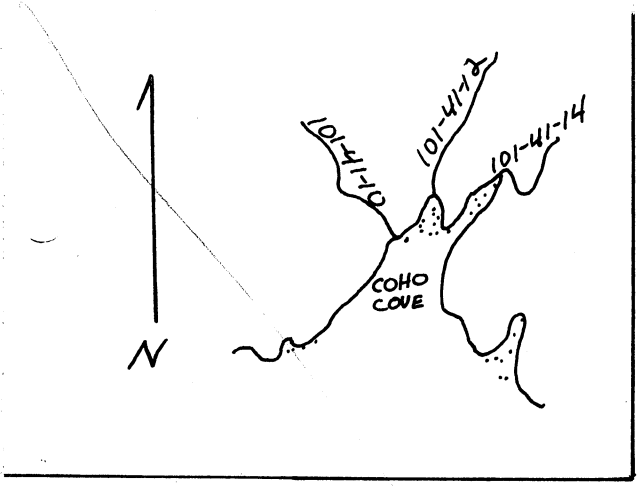
General Remarks (rehab., land use, barriers, log jams, etc.):

PEAK ESCAPEMENT RECORD

Coho Cove
101-41-12

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
8-30-62				40 @ mouth.

101-41-14
5-11-73



LAKE

Station #5 } 50 yd. riffle; best in stream, but only marginal.

} 50 foot pool

Station #4

Falls of 4' - doesn't appear to be a barrier.

Station #3

Cascades - similar to majority of stream.

Rapid falls of 3'

Station #2

Stream narrows

Rapid falls.

Cascades - gravel very coarse

Station #1

34'

Banks very steep for most of the length of this stream (nearly vertical at Station #2). Down slope movement noticed at Stations 2, 4, and 5. Timber poor to good, pretty spindly.

Anadromous spawning value probably nil. The 50 yards directly below the first lake could offer limited possibilities. One 6" rainbow trout taken in a minnow trap at Station #2.

A hard stream to walk; rapid water, in a canyon.

I.T. is rubble and coarse gravel. Probably no spawning would occur.

Name _____ Catalog No. 101-41-14
Latitude N 55° 16' 18" WR No. _____
Longitude W 131° 22' 8" K No. _____
Geodetic Map No. Ketchikan - B-5 Work Area Ketchikan
Location Right head of Coho Cove Watershed Length 2-1/2 miles
Drainage Area of Watershed _____
Water Supply Type A series of lakes feed this stream.

Trails & Survey Routes Walking difficult due to the majority of the stream running through a steep canyon.
Aerial Survey Notes Banks very steep.

Anchorage Off rocky beach in stream channel.

Tide Stage When Surveyed 2nd half of ebb.

FISHERY RESOURCES

Commercial Fisheries Limited producer of pink and chum salmon.

Escapement 1950, 10 pink, 2 chum; 1947, 200 pink, 24 chum. Limited spawning area. Rearing in lake and stream. No spawners observed 9-19-73.
Species Composition 90% pink, 10% chum/

Timing Late. September-October
Schooling areas Upper intertidal

Shellfish Potential None

Sport Fisheries 1 rainbow fry taken in minnow trap at Station 2 in 1/2 hour set; getting in is the problem.
Land Use at Present None

History of Land Use None

Rehabilitation Potential Stream too steep to offer much potential.

Soils Very steep canyon -- downslope movement noticed at Stations 2, 4, and 5. Unstable conditions up to 100 yards below lower lake.

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	1
Tide flats -	Estimate length along beach	0
	Estimate depth out from beach	0
	Eel grass present on what percent of flats	0

Omitted from new Anadromous Catalog April 1982.

STREAM INVENTORY FORM

Name:

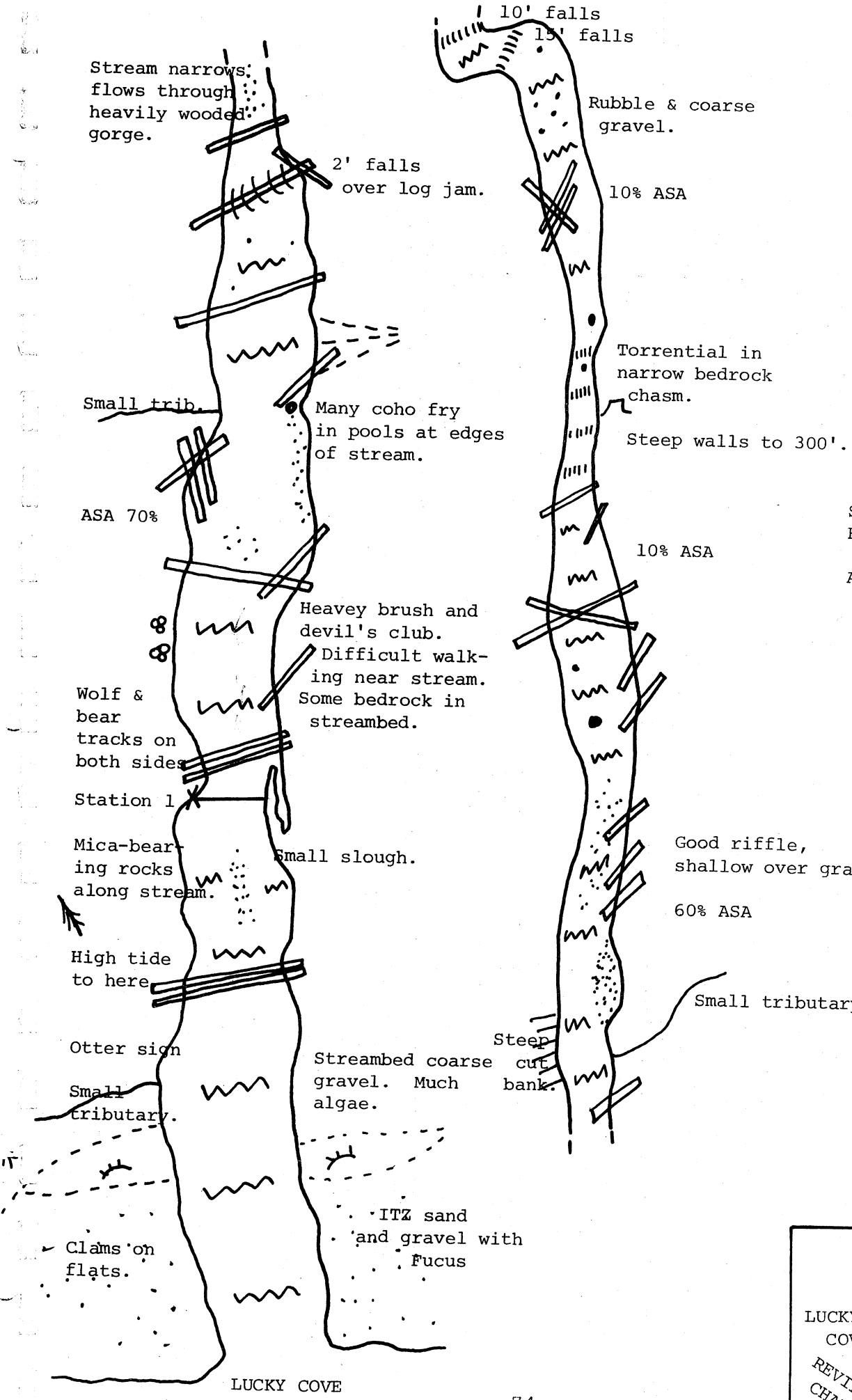
Number: 101-41-14

Observers: Downey, Dinneford
Date: 5-11-73
Temperature: 69 1;30 pm
Weather: Scattered clouds

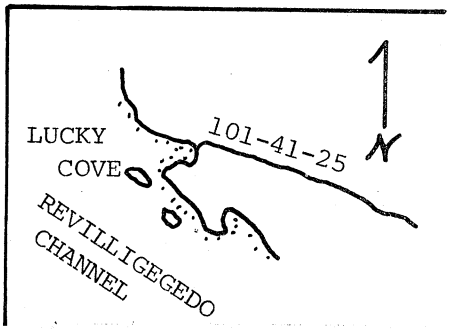
Station No.	1	2	3	4	5											
Pool Size/Type	1/2	1/1	1/1	1/1	2/2											
Riffle Type Width-Depth	34'W 18"D	28'W 4'D	23'W 3'D	18'W 2'D	18'W 1'D											
Pool Riffle Frequency	2	3	3	2	2											
Bottom Type (Riffle)	4/5	5/6	5/6	5/6	4/5											
Color/Turbidity	1	1	1	1	1											
Velocity	2	2	2	2	2											
Flow (C.F.S.)	74.89															
Temp. (°F.)	43	43	43	43	43											
pH	5	5	5	5	5											
Fry Abundance		3-1														
Benthos Sample No.																
Higher Plant Class	1	2	2	2/3	3											
Aquatic Veg. Density	3	3	3	3	2											
Ident. (1) Mosses (2) Algae	2	2	2	1	1											

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

101-41-25
6-23-76
Larson, Jackinsky



SLOPE: Mod/Steep
BANKS: Mossy or grassy, stable.
ACCESSIBLE LENGTH: 1 mi.



Name:
Latitude: 55 12'42"
Longitude: 131 15' 32"
Geodetic Map No.: Ketchikan A-4, B-4
Location: Lucky Cove, head.

Catalog No.: 101-41-25
WR No.: 105
K No.: K105
Work Area: Ketchikan
Watershed Length: 6.5 miles
Drainage Area: 8 sq. miles

Water Supply Type: Lake system, muskeg, runoff.

Trails & Survey Routes: Difficult walking during high water. Game trails along south bank (difficult), trapper trail on south ridge beginning in S.E. corner of cove.
Aerial Survey Notes: Restricted visibility under most conditions - amber color water, dark bottom, deep canyon and high trees.
Anchorage: Lucky Cove.

Tide Stage when Surveyed:

FISHERY RESOURCES

Commercial Fisheries: Pink, chum, coho, red mentioned in escapement records (8-29-51)

Escapement: 9-20-56: 70,000 pink, 1600 chum. 9-25-49: 5479 pink (live) 93 (dead), 181 chum (live) 9 (dead), 2 coho. Spawning area - 7358 m^2 (5280'x30'x50% ASA)
Species Composition: Pink, chum, coho and red.

Timing: Late.
Schooling Areas: 1/10 mile above grassflats, pools throughout stream, especially lower pools and at base of terminal falls.
Shellfish Potential: Good bed of steamers on flats.

Sport Fisheries: Cutthorat trout in lake.

Land Use at Present: Excellent deer hunting in area, well utilized anchorage.

History of Land Use: Unknown.

Rehabilitation Potential: Good coho, sockeye rearing area in lakes and upper watershed. Falls should be examined for alteration.
Soils: Stable.

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

STREAM INVENTORY FORM

Name: _____

Number: 101-41-25

Observers: Larson, Jackinsky
Date: 6-23-76
Temperature: 51
Weather: Overcast, rain

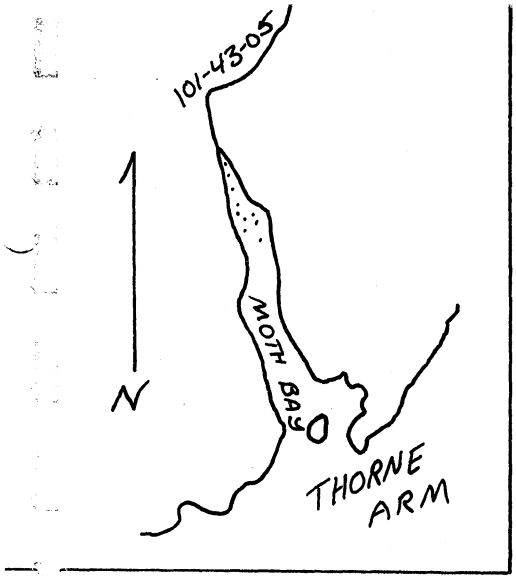
Station No.	1															
Pool Size/Type	3/2															
Riffle Type Width-Depth	50'W 1.4'D															
Pool Riffle Frequency	3															
Bottom Type (Riffle)	4															
Color/Turbidity	3/2															
Velocity	2															
Flow (C.F.S.)	218															
Temp. (°F.)	52															
pH	7.0															
Fry Abundance	0															
Benthos Sample No.																
Higher Plant Class	1															
Aquatic Veg. Density Ident. (1) Mosses (2) Algae	1/2 2/1															

General Remarks (rehab., land use, barriers, log jams, etc.): Many fry, mostly coho, upstream.

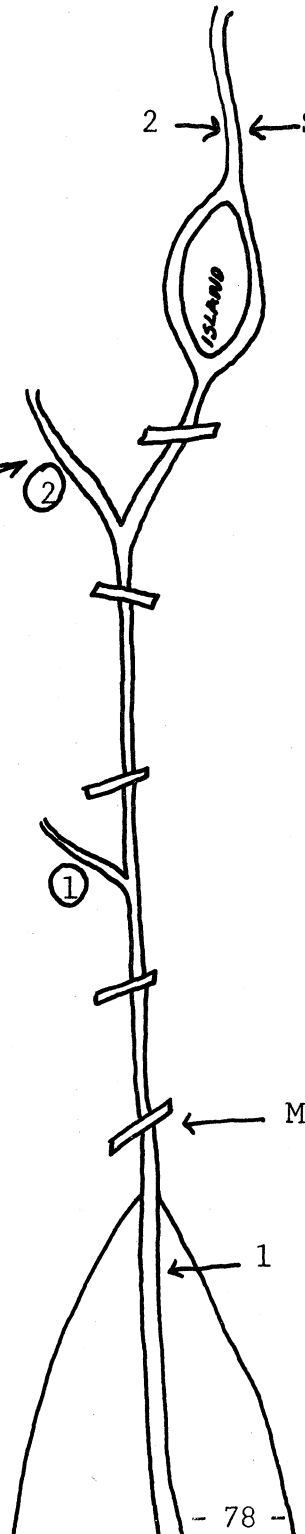
PEAK ESCAPEMENT RECORD

Lucky Cove
101-41-25

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
9-11-38				18-20,000 fish. Extremely high water.
9-21-40	6,000	500		
9-27-41	50,000			
9-14-42	30,000	5,000		2000 off mouth
9-18-42	40,000			Few chum. 40,000 off mouth.
9-26-47	8,000	100		
9-28-48	5,000 (1st .3 mi)			Excellent-estimate 20,000 to the mile.
9-25-49	5,474	181	2 coho	93 dead pink, 9 dead chum. (100 coho observed 7-8)
9-26-50	4,725	215		1 dead coho.
9-25-51	7,650	160	few coho	188 dead pink, 85 dead chum. 5-8,000 fish off mouth.
10-8-52	380	4		600 dead pink.
10-1-53	238	1		78 dead pink.
9-27-54	15,600			Some chum.
9-25-55	10,000			
9-20-56	70,000	1,600		3,000 pink at mouth.
9-15-57	>200			Some chum.
9-5-62	950			Many @ mouth. Well distributed.
8-27-63	few			Poor visibility.
8-23-65				15,000 @ mouth & I.T.
9-12-66				5,000 @ mouth. Vis. poor in stream, good off mouth.
8-14-67				1 jump. Good visibility.
8-21-73				800 @ mouth. Visibility fair.
8-20-74				2000 @ mouth & I.T. Vis. fair.
8-11-75				3-4000 @ I.T.



Moth Bay Creek
101-43-05
5-12-73



2 → ← Stopped here. Narrows and continues upstream steeply.

Stream narrows and steepens from this point upstream. Potential for fish is poor.

Little or no potential here. → (2)

It appears that the best potnetial is from this point downstream.

(1)

Short lived stream.

← Minnow trap - 1/2 hour (4 coho fry)

← 1

Name Moth Bay Creek
Catalog No. 101-43-05
Latitude N 55° 22' 44"
WR No.
Longitude W 131° 20' 37"
K No.
Geodetic Map No. Ketchikan - B-5
Work Area Ketchikan
Location Head of Moth Bay
Watershed Length 1 mile
Drainage Area of Watershed
Water Supply Type Lake at head of stream.

Trails & Survey Routes Walking in stream and along banks easy.

Aerial Survey Notes Fair visibility, trees along banks scrubby.

Anchorage Well protected between inner island and mouth on west side of mouth.

Tide Stage When Surveyed 1 hour before high.

FISHERY RESOURCES

Commercial Fisheries Coho (4 fry captured); potential for pink salmon fair.

Escapement None on record. (1100'x11'x 30% ASA) spawning area - 337 m^2. No live fish or carcasses, redds or other sign of spawning fish 9-13-73.

Species Composition Unknown

Timing Unknown

Schooling areas None

Shellfish Potential Low to non-existant - some crabs may be found in the bay.

Sport Fisheries Possibly coho or trout fishing to be had in the lower reaches.

Land Use at Present None

History of Land Use None

Rehabilitation Potential Little work required. A few non-barrier logs in stream.

Soils Gradient low, increasing slightly 300 yards upstream, banks stable, a few logs across stream.

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	35'
	Eel grass present on what percent of flats	< 5%

STREAM INVENTORY FORM

Name: _____

Number: 101-43-05

Observers: Downey, Dinneford
Date: 5-12-73 10:00 am
Temperature: 44
Weather: Light rain

10 minute walking intervals.

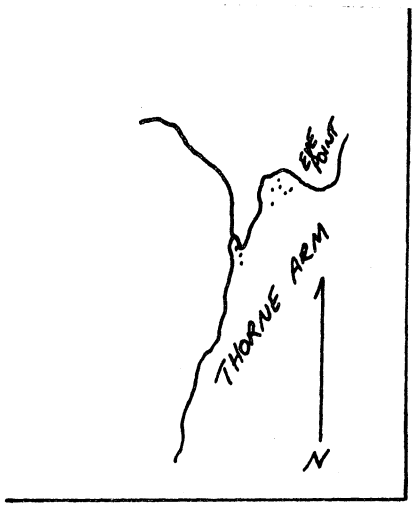
Station No.	1	2														
Pool Size/Type	0	1/3														
Riffle Type Width-Depth	14'W 5"D	9'W 3"D														
Pool Riffle Frequency	3	3														
Bottom Type (Riffle)	4	4														
Color/Turbidity	1	1														
Velocity	2	2														
Flow (C.F.S.)	3.8															
Temp. (°F.)	45	45														
pH	5	5														
Fry Abundance	1/4	0														
Benthos Sample No.	1	2														
Higher Plant Class	1	2														
Aquatic Veg. Density Ident. (1) Mosses	3	3														
(2) Algae	2	2														

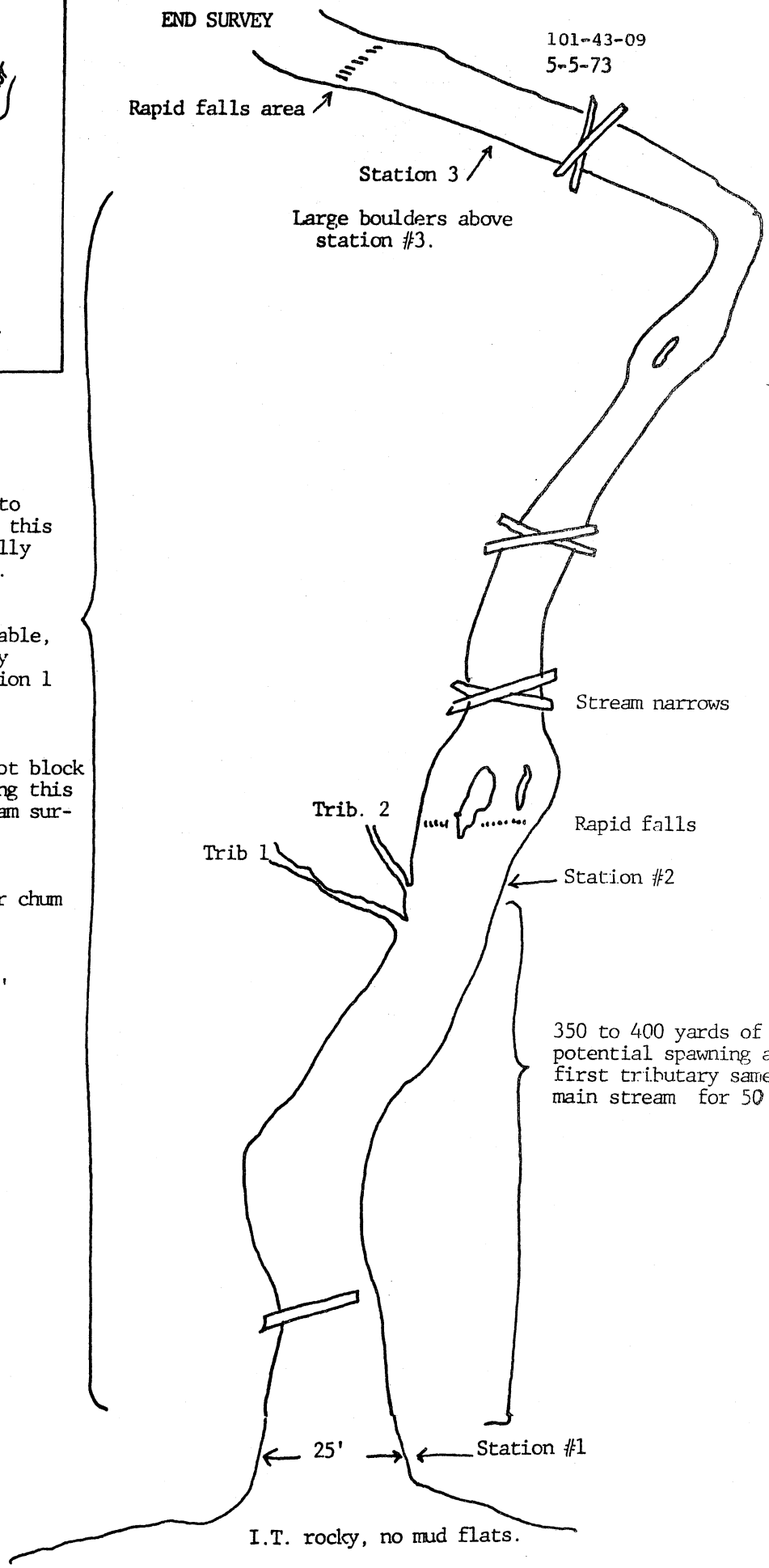
General Remarks (rehab., land use, barriers, log jams, etc.):

PEAK ESCAPEMENT RECORD

Moth Bay
101-43-05

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
8-21-73				900 @ mouth. Visibility fair.





Timber is good to excellent along this stream, especially the lower parts.

Soil is very stable, banks moderately steep from Station 1 to Station 2.

Down trees do not block fish access along this portion of stream surveyed.

Possible coho or chum utilization.

Water level 2-3" high at time of survey.

Name _____ Catalog No. 101-43-09
Latitude N 55° 19' 23" WR No. _____
Longitude W 131° 16' 25" K No. _____
Geodetic Map No. Ketchikan - B-4 Work Area Ketchikan
Location S.W. of Eve Point 1/2 mile Watershed Length 2 miles
Drainage Area of Watershed _____
Water Supply Type Runoff, precipitation

Trails & Survey Routes Walking along stream bank good most of length. Some trees to climb over.
Aerial Survey Notes Hard to observe, tall trees to banks.

Anchorage Very open to S.E. weather off mouth.

Tide Stage When Surveyed 1st half of flood

FISHERY RESOURCES

Commercial Fisheries 400 yards of low to mid potential gravel. Gravel mostly large to small boulders.
Escapement None on record. Spawning area = 1784 m^2 (1200'x20'x 80% ASA). No live fish or carcasses, redds or other sign of spawning fish, 9-13-73.
Species Composition No fry observed.

Timing Unknown
Schooling areas None

Shellfish Potential None

Sport Fisheries Rainbow, cutthroat

Land Use at Present None

History of Land Use None

Rehabilitation Potential A few logs in stream, no barriers.

Soils Good stable banks; however, steep gradients present in area of best gravel.

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

STREAM INVENTORY FORM

Name:

Number: 101-43-09

Observers: Downey, Dinneford

Date: 5-5-73

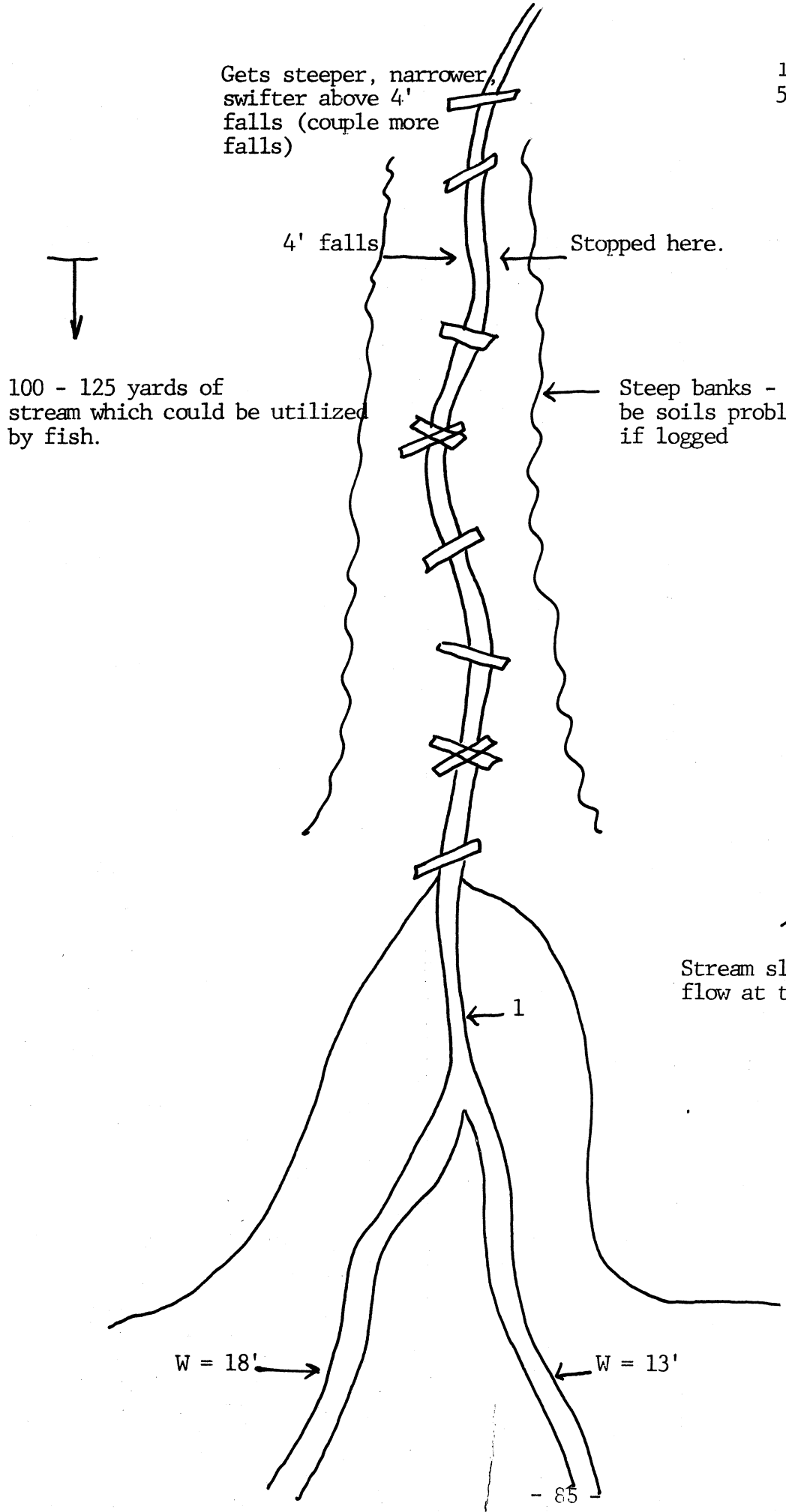
Temperature: 45

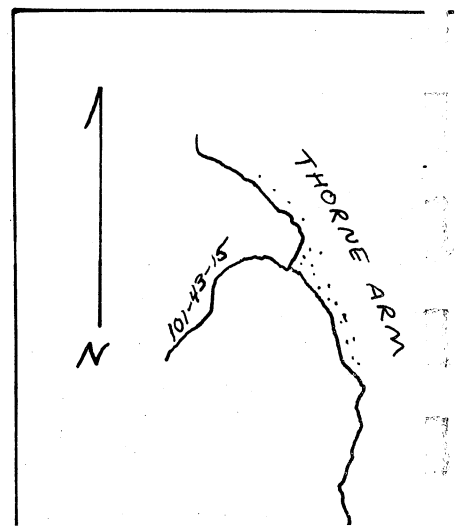
Weather: Low overcast - rain

Station No.	1	2	3													
Pool Size/Type	3	3	3													
Riffle Type Width-Depth	25'W 1.3'D	18'W 1'D	17'W 1'D													
Pool Riffle Frequency	3	3	3													
Bottom Type (Riffle)	4	4	4													
Color/Turbidity	1	1	1													
Velocity	2	2	2													
Flow (C.F.S.)	39.3															
Temp. (°F.)	39	39	39													
pH	6	6	6													
Fry Abundance																
Benthos Sample No.																
Higher Plant Class	1/3	1	1													
Aquatic Veg. Density	3	3	3													
Ident. (1) Mosses (2) Algae	2	2	2													

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

101-43-15
5-5-73





Name

Catalog No. 101-43-15

Latitude N 55° 20' 32"

WR No.

Longitude W.131° 15' 49"

K No.

Geodetic Map No. Ketchikan - B-4

Work Area Ketchikan

Location So. of Snipe Islands

Watershed Length 1-1/4 miles

Drainage Area of Watershed

Water Supply Type Runoff, springs.

Trails & Survey Routes Walk survey in stream.

Aerial Survey Notes Steep banks, many trees across stream.

Anchorage Off mouth - no protection from any weather.

Tide Stage When Surveyed Low tide.

FISHERY RESOURCES

Commercial Fisheries 100 yards of usable gravel - no fry observed.

Escapement None on records. None observed 5-5-73. 6 live pinks, 1 dead at high tide zone 9-13-73. Spawning area = 261 m^2 (375'x15'x50% ASA)

Species Composition None observed

Timing Unknown

Schooling areas None

Shellfish Potential None

Sport Fisheries None

Land Use at Present None

History of Land Use None

Rehabilitation Potential A few logs in stream but not worth the time to remove.

Soils Banks are steep above the treeline with minor sluffing of soil.

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

STREAM INVENTORY FORM

Name:

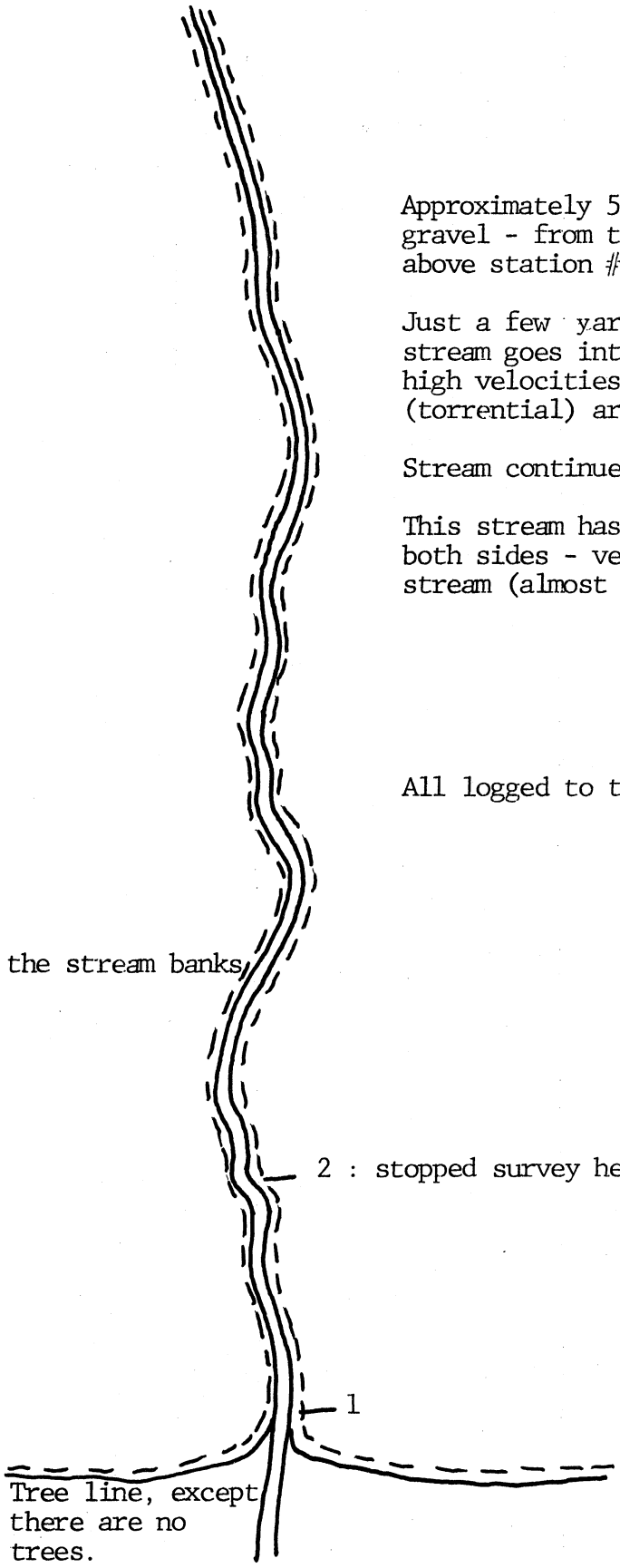
Number: 101-43-15

Observers: Downey, Dinneford
Date: 5-5-73
Temperature: 36
Weather: Overcast, rain

Station No.	1															
Pool Size/Type	0															
Riffle Type Width-Depth	15'W 1'D															
Pool Riffle Frequency	3															
Bottom Type (Riffle)	4															
Color/Turbidity	1															
Velocity	2															
Flow (C.F.S.)	12.5															
Temp. (°F.)	39															
pH	6															
Fry Abundance																
Benthos Sample No.																
Higher Plant Class	2															
Aquatic Veg. Density Ident. (1) Mosses (2) Algae	2 2															

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

101-43-16
5-4-73



Approximately 50 yards of available spawning gravel - from the lower I.T. to a few yards above station #1.

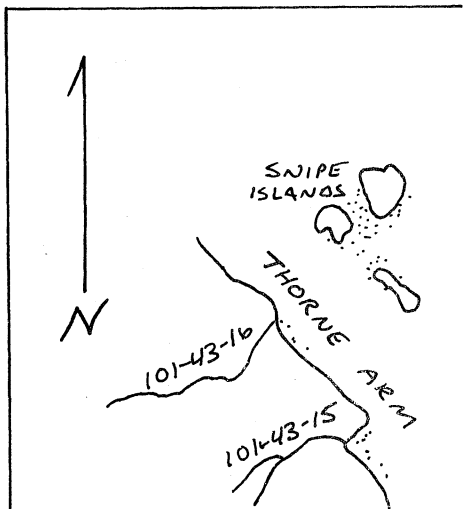
Just a few yards above station #1 the stream goes into a very steep gradient with high velocities, bedrock and much rapids (torrential) area with some minor falls.

Stream continues very steeply above area 2.

This stream has been logged to the banks on both sides - very little debris is in the stream (almost none- too swift).

All logged to the stream banks.

All logged to the stream banks.



Name _____ Catalog No. 101-43-16
Latitude N. 55° 21' 2" WR No. _____
Longitude W. 131° 16' 18" K No. _____
Geodetic Map No. Ketchikan - B-4 Work Area Ketchikan
Location S.W. Snipe Islands Watershed Length 2-1/4 miles
Drainage Area of Watershed _____
Water Supply Type Runoff, small lake.

Trails & Survey Routes Walk along rocky banks (hard walking); stream too swift to walk in.
Aerial Survey Notes Logged to banks, excellent visibility.

Anchorage Very poor off mouth; rocky I.T. open to the Southeast.

Tide Stage When Surveyed High

FISHERY RESOURCES

Commercial Fisheries Low potential. (50 yards gravel maximum)

Escapement No records. 9-13-73; upstream 30 live pink, 3 dead pink 1st pool above ITZ. Spawning area: 42 m^2 (150'x15'x20% ASA)
Species Composition No record, none observed.

Timing Unknown
Schooling areas None

Shellfish Potential None

Sport Fisheries Possible rainbow.

Land Use at Present None

History of Land Use Logged in the past, probably within 5 years.

Rehabilitation Potential Poor - stream too swift to support more than a few coho.

Soils Banks mostly rocky, relatively 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	1
Tide flats -	Estimate length along beach	0
	Estimate depth out from beach	0
	Eel grass present on what percent of flats	0

STREAM INVENTORY FORM

Name: _____

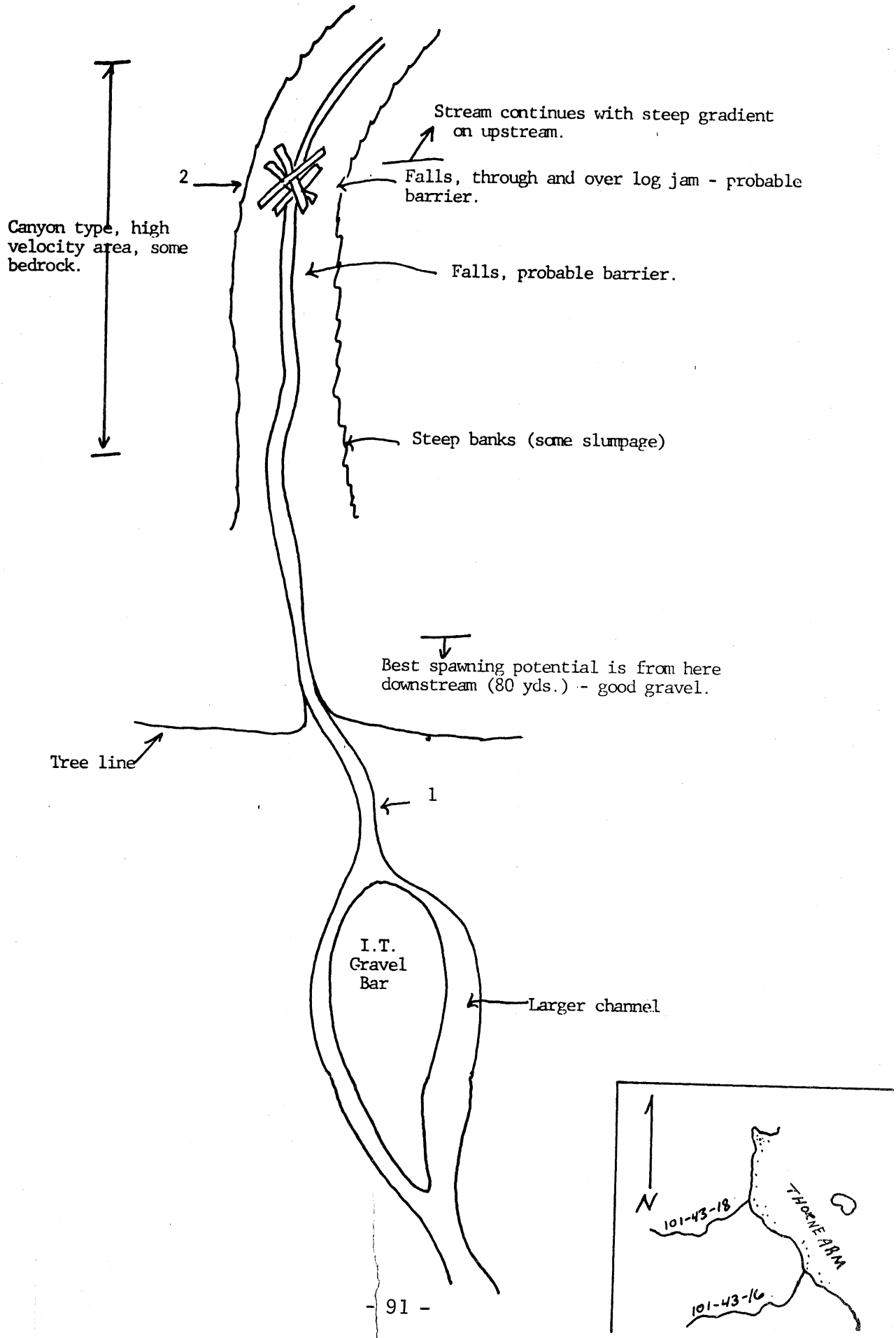
Number: 101-43-16

Observers: Downey, Dinneford
Date: 5-4-73
Temperature: 44
Weather: Cloudly, overcast

5 minute walking intervals.

Station No.	1	2														
Pool Size/Type	2	2														
Riffle Type Width-Depth	26.5'W 1.5'D	10.5'W 1.5'D														
Pool Riffle Frequency	3	3														
Bottom Type (Riffle)	5	6														
Color/Turbidity	1	1														
Velocity	2	3														
Flow (C.F.S.)	52.3															
Temp. (°F.)	41	41														
pH	6	6														
Fry Abundance																
Benthos Sample No.																
Higher Plant Class																
Aquatic Veg. Density	3	3														
Ident. (1) Mosses																
(2) Algae	2	2														

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


Stream continues with steep gradient on upstream.
2
Falls, through and over log jam - probable barrier.
Canyon type, high velocity area, some bedrock.
Falls, probable barrier.
Steep banks (some slumpage)
Best spawning potential is from here downstream (80 yds.) - good gravel.
Tree line
1
I.T. Gravel Bar
Larger channel
N
101-43-18
THORNE ARM
101-43-16

Name

Catalog No. 101-43-18

Latitude N 55° 21' 36"

WR No.

Longitude W 131° 17' 10"

K No.

Geodetic Map No. Ketchikan - B-4

Work Area Ketchikan

Location W. of Snipe Islands

Watershed Length 2 miles

Drainage Area of Watershed

Water Supply Type Runoff, springs

Trails & Survey Routes No existing trails, must walk in stream and along rocky banks. Barrier falls 300 yards upstream. Hard walking.

Aerial Survey Notes Steep banks. Barrier falls 300 yards upstream.

Anchorage Off mouth (rocky I.T.) - some protection from Snipe Islands.

Tide Stage When Surveyed 1st quarter of flood

FISHERY RESOURCES

Commercial Fisheries LOW - 200 pink salmon at most - no fry or carcasses observed.

Escapement None on record. 9-13-73; upstream 35 live, 25 dead pinks to bedrock cascade. Fish in better condition than previous 9 streams. Spawning area 220 m^2 (220'x18'x 60% ASA). 5 live pinks in pools above 1st cascade.

Species Composition: Unknown - no record, none observed.

Timing Unknown

Schooling areas None

Shellfish Potential None - I.T. rocky

Sport Fisheries None observed.

Land Use at Present None

History of Land Use None

Rehabilitation Potential No clearing required.

Soils Steep banks with some minor downslope movement.

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

STREAM INVENTORY FORM

Name: _____

Number: 101-43-18

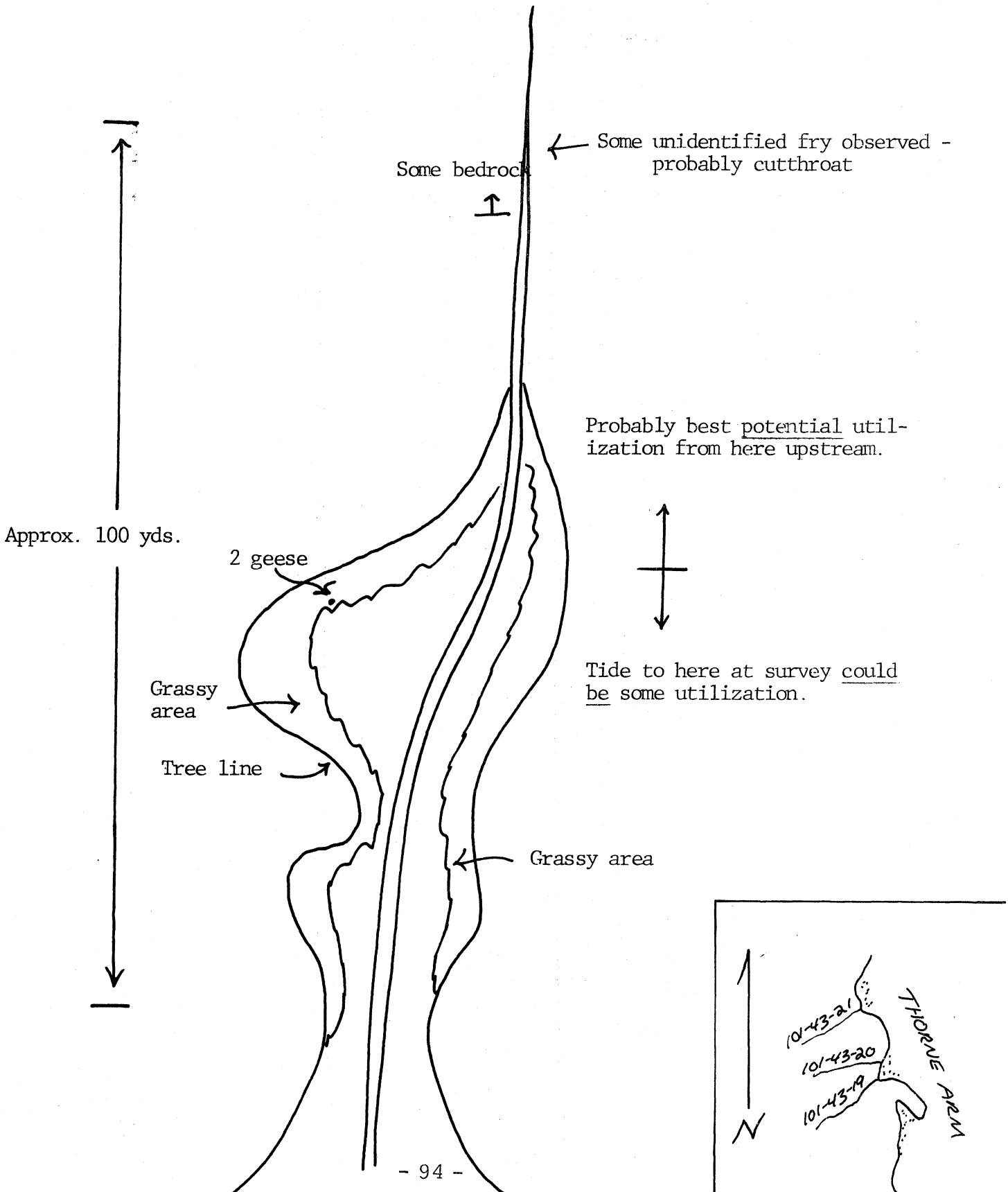
Observers: Dinneford, Downey
Date: 5-5-73
Temperature: 48°
Weather: Cloudy, rain

10 minute walking intervals

Station No.	1	2														
Pool Size/Type	0	1														
Riffle Type Width-Depth	22'W 1'D	14'W 1'D														
Pool Riffle Frequency	3	3														
Bottom Type (Riffle)	4	4/6														
Color/Turbidity	1	1														
Velocity	2	3														
Flow (C.F.S.)	28.5															
Temp. (°F.)	40°	40°														
pH	6	6														
Fry Abundance																
Benthos Sample No.	1	-														
Higher Plant Class	-	1														
Aquatic Veg. Density Ident. (1) Mosses	2	2														
(2) Algae	2	2														

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

101-43-19
5-4-73



Name _____ Catalog No. 101-43-19
Latitude N 55° 22' 15" WR No. _____
Longitude W 131° 17' 18" K No. _____
Geodetic Map No. Ketchikan - B-4 Work Area Ketchikan
Location N.W. of Snipe Is. 1 mile Watershed Length 2 miles
Drainage Area of Watershed _____
Water Supply Type Precipitation

Trails & Survey Routes Easy walking in stream.

Aerial Survey Notes Stream too small to be of much utilization.

Anchorage Between Minx Islands and mouth

Tide Stage When Surveyed 2nd half of flood

FISHERY RESOURCES

Commercial Fisheries Limited value: 50 yards spawning gravel.

Escapement None on record. 9-13-73; upstream 5 live pinks; 25 dead pinks up to 2' falls. Limited spawning/rearing potential.

Species Composition Unknown

Timing Unknown

Schooling areas None

Shellfish Potential None

Sport Fisheries Cutthroat

Land Use at Present None

History of Land Use None

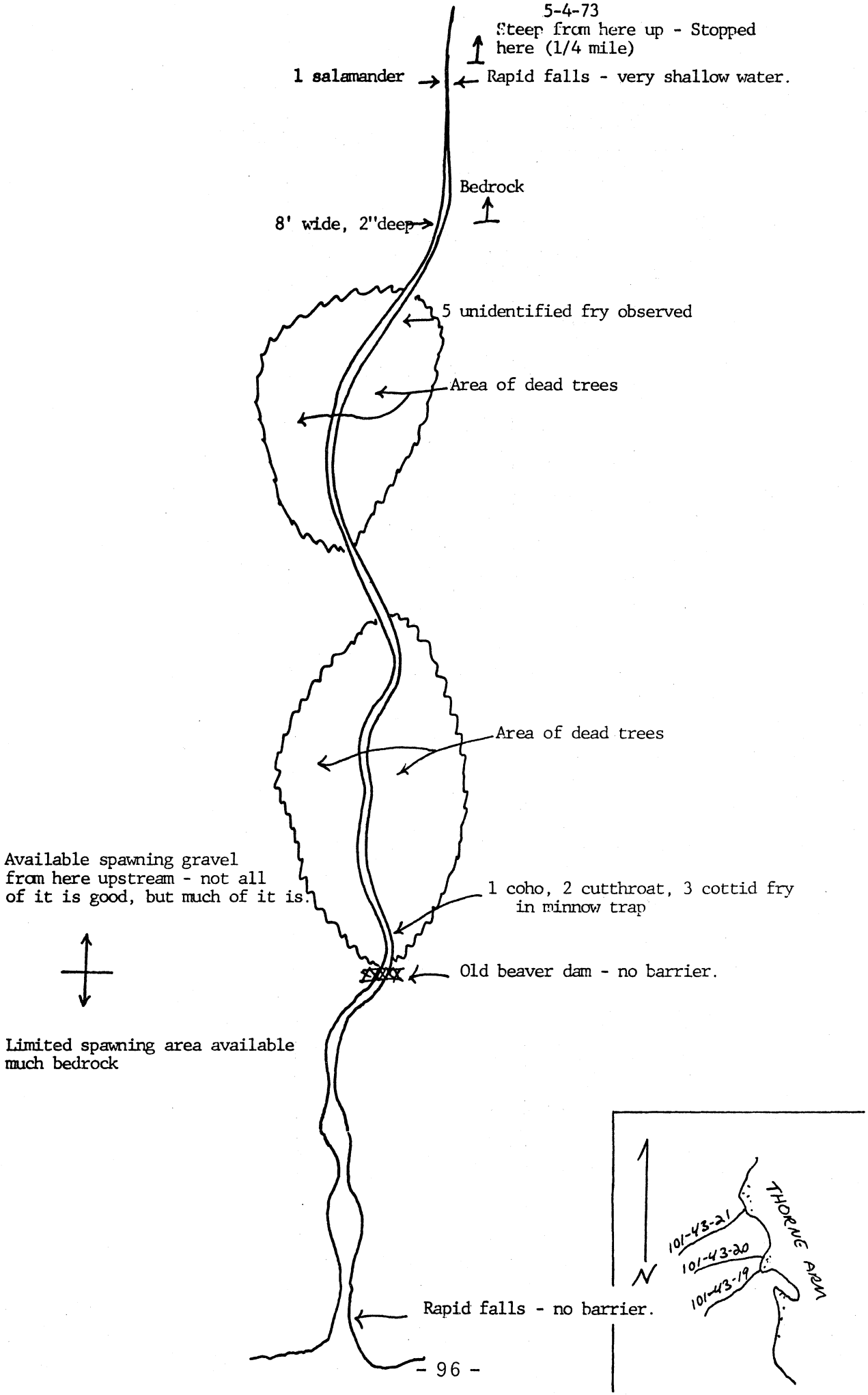
Rehabilitation Potential None required.

Soils Stable; bedrock at upper end of surveyed area.

GAME RESOURCES

Bear -------	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	0
Geese ------	Number seen on tide flats	2
	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	0
	Estimate depth out from beach	0
	Eel grass present on what percent of flats	0

101-43-20
5-4-73



Name _____ Catalog No. 101-43-20
Latitude N. 55° 22' 22" WR No. _____
Longitude W. 131° 17' 18" K No. _____
Geodetic Map No. Ketchikan B-4 Work Area Ketchikan
Location W. of Minx Is. 1 mile Watershed Length 1 mile
Drainage Area of Watershed _____
Water Supply Type Precipitation

Trails & Survey Routes Walked stream 1/4 mile, easy walking.

Aerial Survey Notes Short stream, low trees allow good visibility.

Anchorage Between Minx Islands and mouth.

Tide Stage When Surveyed 2nd hald of flood

FISHERY RESOURCES

Commercial Fisheries One coho fry in minnow trap 200 yards upstream.

Escapement No record. 9-13-73; upstream 95 live pinks to bedrock slide. (approx. 660'x9'x 40% ASA) Spawning area = 221 m^2.

Species Composition Coho

Timing No record

Schooling areas None

Shellfish Potential None

Sport Fisheries Cutthroat

Land Use at Present None

History of Land Use None

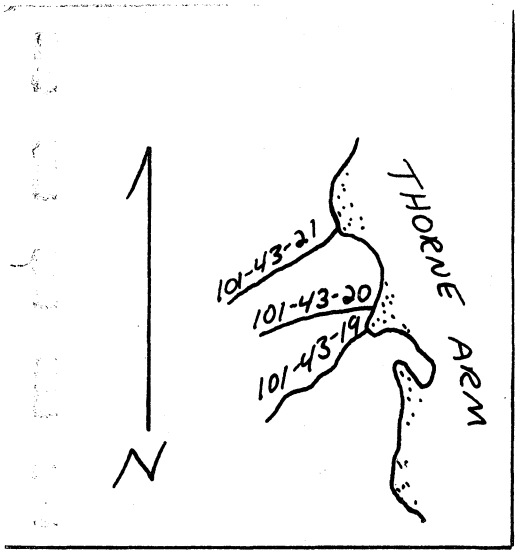
Rehabilitation Potential Stream small, no debris in 1/4 miles length of [illegible] reachable stream.

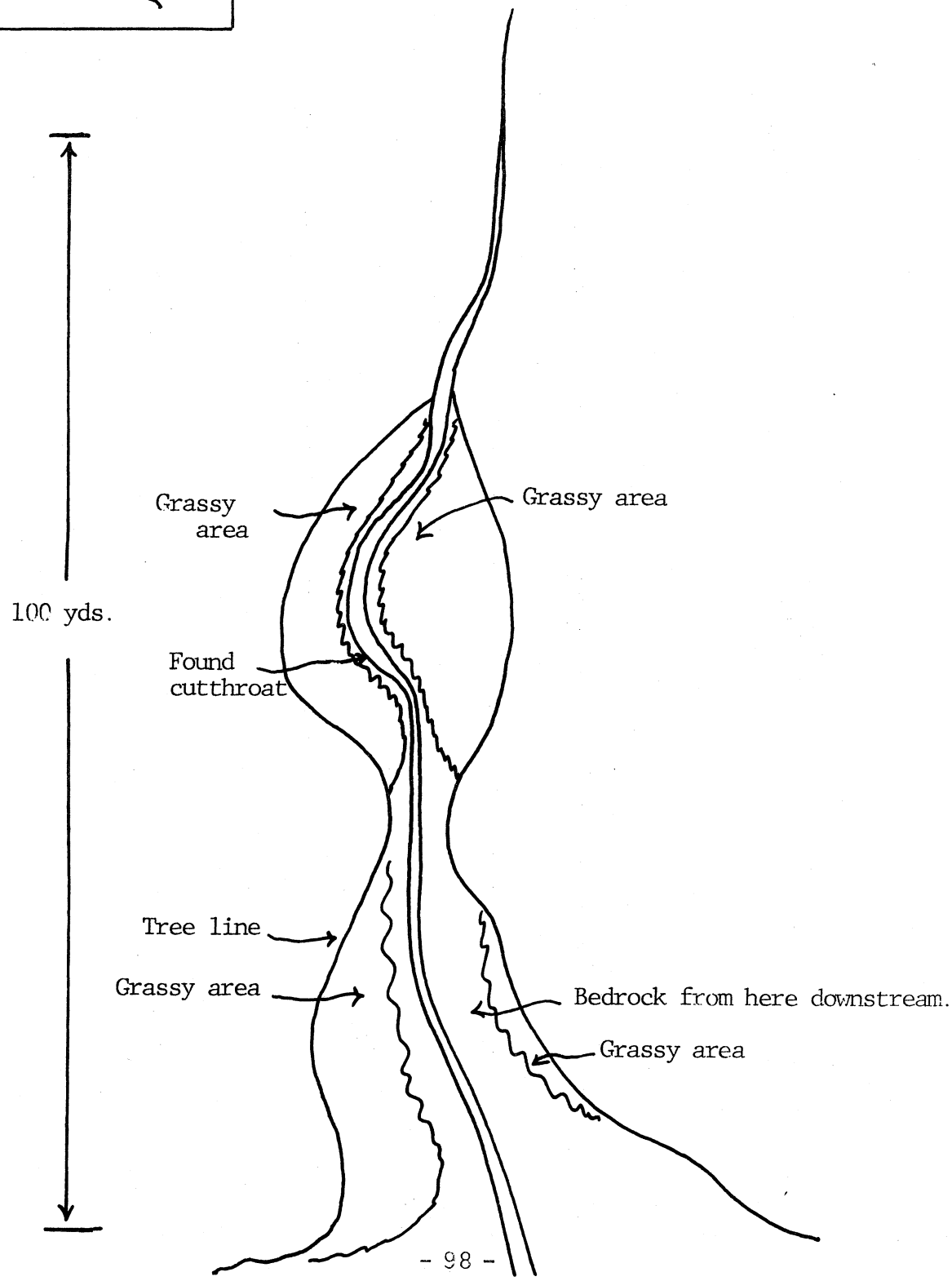
Soils Banks stable. Area of dead trees attributed to beaver flooding.

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

101-43-21
5-4-73





Name _____ Catalog No. _____
Latitude _____ WR No. _____
Longitude _____ K No. _____
Geodetic Map No. Ketchikan - B-4 Work Area Ketchikan
Location W. Head of Thorne Arm Watershed Length 1/2 mile
Drainage Area of Watershed _____
Water Supply Type Precipitation

Trails & Survey Routes Walking in stream not difficult

Aerial Survey Notes Poor timber allows fair visibility in lower stretch, very stream of minimal value.

Anchorage Off mouth west of Minx Islands

Tide Stage When Surveyed high tide

FISHERY RESOURCES

Commercial Fisheries Coho use minimal

Escapement None on record. 9-13-73; 9 carcasses on grass flats. (250'x8'x30% ASA) Spawning area 56 m^2.

Species Composition None observed

Timing No record

Schooling areas None

Shellfish Potential None, I.T. bedrock.

Sport Fisheries Cutthroat

Land Use at Present None

History of Land Use None

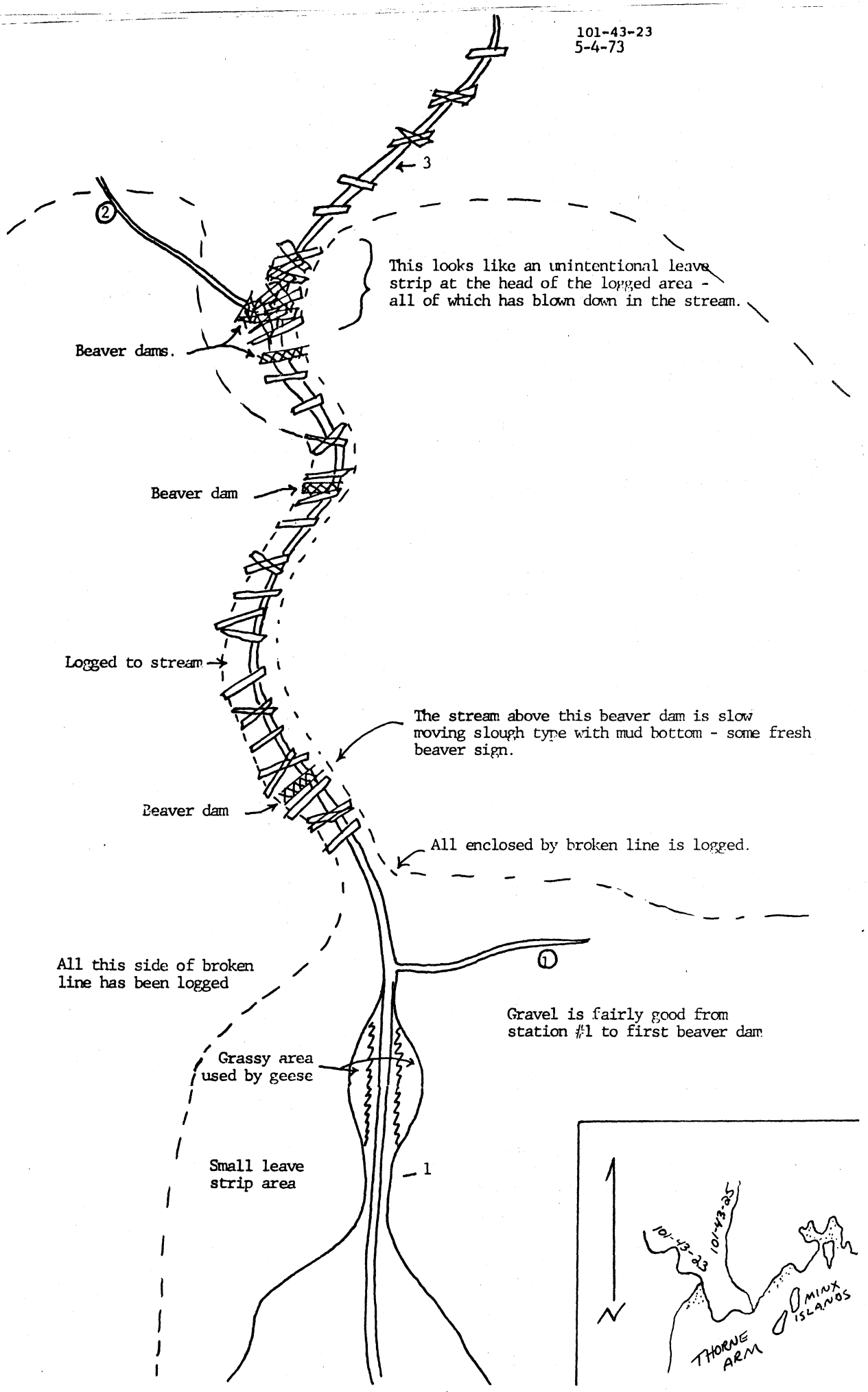
Rehabilitation Potential None required at present.

Soils Stable, producing scrubby timber in lower stretches.

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

101-43-23
5-4-73



Name

Catalog No. 101-43-23

Latitude N 55° 23' 26"

WR No.

Longitude W 131° 17' 3"

K No. --

Geodetic Map No. Ketchikan - B-4

Work Area Ketchikan

Location W. of Mink Islands

Watershed Length 1-1/4 miles

Drainage Area of Watershed

Water Supply Type Runoff

Trails & Survey Routes Walk in stream; difficult walking on account of the large number of logs, trees in stream.

Aerial Survey Notes

Anchorage Off mouth, west of Minx Islands.

Tide Stage When Surveyed 2nd half of flood

FISHERY RESOURCES

Commercial Fisheries None, apparently 100% unproductive

Escapement None on record 9-12-73: ITZ 25 live pinks, upstream 50 live pinks to beaver dam, no carcasses. Spawning area: 195 m^2 (200'x21'x50% ASA)

Species Composition No fry observed, no record

Timing N/A

Schooling areas None

Shellfish Potential None

Sport Fisheries None

Land Use at Present None

History of Land Use Logged along stream within last 5 to 10 years.

Rehabilitation Potential Many logs could be removed but with low velocity rehabilitation, it would take many years.

Soils Relatively low gradient; some downslope movement has occurred where, trees were cut at water 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	50'
	Estimate depth out from beach	25'
	Eel grass present on what percent of flats	0

STREAM INVENTORY FORM

Name: _____

Number: 101-43-23

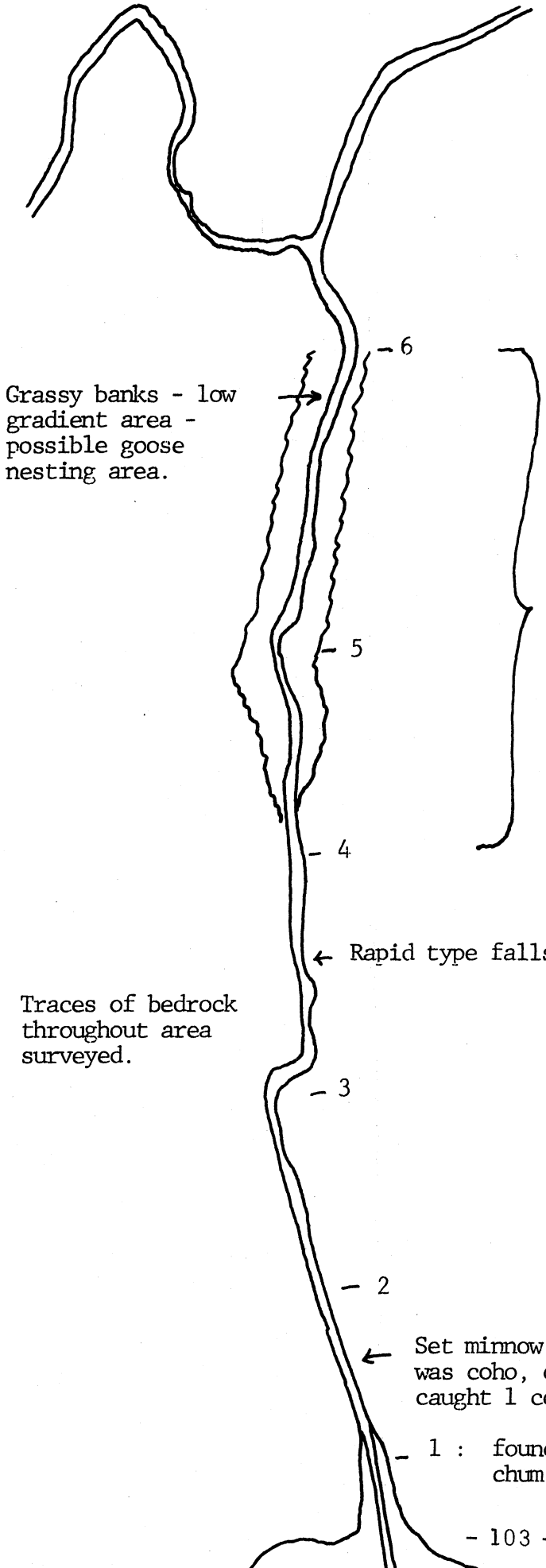
Observers: Downey, Dinneford
Date: 5-4-73
Temperature: 56
Weather: Cloudy - overcast

10 minute walking intervals

Station No.	1	2	3													
Pool Size/Type	0	1	1													
Riffle Type Width-Depth	20.5'W 4"D	31'W 4'D	25'W 3'D													
Pool Riffle Frequency	3	1	1													
Bottom Type (Riffle)	4	3/2/4	1/2													
Color/Turbidity	1	3	3													
Velocity	2	1	1													
Flow (C.F.S.)	4.8															
Temp. (°F.)	47	47	47													
pH	5	5	5													
Fry Abundance																
Benthos Sample No.	1															
Higher Plant Class	1/2	2	2													
Aquatic Veg. Density	2	2	2													
Ident. (1) Mosses (2) Algae	2	2	2													

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

101-43-25
5-3-73



Grassy banks - low gradient area - possible goose nesting area.

This portion of stream is slow moving slough type area - some limited beaver sign.

Area above station #6 should be looked at later with helicopter - we ran out of time.

Very poor timber in this area.

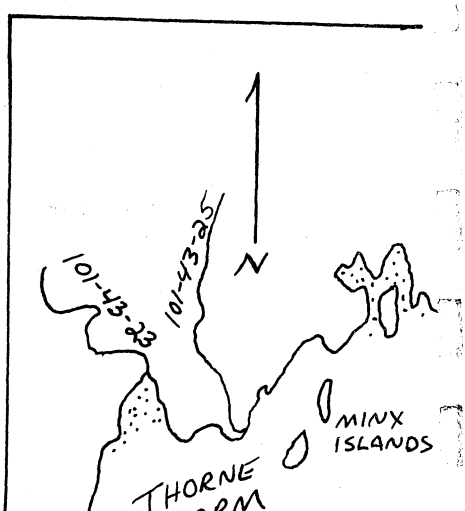
Poor spawning potential in this area.

Rapid type falls - no barrier.

Traces of bedrock throughout area surveyed.

Set minnow trap: bait was coho, clams, herring: caught 1 cottid.

1 : found stranded pink or chum fry here.



Name _____ Catalog No. 101-43-25
Latitude N 55° 23' 16" WR No. _____
Longitude W 131° 16' 13" K No. --
Geodetic Map No. Ketchikan - B-4 Work Area Ketchikan
Location N.W. of Mink Islands Watershed Length 2 miles
Drainage Area of Watershed _____
Water Supply Type Muskeg, ponds.

Trails & Survey Routes Easy stream to walk as grass lines most of the banks.

Aerial Survey Notes _____

Anchorage Between mouth and Mink Islands.

Tide Stage When Surveyed 2nd half of flood

FISHERY RESOURCES

Commercial Fisheries Possible limited pink, chum, or coho utilization.

Escapement None on record. Spawning area: very limited information available. 9-12-73; water very dark, ITZ - 5 live pinks, upstream 5 live p., w/in 100 yds of HTL.

Species Composition 1 pink fry at high IT., 2 coho fry in minnow trap at station #4.

Timing No record

Schooling areas None

Shellfish Potential None

Sport Fisheries Cutthroat

Land Use at Present NONE

History of Land Use None

Rehabilitation Potential None required.

Soils Very stable banks. Expect no problems at all.

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	1
	Number of nests seen and location	0
Seals ------	Number seen at mouth of stream	1
Tide flats -	Estimate length along beach	40'
	Estimate depth out from beach	10'
	Eel grass present on what percent of flats	< 5%

STREAM INVENTORY FORM

Name:

Number: 101-43-25

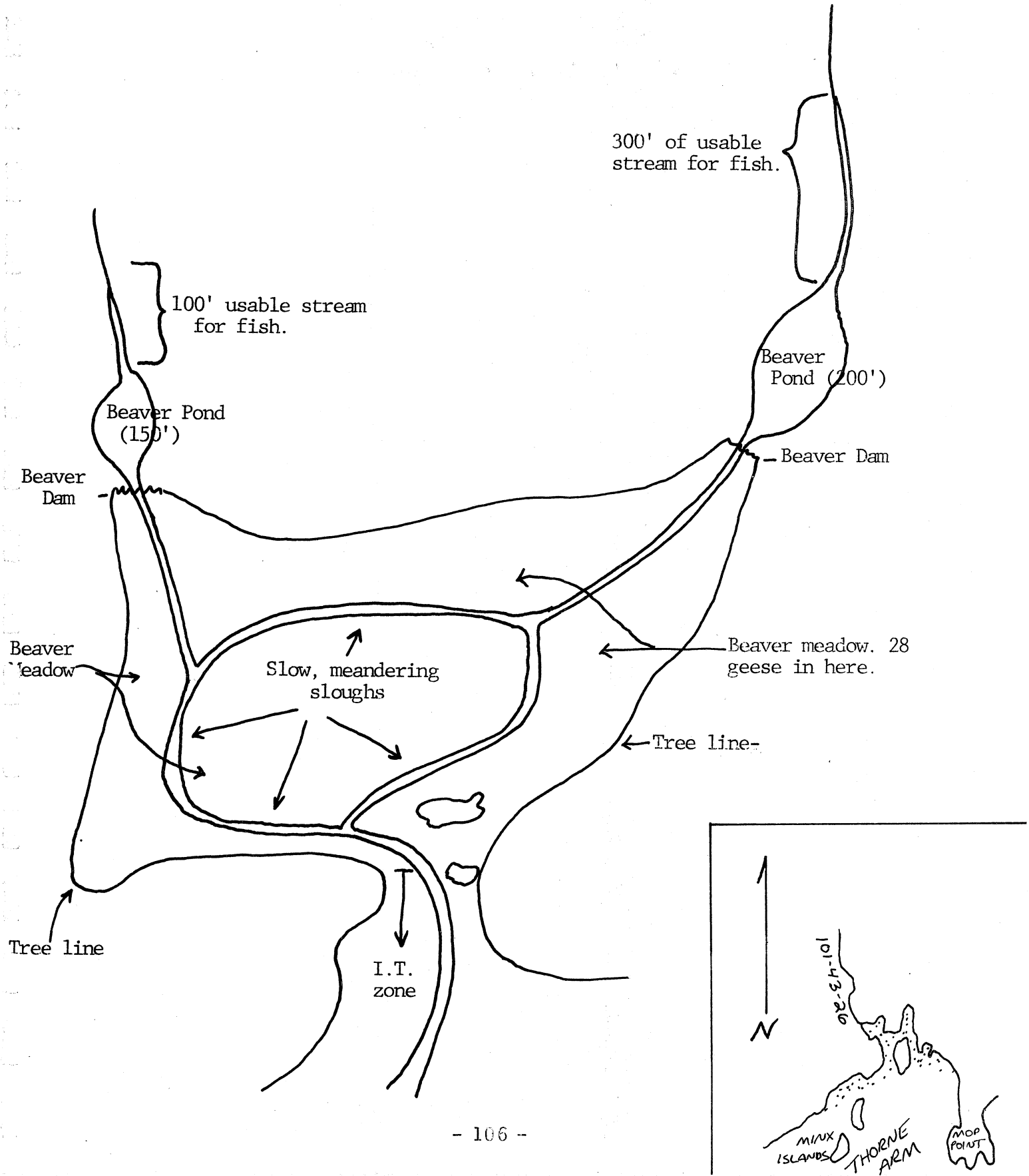
Observers: Downey, Dinneford
Date: 5-3-73
Temperature: 62
Weather: Sunny

10 min. walking intervals

Station No.	1	2	3	4	5	6										
Pool Size/Type	0	2	1	3	1	1										
Riffle Type Width-Depth	17.5'W 6"D	11.5'W 9"D	20'W 7"D	17'W 30"D	12'W 2'D	10'W 6"D										
Pool Riffle Frequency	3	3	3	2	1	1										
Bottom Type (Riffle)	4	4/6	4/6	4/6	4/1	4/1										
Color/Turbidity	2	2	2	3	3	3										
Velocity	2	2	2	2	1	1										
Flow (C.F.S.)	9															
Temp. (°F.)	45	45	45													
pH	6	6	6	6	6	6										
Fry Abundance	1dead pk IT		4 un-known	2 coho												
Benthos Sample No.	1															
Higher Plant Class	2	2	2	2/3	2/3	2/3										
Aquatic Veg. Density	3	2	2	1	2	2										
Ident. (1) Mosses (2) Algae	1	1	1	1	1	1										

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

101-43-26
5-2-73



Name _____ Catalog No. 101-43-26
Latitude N 55° 23' 58" WR No. _____
Longitude W 131° 15' 27" K No. _____
Geodetic Map No. Ketchikan - B-4 Work Area Ketchikan
Location North of Mink Is. & Mop Pt. Watershed Length 1 mile
Drainage Area of Watershed _____
Water Supply Type Muskeg, runoff.

Trails & Survey Routes Lower area I.T. meadow, easily walked. Short walk to end of usuable stream.
Aerial Survey Notes 300 feet of usable stream in #3, 100 feet in #4, open meadow easily visible from air.
Anchorage Off rocks beyond intertidal.

Tide Stage When Surveyed One hour before high.

FISHERY RESOURCES

Commercial Fisheries None on record, no commercial specier observed.

Escapement None on record. 9-12-73; 50 live pinks below beaver dams. Limited spawning and rearing area at this time due to beaver dams.
Species Composition 12 hour minnow trap sets caught 0 in #3, stickleback and cottids in #4.
Timing N/A
Schooling areas Potential schooling in beaver ponds if upper stretch of stream utilized.
Shellfish Potential Rocky flats below meadow, low clam producing area.

Sport Fisheries None, water sluggish.

Land Use at Present None

History of Land Use None

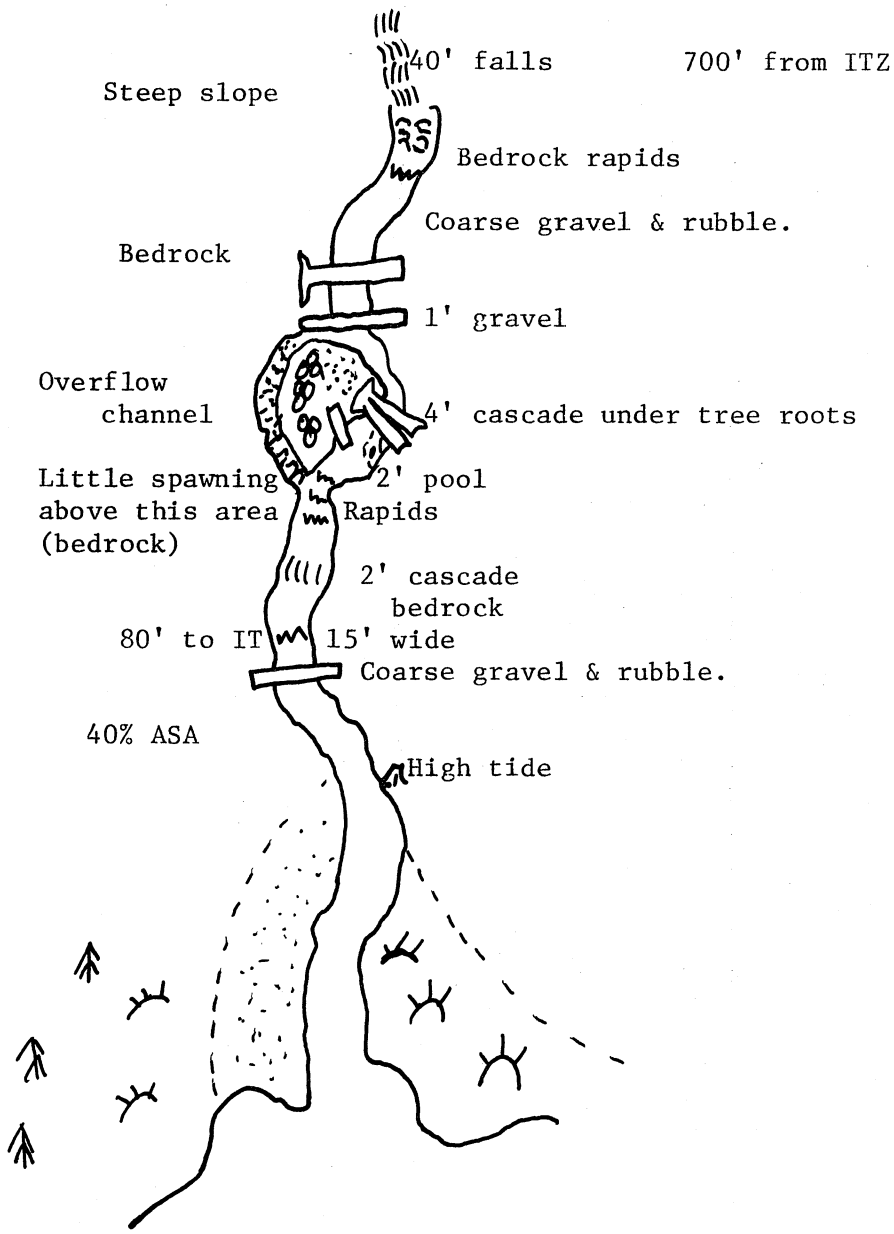
Rehabilitation Potential Short length of stream would not qualify .

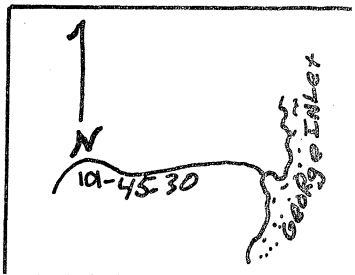
Soils Low gradient, very stable. Large meadow productive for waterfowl.

GAME RESOURCES

Bear --------	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	0
Geese -------	Number seen on tide flats	28
	Number seen up creek	0
	Number of broods seen	0
Mallards ---	Number seen on tide flats	7
	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	1/8 mi.
	Estimate depth out from beach	1/4 mi
	Eel grass present on what percent of flats	0
	Grasses and sedges predominate	90%

LOCATION:	W. George In., .7 miles south of head of Leask Cove	101-45-30 R.Larson
WATERSHED:	length 1-1/2 miles, area 2-1/2 miles source - runoff. Air temp. 57°F.	
STREAM DATA:	pH 7.75, 50°F, 17' width, clear,	
SPAWNING:	60 m^2 (100'x15'x40% ASA)	
REARING:	Poor rearing area.	
SLOPE:	Gentle on north side, steep on south.	





Name Leask Creek
Catalog No. 101-45-32
Latitude N 55° 30' 35"
WR No. 89
Longitude W 131° 30' 54"
K No. 95
Geodetic Map No. Ketchikan C-5
Work Area Ketchikan
Location NW head of George Inlet
Watershed Length 3.5 miles
Drainage Area of Watershed
Water Supply Type Lakes located 2.3 miles upstream.

Trails & Survey Routes Easy walking - game trail intermittent, walking okay along streambed.
Aerial Survey Notes Good aerial visibility chances along upper length surveyed.

Anchorage North shore of cove offers fair anchorage; 10-15 fathoms; sand and gravel bottom.
Tide Stage When Surveyed 1st half of flood.

FISHERY RESOURCES

Commercial Fisheries Pink, sockeye

Escapement 1940 - 2000 pink; '41 - 5000 pink; '47 - 375 pink, 8 chum; '49 - 420 pink, 7 chum, '55 - 1000 red; '56 1500 pink, 1500 chum; '57 - 400 sockeye.
Spawning area: 9197 m^2 (5000'x30'x66% ASA)
Species Composition: 90% pink, 5% chum, 5% red
Timing ~~Late - September, October.~~
Schooling areas Schooling in windfall pools only; especially just above Station #3.
Shellfish Potential None - intertidal rocky.

Sport Fisheries Good steelhead/rainbow; cutthroat.

Land Use at Present None

History of Land Use None. Cabin located on north shore of cove.

Rehabilitation Potential No rehab. work required. Access for coho and sockeye only above Station #3.
Soils Generally very level and stable. Small amount of downslope movement at Station #3.

GAME RESOURCES

Bear -------	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	40
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	15
	Number of nests seen and location	0
Seals -------	Number seen at mouth of stream	0
Tide flats -	Estimate length along beach	0
	Estimate depth out from beach	0
	Eel grass present on what percent of flats	0

PEAK ESCAPEMENT RECORD

Leask Creek
101-45-32

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
9-10-40	2,000			1000 fish off mouth.
9-28-41	15,000			
10-5-47	375	8		
9-16-49	417	6		
9-6-53			coho, red present.	Few fish in stream.
7-28-55			1000 red	
Season '56	1,500	1,500		Season, by stream guard.
7-5-57			400 reds.	
6-21-61				None observed.
8-26-62				30 @ mouth, 400 in bay.
8-8-63				200 @ mouth. Poor vis - good showing off mouth. N.O. I.T.
7-20-64				I.T. survey only. Vis. poor.
7-27-65				Jumps at mouth. Vis. fair.
8-10-66				500 @ mouth. Poor vis.
8-19-68				2000 @ mouth, vis good @ mouth.
8-4-69				N.O.
8-25-70				5000 @ mouth. Vis. excellent.
7-10-74				2 @ mouth. Visibility good.

SALT CREEK, ITZ.

Name: Salt Creek
Latitude: 55 32 20
Longitude: 133 27 10
Geodetic Map No: Ketchikan C-5
Location: Head of Salt Lagoon includes all tributaries and lake system.

Catalog No: 101-45-38
Former Stream No: K96, Previous No. 90

Work Area: Ketchikan
Watershed Length: 7 miles
Drainage Area: 15 sq. miles
Water Supply Type: 2 lakes, small ponds, muskeg, runoff

Trails & Survey Routes: Intertidal portion easily surveyed by skiff. Falls .2 miles above top of intertidal area. Virtually all spawning intertidal for pinks.

Aerial Survey Notes: Visibility in intertidal portion good.

Anchorage: Bat Cove George Inlet, run with skiff through rapids to salt lagoon.

Tide Stage when Surveyed: 1/2 flood

RESOURCES

COMMERCIAL FISHERIES (species, escapement, timing, spawning area): Pink, chum, coho. Timing - Late (Sept.-Oct.)
Spawning area 4682 m^2 (800'x90'x70% ASA). Spawning limited to intertidal portion. Limited rearing available

Schooling Areas: In salt lagoon off mouth.

Spawning Areas: Clean gravel riffles in mid and upper portions of intertidal portion.

SHELLFISH POTENTIAL: Dungeness crabs off mouth.

SPORT FISHERIES: Cutthroat trout in lake, good coho at mouth and in lake at times.

LAND USE (history, present, proposed): Areas of hillside adjacent to salt check clear cut.

REHABILITATION POTENTIAL: None

SOILS: Appeared stable

GAME RESOURCES (species, use, habitat): Bear tracks and scats noted. Waterfowl nesting area.

PEAK ESCAPEMENT RECORD

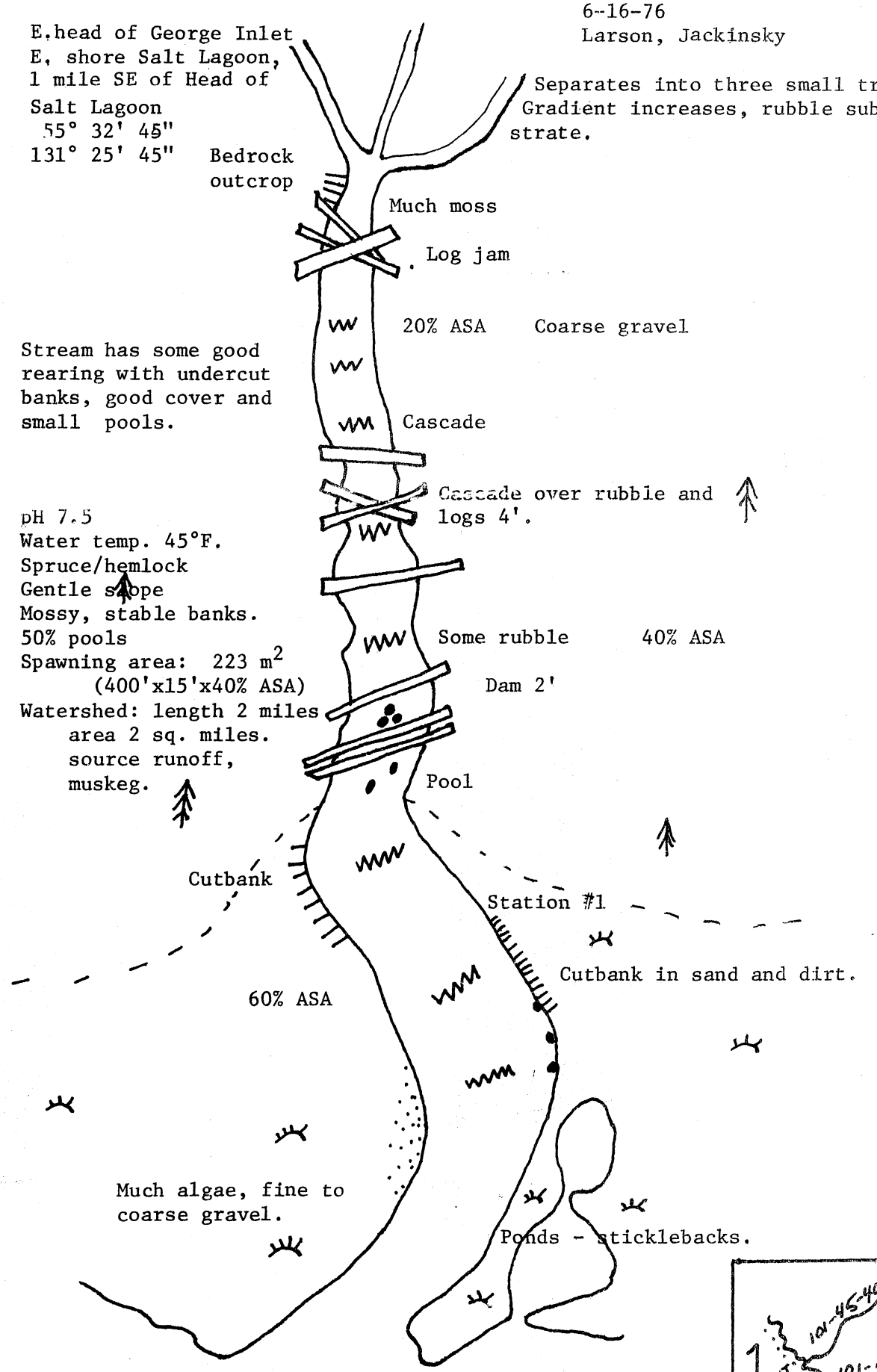
Salt Chuck Creek
101-45-38

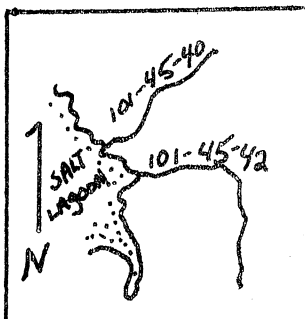
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
7-7-48	75			
8-30-49				None observed.
7-24-55	400		100 coho	
8-26-62	3,000			300 @ mouth. Good visibility.
8-13-63	6,500			Vis. fair to poor. 2-3000 at mouth, present I.T.
8-30-64	4,000			
7-27-65			100 coho	Visibility good.
8-5-66				1300 - 5 balls at mouth. 100 @ I.T. Visiblity good.
8-14-67				Good visibility.
8-19-68	present			1000 I.T. Poor vis. in stream, due to shade.
8-4-69				3 schools (250) at mouth.
8-25-70	600			Visibility good.
8-4-71				None observed. Vis. poor. Many jumps at mouth.
8-16-72	1,500			Many dead.
8-17-73	7,900			Visibility fair.
8-28-74	2,900			100 @ mouth.
8-2-75	few 100			Visibility poor.

101-45-40
6-16-76
Larson, Jackinsky

LOCATION: E.head of George Inlet
E. shore Salt Lagoon,
1 mile SE of Head of
Salt Lagoon

LATITUDE: 55° 32' 45"
LONGITUDE: 131° 25' 45"





101-45-42

101-43-29
5-2-73

Looked to be rapids and steep gradient area.

Small falls (3') stopped here.

6-7' falls barrier or major deterrent to all species (canyon area)

2

Very steep gradient area between stations 1 and 2. Some slumping has occurred - some logs in the stream, no blocks.

No logging should be allowed at least in the lower portion of this system or major slumpage will occur.

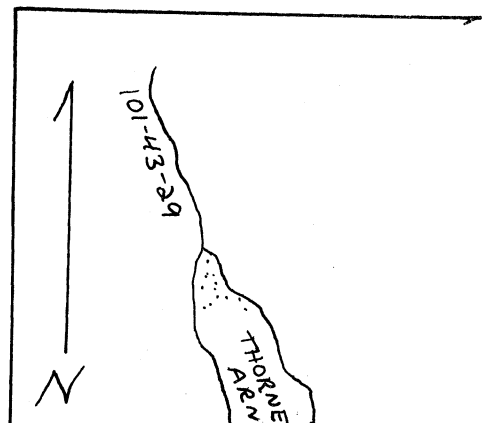
Large log jam. 75 yds. above I.T.

Set minnow trap: bait mussels : caught 0

Grassy area much goose sign.

1 : Found 2 live pink fry (99% absorbed) in benthos sample here.

Tree line



Name _____ Catalog No. 101-43-29
Latitude N 55° 24' 43" WR No. _____
Longitude W 131° 14' 7" K No. 102
Geodetic Map No. Ketchikan - B-4 Work Area Ketchikan
Location Head of Thorne Arm (Mop Pt.) Watershed Length 1-1/2 miles
Drainage Area of Watershed _____
Water Supply Type Runoff, small ponds and muskeg.

Trails & Survey Routes Walk up stream - no trails.

Aerial Survey Notes Water slightly turbid.

Anchorage Off intertidal flats at mouth in 18 to 20 fathoms, hard bottom (from U.S. Coast Pilot).
Tide Stage When Surveyed 2nd hald of flood

FISHERY RESOURCES

Commercial Fisheries Pink and chum salmon

Escapement 1953-3 pink, 28 chum; 1949 - 200 pink; 1947 - 200 pink, 10 chum; 1943 - 10,000 pink (FWS figures). Spawning area; 350 m^2 (est.)
9-12-73; 200 carcasses in cove. IT: 900 live pinks, mostly sorebacks, 50 dead pinks.
Species Composition: 95% pink, 5% chum.
Timing Late. September through October
Schooling areas None present

Shellfish Potential None

Sport Fisheries No fry observed (1/2 hour minnow trap set was made below barrier) but low utilization by rainbow is likely.
Land Use at Present None

History of Land Use None

Rehabilitation Potential Very steep gradient from 75 yards above I.T. on upstream; only gravel of note is found in upper I.T.
Soils Downslope movement in area of steep banks between stations 1 and 2. Unstable conditions along survey route.

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	5
	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	25'
	Estimate depth out from beach	50'
	Eel grass present on what percent of flats	0

STREAM INVENTORY FORM

Name: _____

Number: 101-43-29

Observers: Downey, Dinneford
Date: 5-2-73
Temperature: 40
Weather: Cloudy, showers

10 min. walking intervals.

Station No.	1	2														
Pool Size/Type		1														
Riffle Type Width-Depth	36'W 1'D	18'W 1'D														
Pool Riffle Frequency	3	3														
Bottom Type (Riffle)	4	4/6														
Color/Turbidity	2	2														
Velocity	2	2														
Flow (C.F.S.)	41.7															
Temp. (°F.)	41	41														
pH	5	5														
Fry Abundance																
Benthos Sample No.	#1															
Higher Plant Class	1	2														
Aquatic Veg. Density	2	2														
Ident. (1) Mosses (2) Algae	2	1														

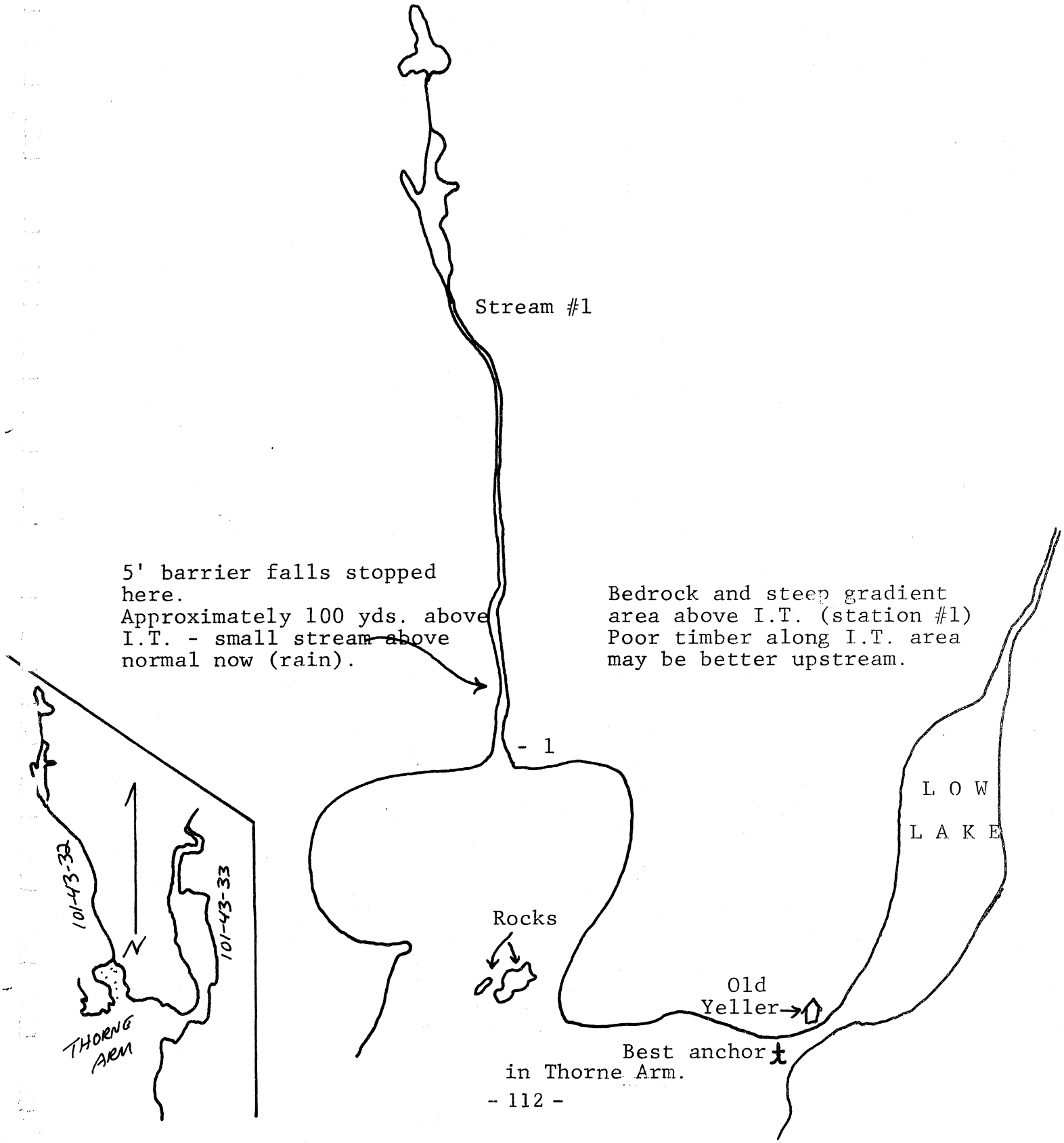
General Remarks (rehab., land use, barriers, log jams, etc.):

PEAK ESCAPEMENT RECORD

Pop Creek
101-43-29

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
8-21-73				2500 @ mouth & I.T. Vis. fair.
8-28-74				300 @ mouth. Visibility excellent.
8-12-75				5500 @ mouth.

101-43-32
5-2-73



Name _____ Catalog No. 101-43-32
Latitude N 55° 23' 46" WR No. _____
Longitude W131° 12' 16" K No. _____
Geodetic Map No. Ketchikan - B-4 Work Area Ketchikan
Location Head of Thorne Arm Watershed Length 2-1/4 miles
Drainage Area of Watershed _____
Water Supply Type Lake runoff

Trails & Survey Routes Walk in stream 100 yards above intertidal to barrier falls.

Aerial Survey Notes Small stream, steep gradient above I.T. Timber is spindly.

Anchorage Outside small cove off mouth of stream (2 fathoms), fair anchorage for larger vessels off Low Lake outlet.

Tide Stage When Surveyed 1st half of flood

FISHERY RESOURCES

Commercial Fisheries Possible limited coho, chum.

Escapement none on record. Spawning area: 109 m2 (300'x13'x30% ASA) 9-12-73; I.T. 200 live pink (mostly sorebacks), 30 dead pinks, 1 chum.

Species Composition none on record, no fry observed.

Timing N/A

Schooling areas none observed.

Shellfish Potential Fair clam area in bay; sparce amount of eelgrass appears on extreme low tides.

Sport Fisheries Possible rainbow utilization in this stream.

Land Use at Present None

History of Land Use None

Rehabilitation Potential Poor potential due to bedrock streambed above I.T. and steep gradient.

Soils Stable. Banks steep above intertidal zone. Timber quality poor along portion of stream surveyed.

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	6
	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	35'
	Estimate depth out from beach	150'
	Eel grass present on what percent of flats	15%

STREAM INVENTORY FORM

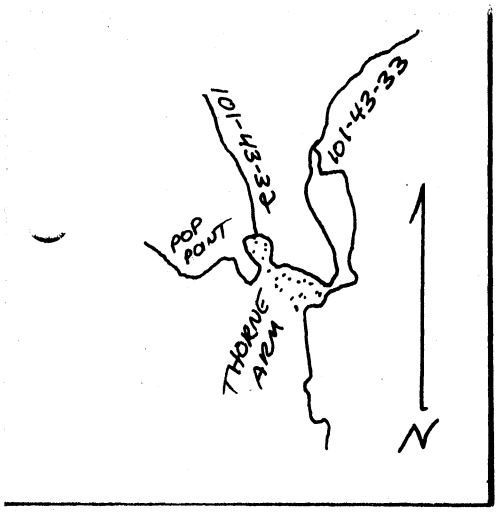
Name: _____

Number: 101-43-32

Observers: Downey, Dinneford
Date: 5-2-73
Temperature: 39
Weather: Cloudy, showers

Station No.	1															
Pool Size/Type	2															
Riffle Type Width-Depth	13'W 1'D															
Pool Riffle Frequency	3															
Bottom Type (Riffle)	5															
Color/Turbidity	1															
Velocity	2															
Flow (C.F.S.)	11.1															
Temp. (°F.)	42															
pH	6															
Fry Abundance																
Benthos Sample No.																
Higher Plant Class	2															
Aquatic Veg. Density Ident. (1) Mosses (2) Algae	3 / 1															

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



101-43-33

BIG LAKE

Silver Creek (falls off mountain)

50' barrier falls.

100' barrier falls.

1.6 miles from F.S. Cabin to Big Lake.

Steeper gradient - water swifter and deeper. Spawning here limited to stream edges.

Stream splits around small islands. Some nice pools and rearing area.

Excellent spawning area. Some sand mixed with the gravel but very clean looking. Observed 14 steelhead.

Good trail

Forest Service cabin

Width at inlet is approx. 150 feet.

.6 mile

LOW LAKE

Stream #1

Small island

Rapids, cascade area - no barrier.

No spawning in the I.T. area. Too swift with large boulders covered with barnacles and muscles.

115

101-43-33, Fish Creek upper lake inlet, 6-5-76.

Name Fish Creek
Catalog No. 101-43-33
Latitude N 55° 23' 9"
WR No.
Longitude W 131° 12' 4"
K No. 103
Geodetic Map No. Ketchikan - B-4
Work Area Ketchikan
Location Inlet to Low Lake
Watershed Length 13 miles
Drainage Area of Watershed
Water Supply Type Minor and Big Lakes empty into Fish Creek. Low Lake runs from Fish Creek to saltwater.
Trails & Survey Routes Forest Service trail good but leaves streamside 1/4 mile from Low Lake.
Aerial Survey Notes

Anchorage Off beach west of Low Lake outlet.

Tide Stage When Surveyed No tidal influence.

FISHERY RESOURCES

Commercial Fisheries F.W.S. and F.R.I. records show excellent number of pink salmon, chum, a~few sockeye and coho.

Escapement 1957 to 1948 average 8378 pink, 5128 chum; 1949, 400 sockeye, 1950, 70 sockeye, 1954, 50 sockeye; 1953, 30 coho. Spawning area: estimated 6000 m^2

Species Composition 60% pink, 35% chum, < 5% sockeye, <1% coho.

Timing Late. September to October

Schooling areas Off mouth of Fish creek in Low Lake

Shellfish Potential Freshwater mussels at outlet of Fish Creek.

Sport Fisheries Excellent steelhead producer - would expect rainbow above falls.

Land Use at Present Recreation - 11 fishermen here on weekend of May 12 and 13 Cabin located at Low Lake.

History of Land Use Popular as a steelhead stream for many years.

Rehabilitation Potential None required.

Soils Escellent conditions up to the falls where steep canyon walls have slumped in some areas.

GAME RESOURCES

Bear -------	Fish carcasses or bones (old or fresh) on banks, estimate	30
	Number of droppings	4
Geese ------	Number seen on tide flats	0
	Number seen up creek	2
	Number of broods seen	0
Mallards ---	Number seen on tide flats	0
	Number seen up creek	2
	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	150 yds.
	Estimate depth out from beach	25 yd
	Eel grass present on what percent of flats	10%

STREAM INVENTORY FORM

Name: Fish Creek

Number: 101-43-33

Observers: Downey, Dinneford
Date: 5-13-73
Temperature: 51 10:00 am
Weather: Cloudy - overcast

10 minute walking intervals.

Station No.	1	2	3													
Pool Size/Type	2/1	2/1	1/1													
Riffle Type Width-Depth	150'W 3'D	60'W 4'D	70'W 5'D													
Pool Riffle Frequency	3	3	3													
Bottom Type (Riffle)	4	4	4/6													
Color/Turbidity	1	1	1													
Velocity	2	2	3													
Flow (C.F.S.)																
Temp. (°F.)	42	42	42													
pH	5	5	5													
Fry Abundance	1-2 2-2	1-15 8-5	0													
Benthos Sample No.																
Higher Plant Class	1	1	1/3													
Aquatic Veg. Density Ident. (1) Mosses (2) Algae	3 2	3 2	3 2													

8-2

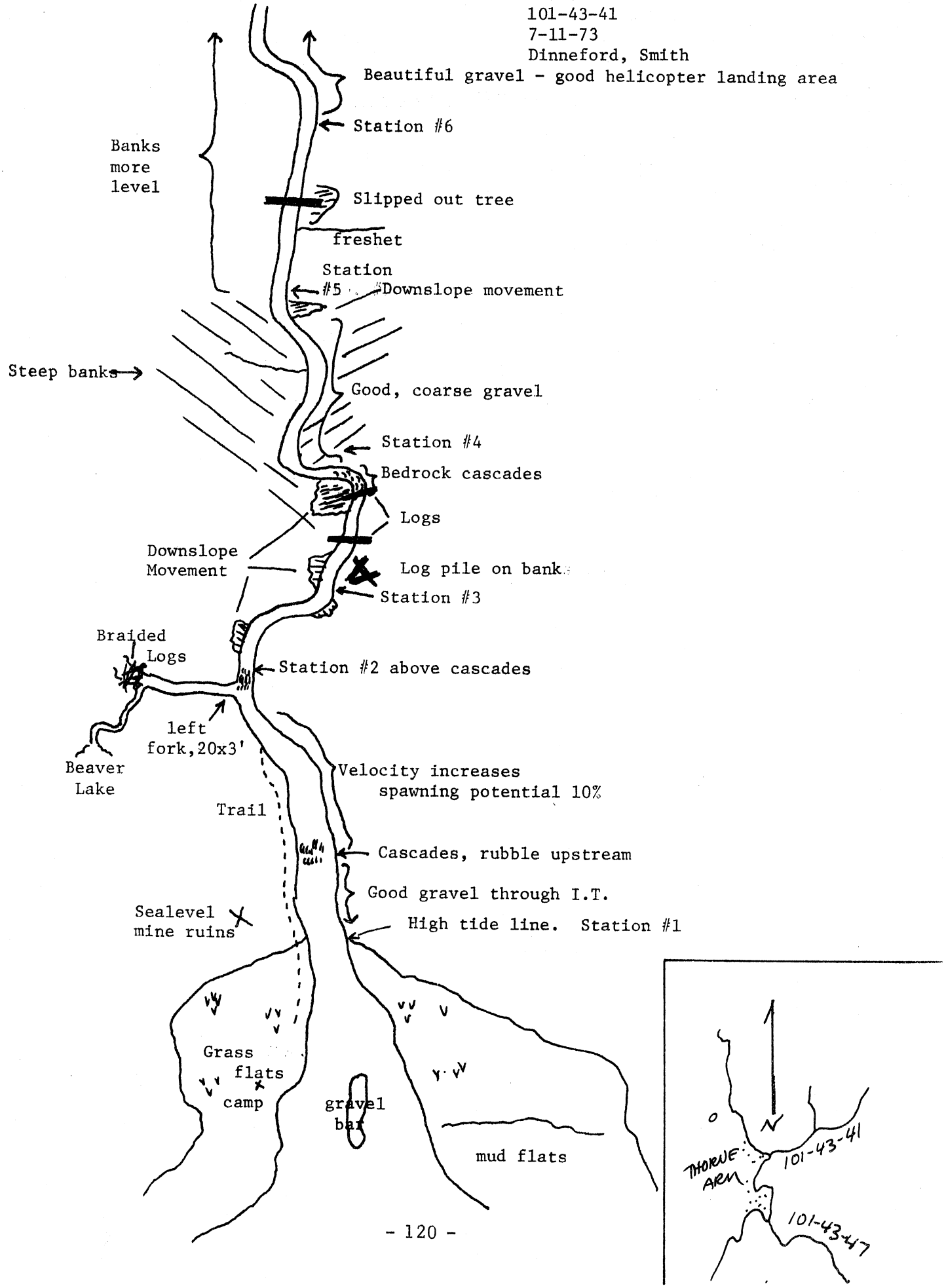
General Remarks (rehab., land use, barriers, log jams, etc.):

PEAK ESCAPEMENT RECORD

Fish Creek
101-43-33

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
10-13-43				Poor. None observed.
9-27-47				Chum, coho and pink in stream and lake.
8-7-48	75	13		Visibility poor.
9-19-49	4,000	750	400 red	Some dead.
10-2-50	3,400	650	70 red	250 dead pink, 1200 dead chum.
10-9-53	150	275	30 coho	Several thousand dead in stream and lake.
9-19-54	200	2,500	50 red	2000 dead chum.
9-25-55	10,000	15,000		
9-30-56	>30,000			Chum present.
9-16-57	2,000	8,000		
9-5-60		5		Many jumps
8-22-61		1,500		
8-10-62	200			
8-8-63				None observed I.T.
8-23-65				
8-14-67				250 @ mouth. Good visibility.
8-27-68				200 @ mouth. Mixed fish on lake bars.
8-28-74	300			6000 @ mouth & I.T.
8-22-75				5000 @ mouth & I.T.

Gokachin Creek
101-43-41
7-11-73
Dinneford, Smith



Name Gokachin Creek
Catalog No. 101-43-41
Latitude N 55 22' 03"
WR No. 104
Longitude W 131 11' 17"
K No. 104
Geodetic Map No. Ketchikan B-4
Work Area Ketchikan
Location S. Thorne Arm 1.5 mi. SE Pop Pt.
Watershed Length 5 miles
Drainage Area of Watershed 22 square miles
Water Supply Type Lake

Trails & Survey Routes Poor trail along north bank for 1st 1/4 mile. Walking fairly easy in stream above trail.
Aerial Survey Notes Good visibility along length.

Anchorage Good anchorage in cove 1/4 mile south. Extensive tide flats off mouth.

Tide Stage When Surveyed 2nd half of flood.

FISHERY RESOURCES
Commercial Fisheries Pink, chum, coho

Escapement 1940 to 1957 average 15,026 pink, 1519 chum; (7920'x37'x60% ASA)
Spawning area: 16,334 m^2.
Species Composition Pink 90%, chum 10%

Timing Late - Sept. October.
Schooling areas A few pools in main stream, none at mouth

Shellfish Potential Good - clams and crabs available on tide flats.

Sport Fisheries Cutthroat, Steelhead/rainbow.

Land Use at Present None

History of Land Use Sealevel Mine (1930's) was located near mouth on the north shore.
Rehabilitation Potential No rehab. work required.

Soils Mostly stable. Some downslope movement seen in areas of steeper gradient.

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	1
Bald Eagles-	Number seen along creek	1
	Number of nests seen and location	0
Seals ------	Number seen at mouth of stream	1
Tide flats -	Estimate length along beach	1300 feet
	Estimate depth out from beach	300 feet
	Eel grass present on what percent of flats	50%

STREAM INVENTORY FORM

Name: Gokachin Creek

Number: 101-43-41

Observers: Dinneford, Smith

Date: 7-11-73

Temperature:

Weather: High overcast

10 minute intervals.

Station No.	1	2	3	4	5	6										
Pool Size/Type	0	3/1	3/1	3/1	2/1	2/1										
Riffle Type Width-Depth	50'W 18"D	42'W 16"D	30'W 24"D	31'W 15"D	46'W 12"D	21'W 20"D										
Pool Riffle Frequency	3	3	3	3	3	3										
Bottom Type (Riffle)	4	5	4/5	4/5	4	4/5										
Color/Turbidity	1/2	1	1	1	1	1										
Velocity	2	2	2	2	2	2										
Flow (C.F.S.)	110.6															
Temp. (°F.)																
pH	5	5	5	5	5	5										
Fry Abundance	3-10 4-2	3-1	0													
Benthos Sample No.	1		2													
Higher Plant Class	2	2	1/2	2	2/1	2/1										
Aquatic Veg. Density	2	2	3	3	3	2										
Ident. (1) Mosses (2) Algae	2	2	1	1	1	1										

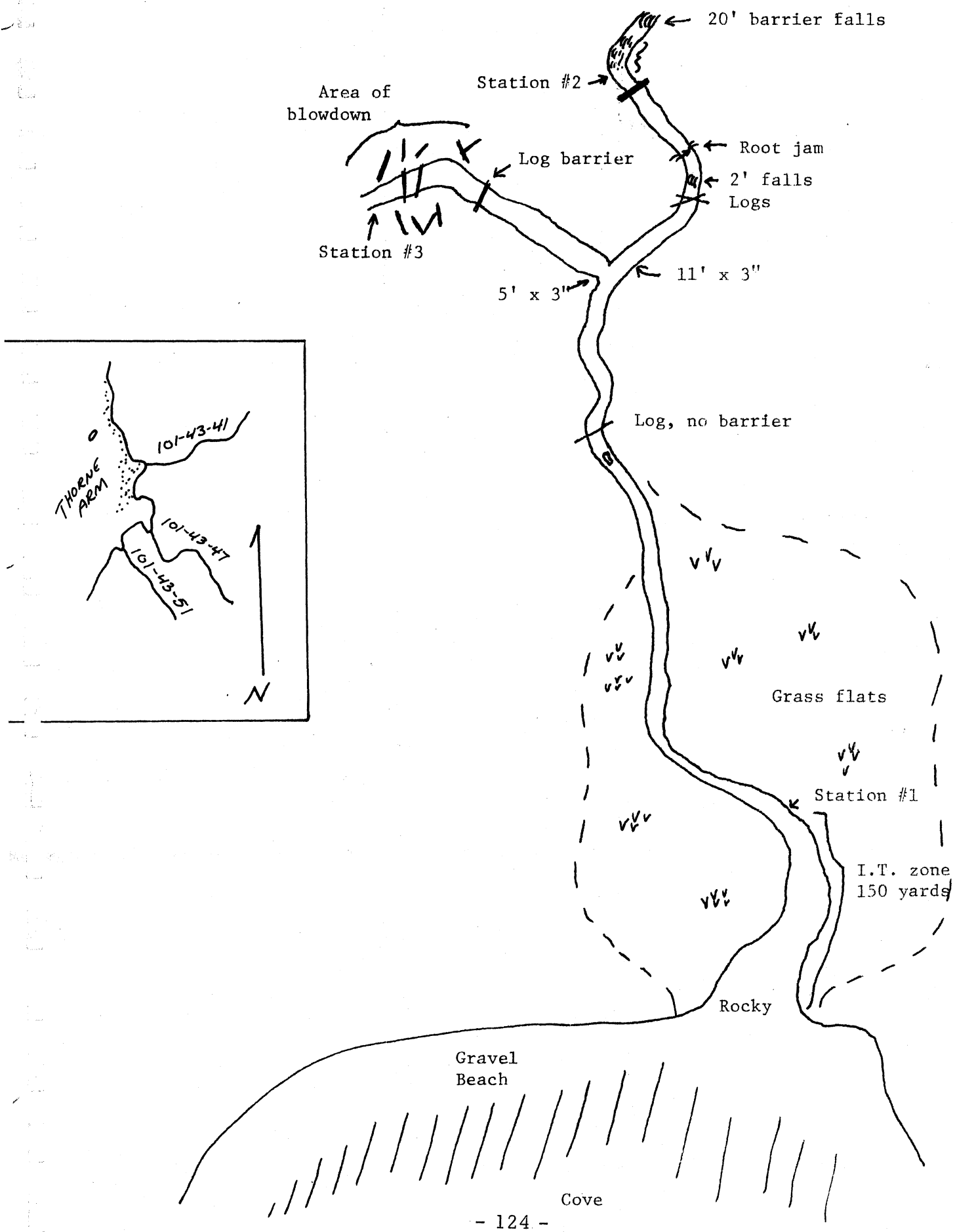
General Remarks (rehab., land use, barriers, log jams, etc.):

PEAK ESCAPEMENT RECORD

Gokachin Creek (Sea Level)
101-43-41

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
9-21-40	95,000	5,000		2000 off mouth.
9-27-41	30,000			
10-13-43	5,000	100		
9-18-45	60,000	10,000		10,000 off mouth.
9-27-47	10,750	2,850		Good.
10-1-49	962	304		227 dead pink, 128 dead chum.
9-25-50	1,680	170		120 dead pink, 105 dead chum.
9-25-51	4,550	500	Some coho	120 dead chum.
9-12-52	616	77	1 red	
9-11-53	340	170		Stream high, more present than seen.
9-19-54				Only survey. Poor vis. Only a few seen.
9-25-55	25,000			Few chum.
9-30-56	>20,000			Many dead pink.
9-16-57	1,200	6,300		
8-26-62	300			
8-8-63				None observed. I.T.
8-27-68				200 @ mouth. Mixed fish on lake bar.
9-6-74	700			Visibility good.

101-43-47
7-10-73
Dinneford, Smith



Name _____ Catalog No. 101-43-47
Latitude N 55 21' 32" WR No. _____
Longitude W 131 12' 20" K No. _____
Geodetic Map No. Ketchikan B-4 Work Area Ketchikan
Location E. Thorne Arm 1/4 mi. S. Gokachin Creek. Watershed Length 1 mile
Drainage Area of Watershed _____
Water Supply Type Precipitation

Trails & Survey Routes Easy walking along stream bed.

Aerial Survey Notes Visibility poor, vegetation lines banks.

Anchorage Good anchorage off mouth, 2 fathoms.

Tide Stage When Surveyed 2nd half of flood.

FISHERY RESOURCES

Commercial Fisheries No record - Potential excellent for pink good for coho.

Escapement No record. Spawning area = 2207 m^2. (2640'x12'x 75% ASA)

Species Composition No fry identified.

Timing Unknown.

Schooling areas Few pools in stream.

Shellfish Potential Poor - gravel beach in cove.

Sport Fisheries Dolly Varden, Cutthroat

Land Use at Present None

History of Land Use Logging occurred in the past, probably about the same time the Sea Level mine was in operation.

Rehabilitation Potential Removal of a few small logs could definitely enhance this stream's productivity.

Soils Very stable.

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

STREAM INVENTORY FORM

Name: _____

10 minute walking intervals. Number: 101-43-47

Observers: Dinneford, Smith
Date: 7-10-73
Temperature: _____
Weather: Cloudy

Station No.	1	2	3													
Pool Size/Type	0	2/1	2/1													
Riffle Type Width-Depth	16'W 5"D	12'W 10"D	9'W 2"D													
Pool Riffle Frequency	3	3	3													
Bottom Type (Riffle)	4	4	4													
Color/Turbidity	2	2	2													
Velocity	2	2	2													
Flow (C.F.S.)	4.3															
Temp. (°F.)																
pH	5	5	5													
Fry Abundance	2-1	4-1	0													
Benthos Sample No.	1															
Higher Plant Class	2/3	2	2													
Aquatic Veg. Density Ident. (1) Mosses	3	3	1													
(2) Algae	2	1	2													

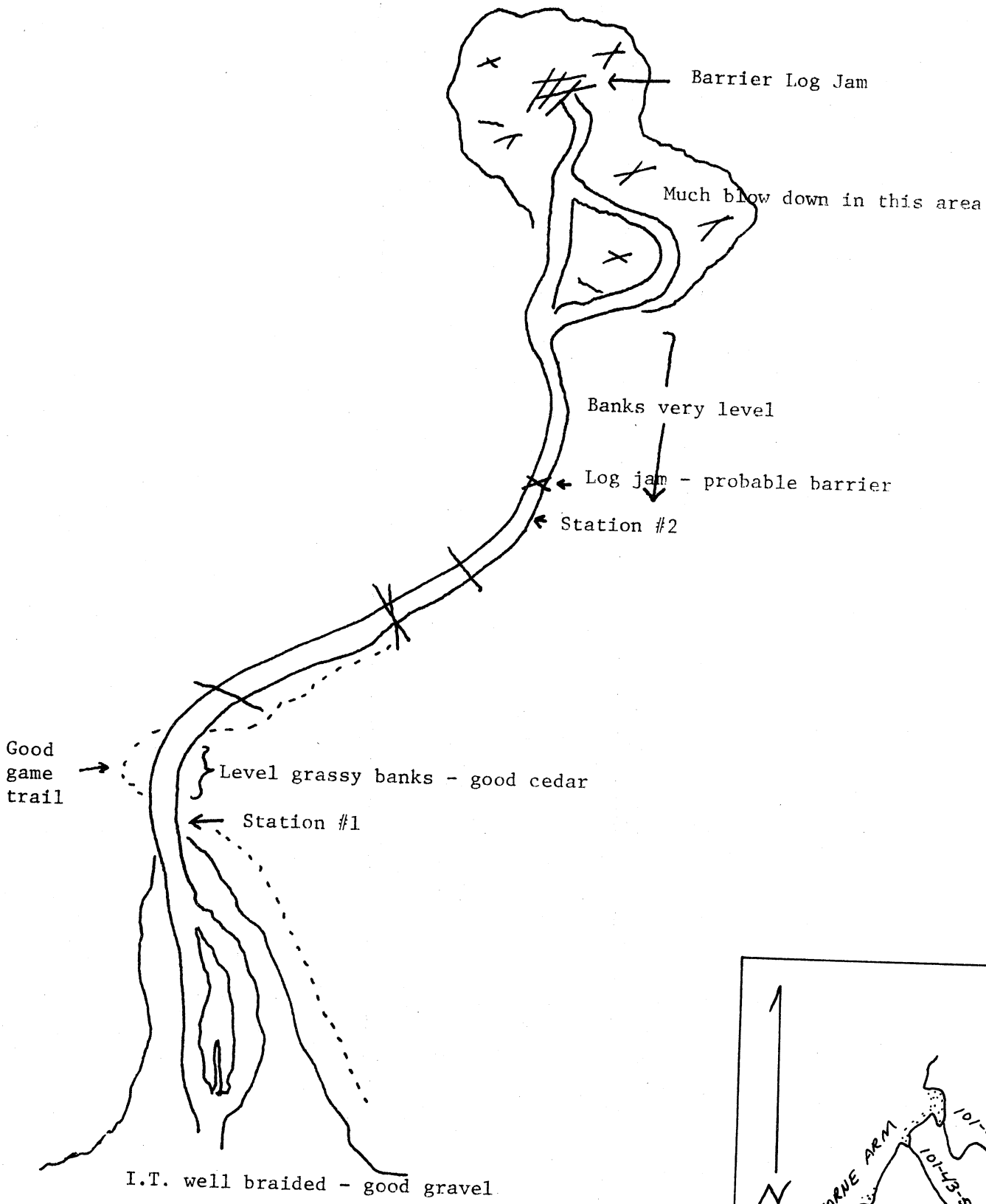
General Remarks (rehab., land use, barriers, log jams, etc.):

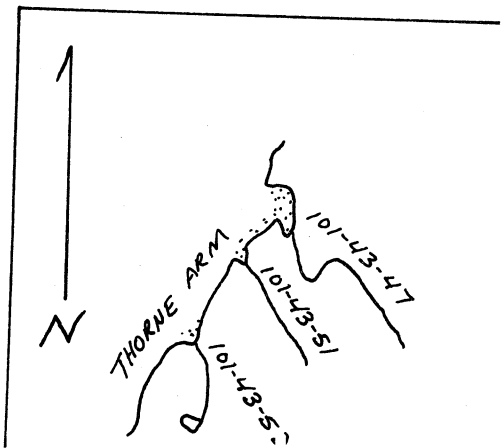
PEAK ESCAPEMENT RECORD

101-43-47

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
8-23-65				1500 @ mouth.
9-7-66	300			250 I.T. Poor visibility.
8-14-67				Good visibility.
8-27-68		250		Vis. poor in stream, good off mouth. 3500 @ mouth.
8-25-70				Vis. excellent. 2-3000 @ mouth.
8-20-73	500			Few @ mouth & I.T. Vis. fair.
8-28-74	3,500			Vis. excellent.
8-22-75	present			7000 @ mouth & I.T. Stream dark.

101-43-51
7-9-73
Dinneford, Smith





Name _____ Catalog No. 101-43-51
Latitude N 55 21' 28" WR No. _____
Longitude W 131 11' 00" K No. _____
Geodetic Map No. Ketchikan B-4 Work Area Ketchikan
Location E. Thorne Arm, 5 mi. S. Gokachin Cr. Watershed Length 1 mile
Drainage Area of Watershed _____
Water Supply Type Springs, Precipitation.

Trails & Survey Routes Easy walking along flat stable banks.

Aerial Survey Notes Poor visibility, short stream.

Anchorage Very poor off mouth, rocky and open to Southeast.

Tide Stage When Surveyed 2nd half of flood.

FISHERY RESOURCES

Commercial Fisheries No record, none observed.

Escapement No record. Spawning area: 1324 m^2 (1320'x12'x90% ASA).

Species Composition Pink (potentially), coho

Timing Unknown.

Schooling areas None

Shellfish Potential None, rocky off mouth.

Sport Fisheries Cutthroat

Land Use at Present None

History of Land Use None

Rehabilitation Potential None

Soils Stream sides very flat and stable.

GAME RESOURCES

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

STREAM INVENTORY FORM

Name: _____

Number: 101-43-51

Observers: Dinneford, Smith
Date: 7-9-73
Temperature: _____
Weather: Sunny

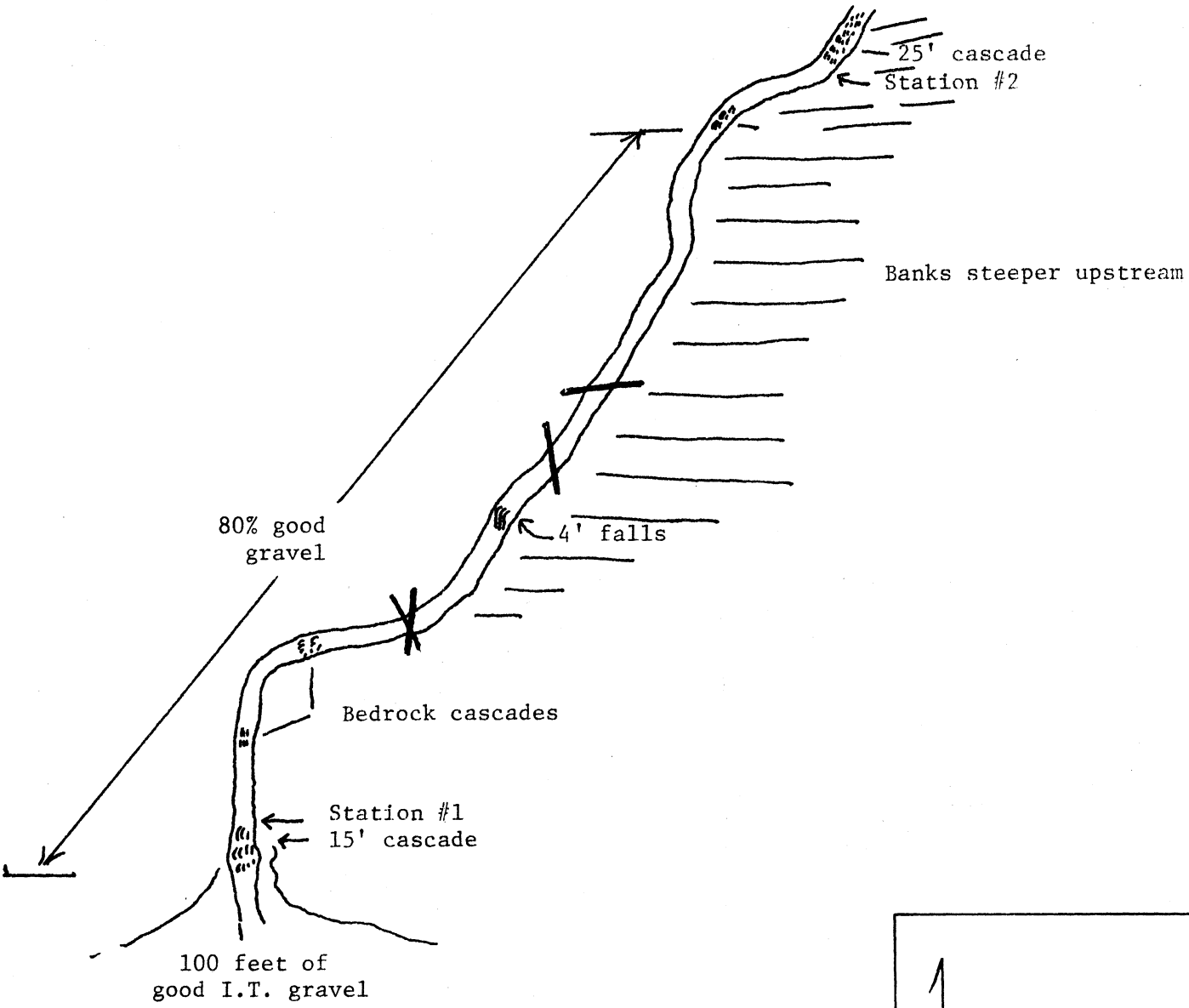
10 minute walking intervals.

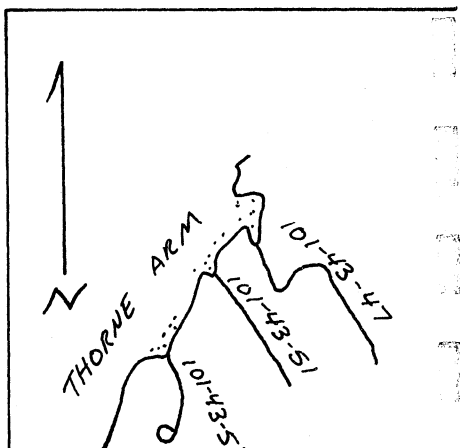
Station No.	1	2														
Pool Size/Type	3/2	3/3														
Riffle Type Width-Depth	19'W 3"D	5'W 2"D														
Pool Riffle Frequency	3	3														
Bottom Type (Riffle)	4	4														
Color/Turbidity	1	1														
Velocity	2	2														
Flow (C.F.S.)	3.5															
Temp. (°F.)																
pH	5	5														
Fry Abundance	3-1	4-1														
Benthos Sample No.	1	0														
Higher Plant Class	3/2	2/1														
Aquatic Veg. Density	3	3														
Ident. (1) Mosses (2) Algae	2	1														

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

101-43-52
7-9-73
Dinneford, Smith

Survey distance 1/4 mile





Name _____ Catalog No. 101-43-52
Latitude N 55° 21' 7" WR No. _____
Longitude W131° 12' 0" K No. _____
Geodetic Map No. Ketchikan B-4 Work Area Ketchikan
Location E. Thorne Arm, 1 mi S Gokachin Cr Watershed Length 1/2 mile
Drainage Area of Watershed _____
Water Supply Type Small lake, runoff

Trails & Survey Routes Walking moderately easy in stream and along bank - no major obstacles.
Aerial Survey Notes Visibility poor due to timber crowding the banks.

Anchorage Poor off mouth, veryrocky and exposed to winds.

Tide Stage When Surveyed 1st half of flood

FISHERY RESOURCES

Commercial Fisheries Many unidentified salmon fry observed. None taken in trap bait with salmon roe. Fair (300) fish) coho potential.
Escapement No record. Spawning area = 785 m^2. (1320'x8'x80% ASA)

Species Composition Unknown

Timing Unknown
Schooling areas None

Shellfish Potential None

Sport Fisheries Cutthroat

Land Use at Present None

History of Land Use None

Rehabilitation Potential Little possibility of improvement

Soils Mostly stable some downslope movement at Station #2. Banks start level, end moderately steep.

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

STREAM INVENTORY FORM

Name: _____

Number: 101-43-52

Observers: Dinneford, Smith

Date: 7-9-73

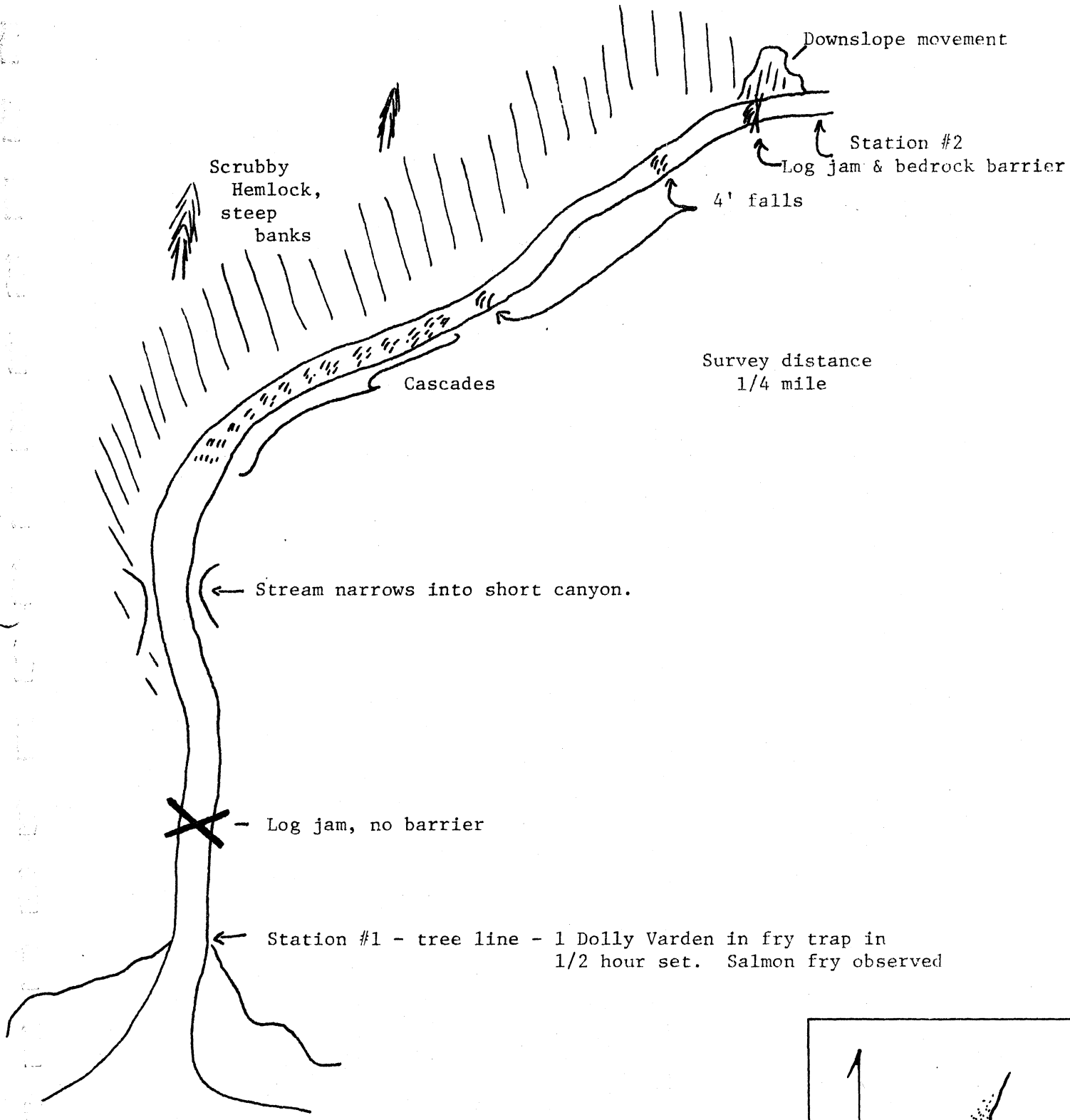
Temperature: _____

Weather: Sunny

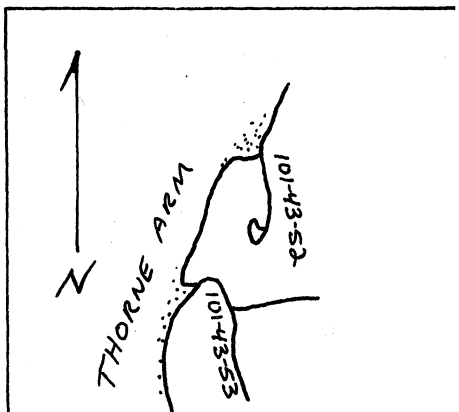
Station No.	1	2														
Pool Size/Type	2/2	2/1														
Riffle Type Width-Depth	9'W 4'D	8'W 4'D														
Pool Riffle Frequency	3	3														
Bottom Type (Riffle)	4	4														
Color/Turbidity	1	1														
Velocity	2	2														
Flow (C.F.S.)	2.1															
Temp. (°F.)																
pH	5	5														
Fry Abundance	2-1	4-1														
Benthos Sample No.	1	0														
Higher Plant Class	2/3	2/3														
Aquatic Veg. Density	3	2														
Ident. (1) Mosses (2) Algae	1	1														

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

101-43-53
7-9-73
Dinneford, Smith



I.T. very rocky - no eel grass, large boulders.



Name _____ Catalog No. 101-43-53
Latitude N 55° 20' 32" WR No. _____
Longitude W 131° 12' 32" K No. _____
Geodetic Map No. Ketchikan - B-4 Work Area Ketchikan
Location E. Thorne Arm, 1-1/2 mi N EHPt. Watershed Length 2 miles
Drainage Area of Watershed _____
Water Supply Type Runoff Precipitation

Trails & Survey Routes Fair walking along most of stream.

Aerial Survey Notes Poor, most of stream covered by trees.

Anchorage Poor at mouth, rocky

Tide Stage When Surveyed Low

FISHERY RESOURCES

Commercial Fisheries No record; unidentified salmon fry observed, none taken in fry trap.

Escapement No record. Limited spawning/rearing. Spawning Area: 736 m^2 1320'x20'x30%ASA)

Species Composition Unknown

Timing Unknown

Schooling areas None - rocky off mouth

Shellfish Potential None

Sport Fisheries Dolly Varden

Land Use at Present none

History of Land Use none

Rehabilitation Potential Possible log removal.

Soils Very rocky fairly stable with a few exposed areas from fallen trees. Stream banks steep.

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

STREAM INVENTORY FORM

Name: _____

Number: 101-43-53

Observers: Dinneford, Smith

Date: 7-9-73

Temperature: _____

Weather: Sunny

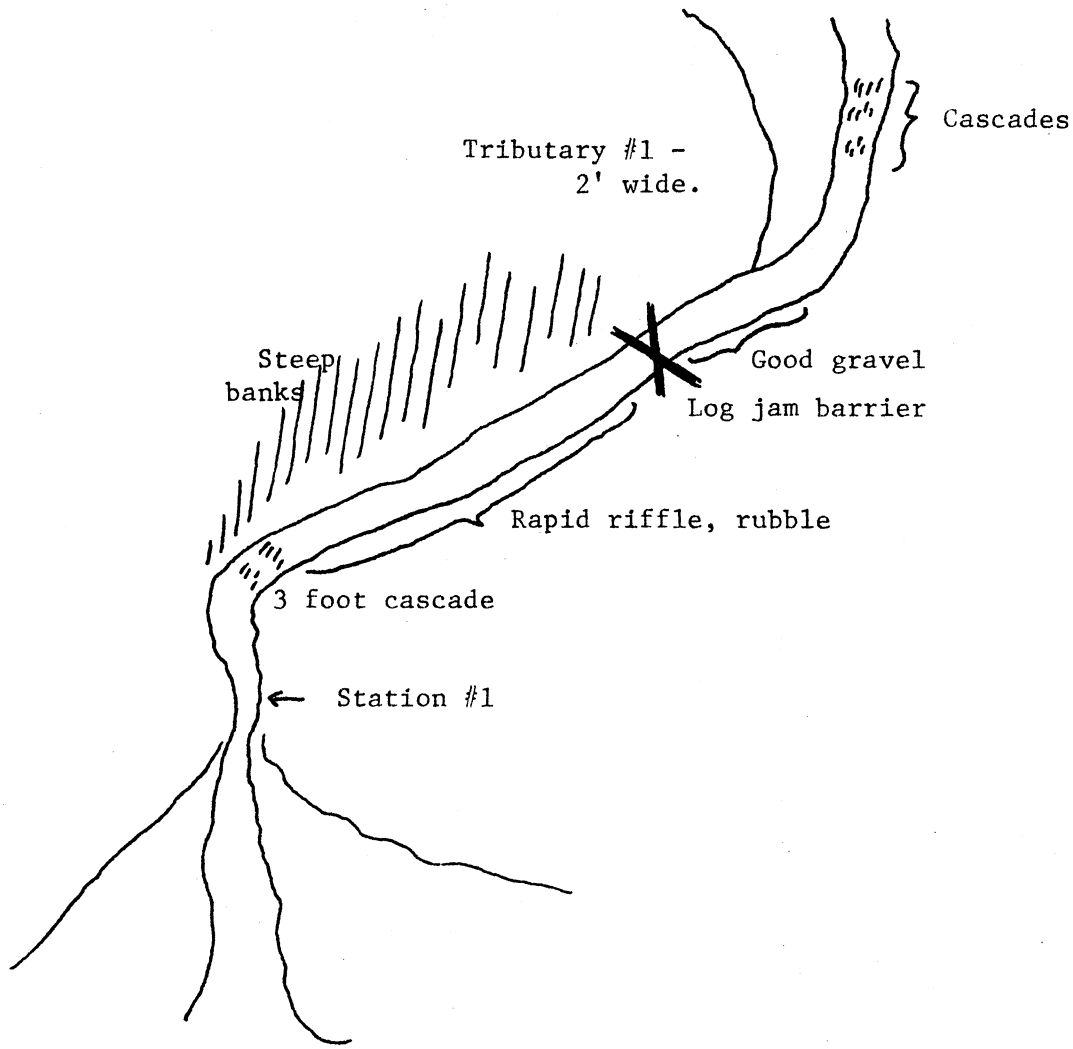
15 minute walking intervals.

Station No.	1	2														
Pool Size/Type	0	3/2														
Riffle Type Width-Depth	23'W 6"D	19'W 12"D														
Pool Riffle Frequency	3	3														
Bottom Type (Riffle)	4/5	4														
Color/Turbidity	1	1														
Velocity	2	2														
Flow (C.F.S.)	11.9															
Temp. (°F.)																
pH	6	6														
Fry Abundance	2-1 ~~3-1~~	0														
Benthos Sample No.	1															
Higher Plant Class	2	2														
Aquatic Veg. Density Ident. (1) Mosses (2) Algae	2 1	3 1														

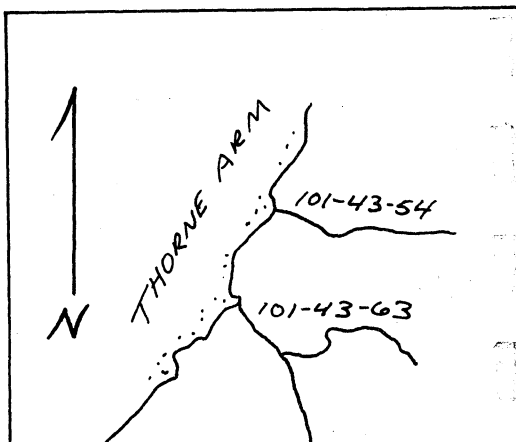
General Remarks (rehab., land use, barriers, log jams, etc.):

101-43-54
7-10-73
Dinneford, Smith

Survey distance 1/8 mile



I.T. very rocky



Name _____ Catalog No. 101-43-54
Latitude N 55 17' 38" WR No. _____
Longitude W 131 13' 57" K No. _____
Geodetic Map No. Ketchikan B-4 Work Area Ketchikan
Location E.Thorne Ram. S.Elf Pt. 2 miles Watershed Length 1.5 miles
Drainage Area of Watershed _____
Water Supply Type Precipitation and muskeg

Trails & Survey Routes Rough walking in stream.

Aerial Survey Notes No visibility

Anchorage Poor off rocky mouth.

Tide Stage When Surveyed 1st half of ebb.

FISHERY RESOURCES

Commercial Fisheries low potential for coho.

Escapement Unknown. Spawning area = 84 m^2. (600'x15'x10% ASA)

Species Composition Unknown

Timing Unknown

Schooling areas None

Shellfish Potential None

Sport Fisheries Dolly Varden

Land Use at Present None

History of Land Use None

Rehabilitation Potential None

Soils Banks of bedrock quite steep; many trees down suggests past unstability.

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

STREAM INVENTORY FORM

Name: _____

Number: 101-43-54

Observers: Dinneford, Smith

Date: 7-10-73

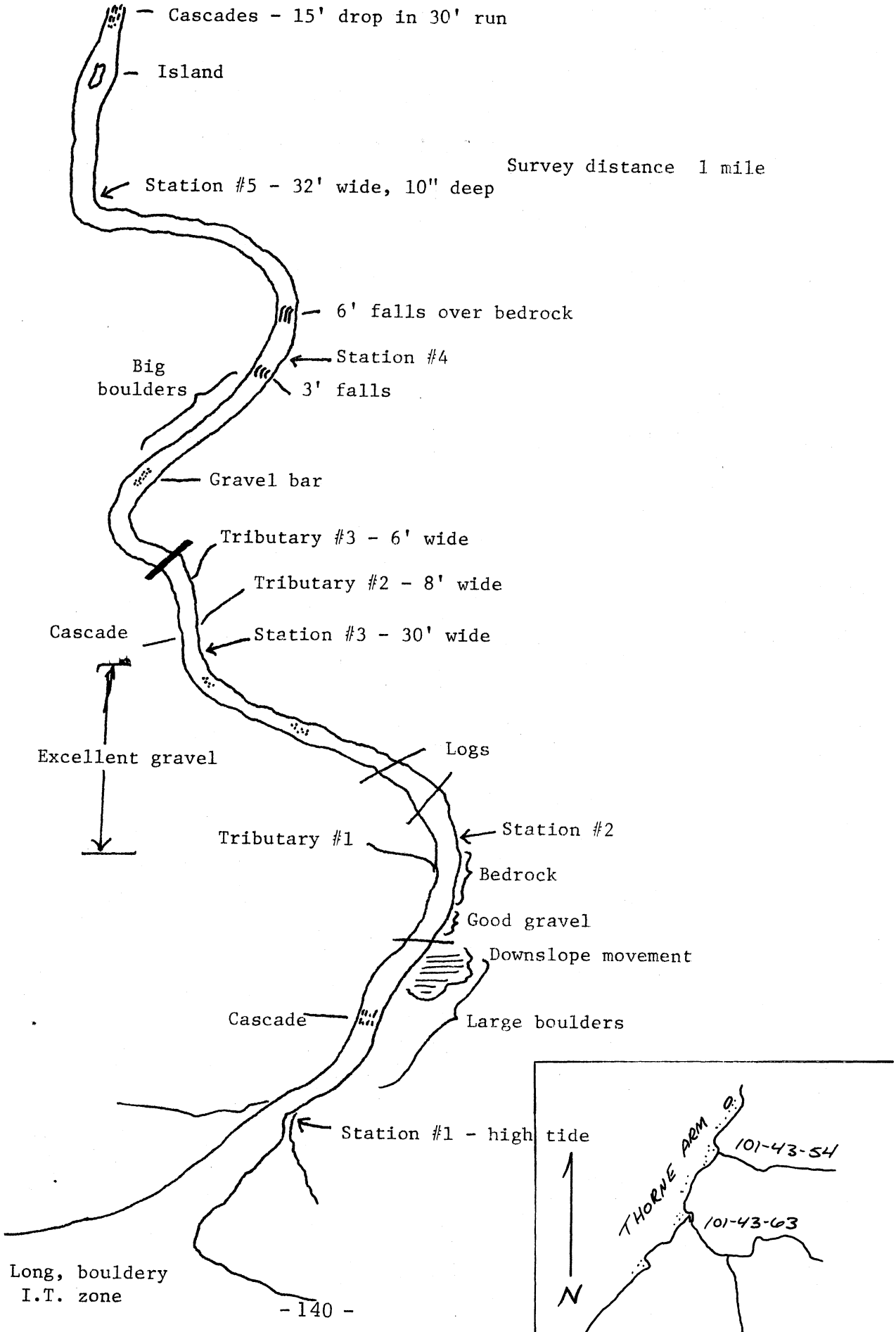
Temperature: _____

Weather: Rain

Station No.	1															
Pool Size/Type	0															
Riffle Type Width-Depth	15'W 12" D															
Pool Riffle Frequency	3															
Bottom Type (Riffle)	4/5															
Color/Turbidity	2/2															
Velocity	2															
Flow (C.F.S.)	13.5															
Temp. (°F.)																
pH	6															
Fry Abundance	2-1															
Benthos Sample No.	1															
Higher Plant Class	2															
Aquatic Veg. Density Ident. (1) Mosses (2) Algae	3 2															

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

101-43-63
7-10-73
Dinneford, Smith



Name

Latitude N 55 16' 08"

Longitude W 131 15' 48"

Geodetic Map No. Ketchikan B-4

Location E. Thorne Arm, 2.5 mi. S.Elf Pt.

Drainage Area of Watershed

Catalog No. 101-43-63

WR No.

K No.

Work Area ~~XXXXXXXXXX~~ Ketchikan

Watershed Length 1-3/4 miles

Water Supply Type Precipitation, springs.

Trails & Survey Routes Difficult walking, thick alders to banks and slippery boulders in stream.

Aerial Survey Notes Good visibility, especially in lower portion, suggest an aerial survey for upper stream.

Anchorage Fair off mouth for small craft.

Tide Stage When Surveyed 1st half of flood.

FISHERY RESOURCES

Commercial Fisheries coho fry observed. Good potential for a smaller system.

Escapement Unknown. Spawning area = 5886 m^2 (5280'x30'x 40% ASA)

Species Composition Coho fry observed.

Timing Unknown

Schooling areas None

Shellfish Potential None

Sport Fisheries Dolly Varden, Rainbow, Cutthroat

Land Use at Present None

History of Land Use None

Rehabilitation Potential None.

Soils Stable banks predominate. Fair to good timber.

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

STREAM INVENTORY FORM

Name: _____

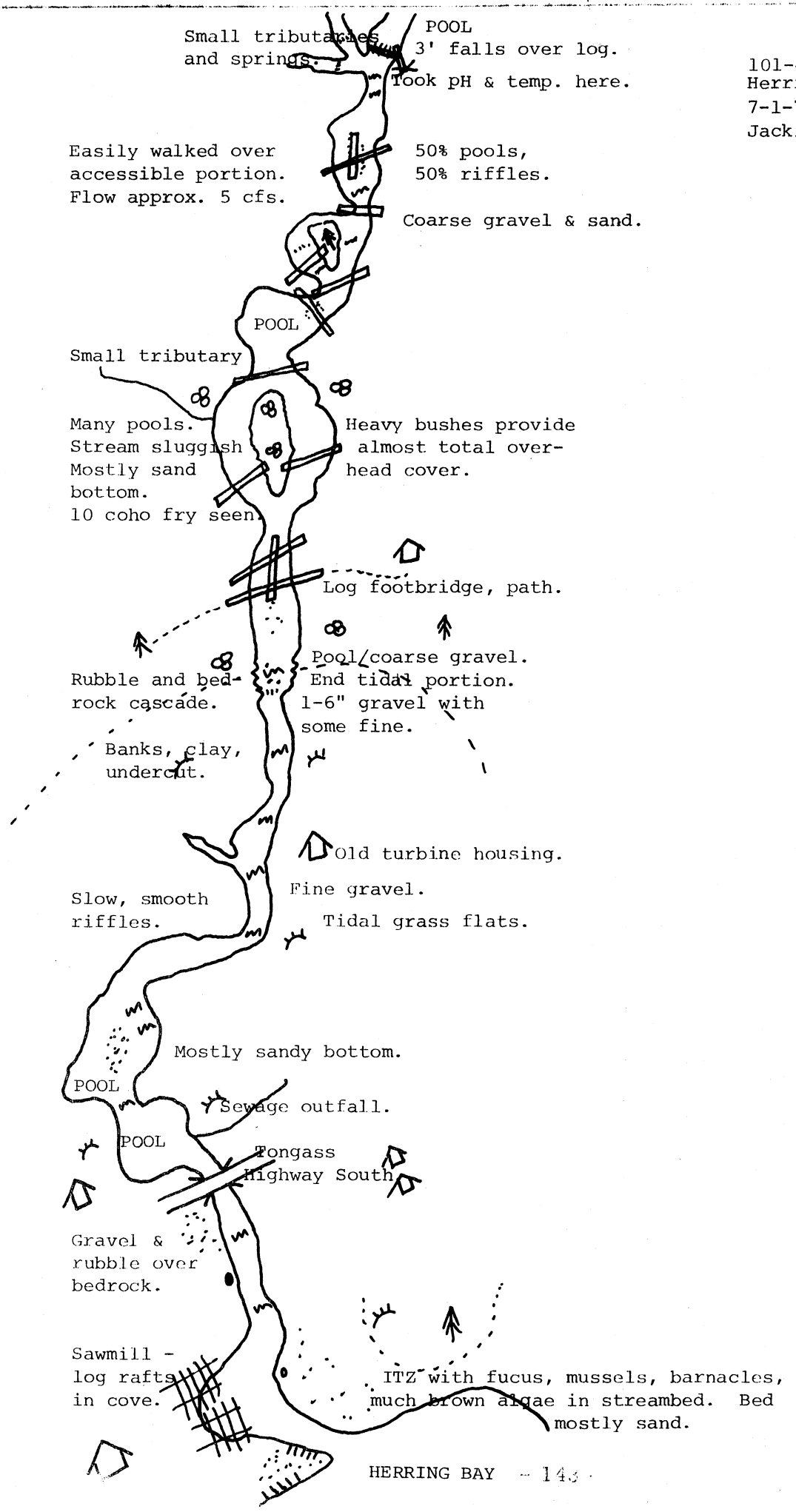
Observers: Dinneford, Smith
Date: 7-10-73
Temperature: _____
Weather: Rain

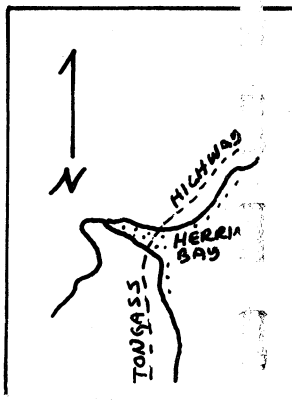
10 minute walking intervals. Number: 101-43-63

Station No.	1	2	3	4	5											
Pool Size/Type	3/2	3/1	3/1	3/1	3/1											
Riffle Type Width-Depth	35'W 10"D	32'W 10"D	30'W 12"D	22'W 12"D	32'W 10"D											
Pool Riffle Frequency	3	3	3	3	3											
Bottom Type (Riffle)	5	5	4	5/6	4/5											
Color/Turbidity	2	2	2	2	2											
Velocity	2	2	2	2	2											
Flow (C.F.S.)	21.2															
Temp. (°F.)																
pH	5	5	5	5	5											
Fry Abundance	5-4 2-2 3-7	0	2-28 3-1	5-13 0	0											
Benthos Sample No.	1															
Higher Plant Class	2	1/2	1/2	1/2	3/1											
Aquatic Veg. Density	2	2	2	2	2											
Ident. (1) Mosses																
(2) Algae	2	2	1	2	2											

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

101-45-07
Herring Bay Creek
7-1-76
Jackinsky





Name: Herring Bay Creek
Latitude: 55 19 36
Longitude: 131 31 36
Geodetic Map No: Ketchikan B-5
Location: George Inlet, Herring Cove, Head

Catalog No: 101-45-07
Former Stream No: K 92, previous no. 86C

Work Area: Ketchikan
Watershed Length: 1 mile
Drainage Area: 1 sq. mile
Water Supply Type: Runoff

Trails & Survey Routes: Intertidal zone easily walked at low tide, trails along most of accessible upper portion.

Aerial Survey Notes: Intertidal and mouth counts only.

Anchorage: Creek is on road system near Ketchikan, harbors abound.

Tide Stage when Surveyed: Low

RESOURCES

COMMERCIAL FISHERIES (species, escapement, timing, spawning area): Pink, chum, coho. Timing late (Sept.-Oct.) Spawning area 739 m^2 (900'x10'x80% ASA) Upper ITZ + (300'x5'x50% ASA). Excellent rearing for coho in upstream section.

Schooling Areas: Poolsat power house and top of intertidal area and scattered frequent pools upstream.
Spawning Areas: Intertidal area above bridge and scattered riffles upstream.

SHELLFISH POTENTIAL: None

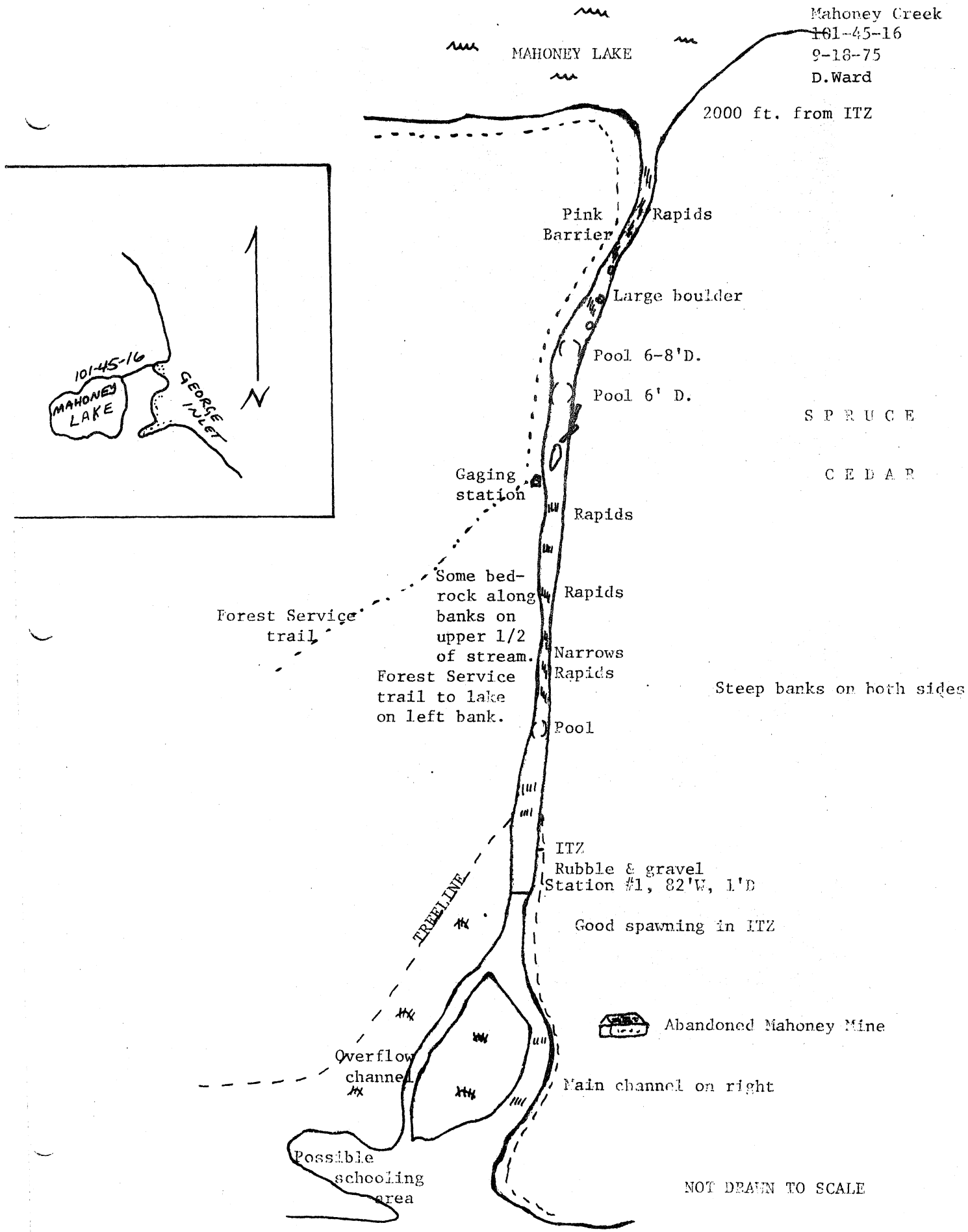
SPORT FISHERIES: Use infrequent, little potential.

LAND USE (history, present, proposed): Area around creek settled for virtually the accessible length concomitant. Constant and varied use of intertidal basin. Site of former powerhouse. Log storage in estuary.

REHABILITATION POTENTIAL: None

SOILS: Stable throughout surveyed portion.

GAME RESOURCES (species, use, habitat): Seagulls. Proximity to human habitations limits wildlife utilization.


Mahoney Creek
101-45-16
9-18-75
D.Ward
MAHONEY LAKE
2000 ft. from ITZ
Pink Barrier
Rapids
Large boulder
Pool 6-8'D.
Pool 6' D.
SPRUCE
CEDAR
101-45-16
MAHONEY LAKE
GEORGE INLET
N
Gaging station
Rapids
Some bed-rock along banks on upper 1/2 of stream.
Rapids
Forest Service trail
Narrows
Rapids
Forest Service trail to lake on left bank.
Steep banks on both sides
Pool
ITZ
Rubble & gravel
Station #1, 82'W, 1'D
TREELINE
Good spawning in ITZ
Abandoned Mahoney Mine
Overflow channel
Main channel on right
Possible schooling area
NOT DRAWN TO SCALE

Name Mahoney Creek
Catalog No. 101-45-16
Latitude N 55° 25' 35"
WR No. 87
Longitude W 131° 30' 34"
K No. 93
Geodetic Map No. Ketchikan B-5
Work Area Ketchikan
Location W.side Geo. In. 2 mi so. of Coon Ck.
Watershed Length 2.2 miles
Drainage Area of Watershed 5.4 sq. miles, polar planimeter
Water Supply Type Precipitation fed, and snowfields on ridge above lake.

Trails & Survey Routes There is a Forest Service trail to the lake. The stream is also accessible by walking on the banks.
Aerial Survey Notes This stream is too small and narrow to effectively survey by air.
Anchorage Anchor in small cove .3 miles south of mouth

Tide Stage When Surveyed Low tide.

FISHERY RESOURCES
Commercial Fisheries Pink, chum, red, coho

Escapement Limited historical records High pink esc: 10-11-74, 1000 pink, 1000 chum 8-8-57: 10-15,000 red were counted. Spawning area: 1045 m^2 (250'x75'x60% ASA)

Timing Late - September, October.
Schooling areas Possible schooling area at mouth of stream

Shellfish Potential Possibly dungness crab in cove. .3 miles south of stream mouth.
Sport Fisheries Rainbow, possibly cutthroat and Dolly Varden

Land Use at Present Recreation

History of Land Use Ruins of old mine on north side of ITZ

Rehabilitation Potential Has the potential of being a good sockeye producer but the stocks may need to be artificially restored.
Soils Steep banks and relatively high recreational use by humans could cause severe erosion of the banks along Mahoney Creek

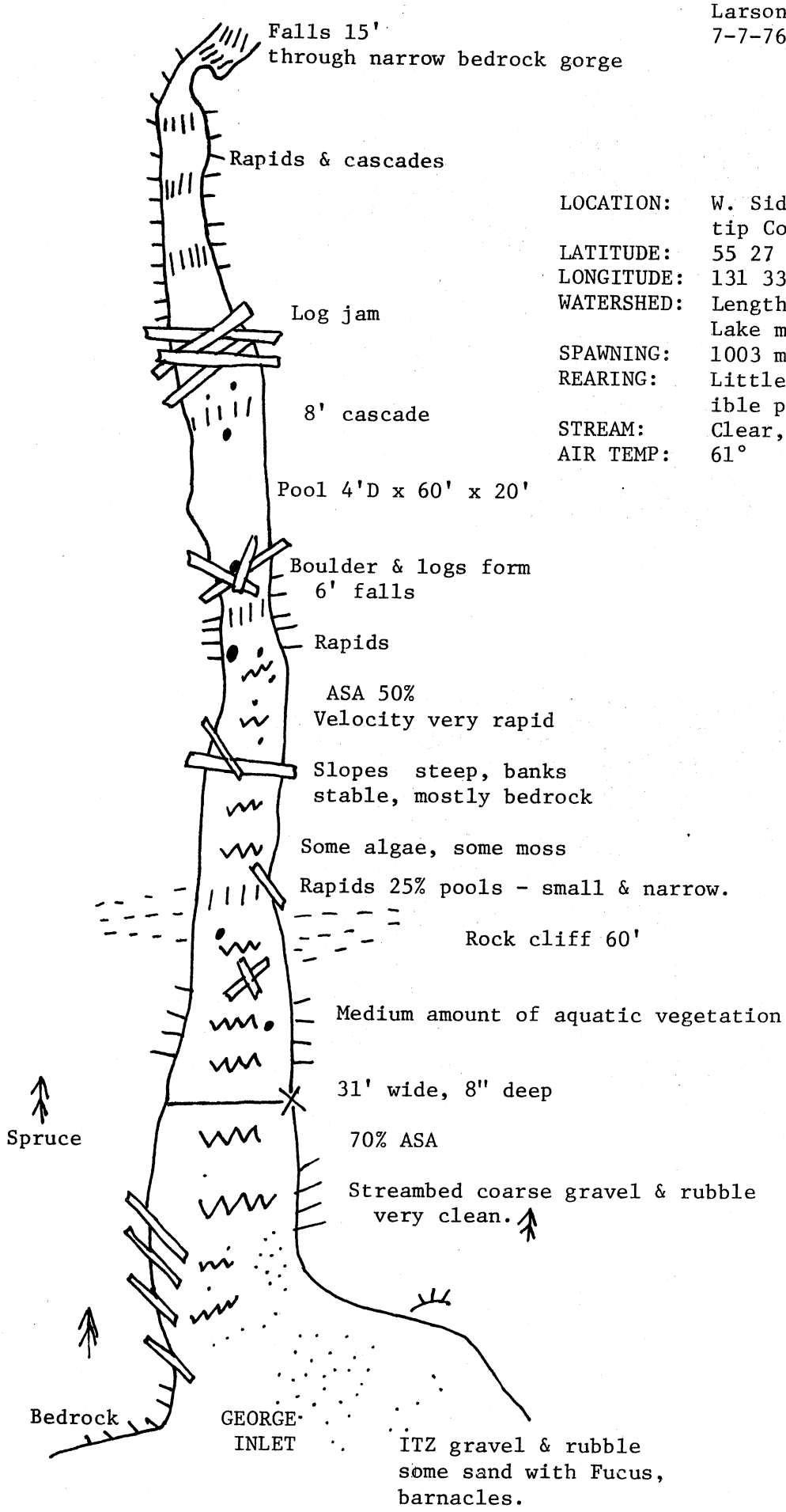
GAME RESOURCES

Bear -------	Fish carcasses or bones (old or fresh) on banks, estimate	10
	Number of droppings	15
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	4adults
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 yds
	Estimate depth out from beach	50 yds
	Eel grass present on what percent of flats	0

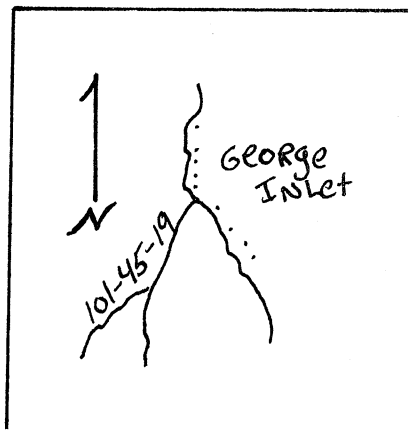
101-45-19, station #1, June 1976

101-45-19, station #1, looking downstream, June 1976

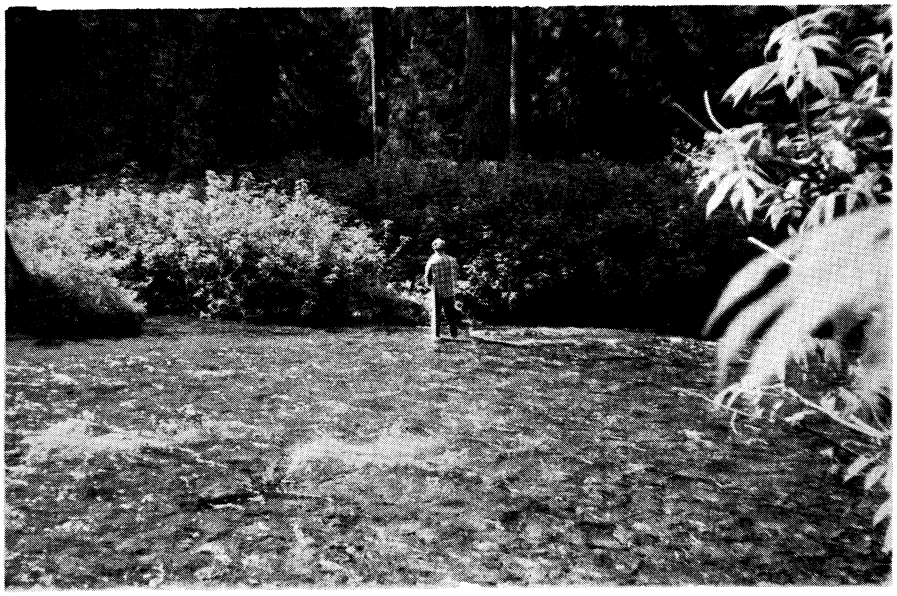
101-45-19
Larson, Jackinsky
7-7-76



LOCATION: W. Side George Inlet, 1 m. W.S. tip Coon Island.
LATITUDE: 55 27 27
LONGITUDE: 131 33 25
WATERSHED: Length 2.4 miles, area 2 sq. miles, Lake muskeg, runoff.
SPAWNING: 1003 m^2 (30'x600'x60% ASA)
REARING: Little rearing available in accessible portion of creek.
STREAM: Clear, rapid, 16 cfs, 44°, pH 7.5
AIR TEMP: 61°

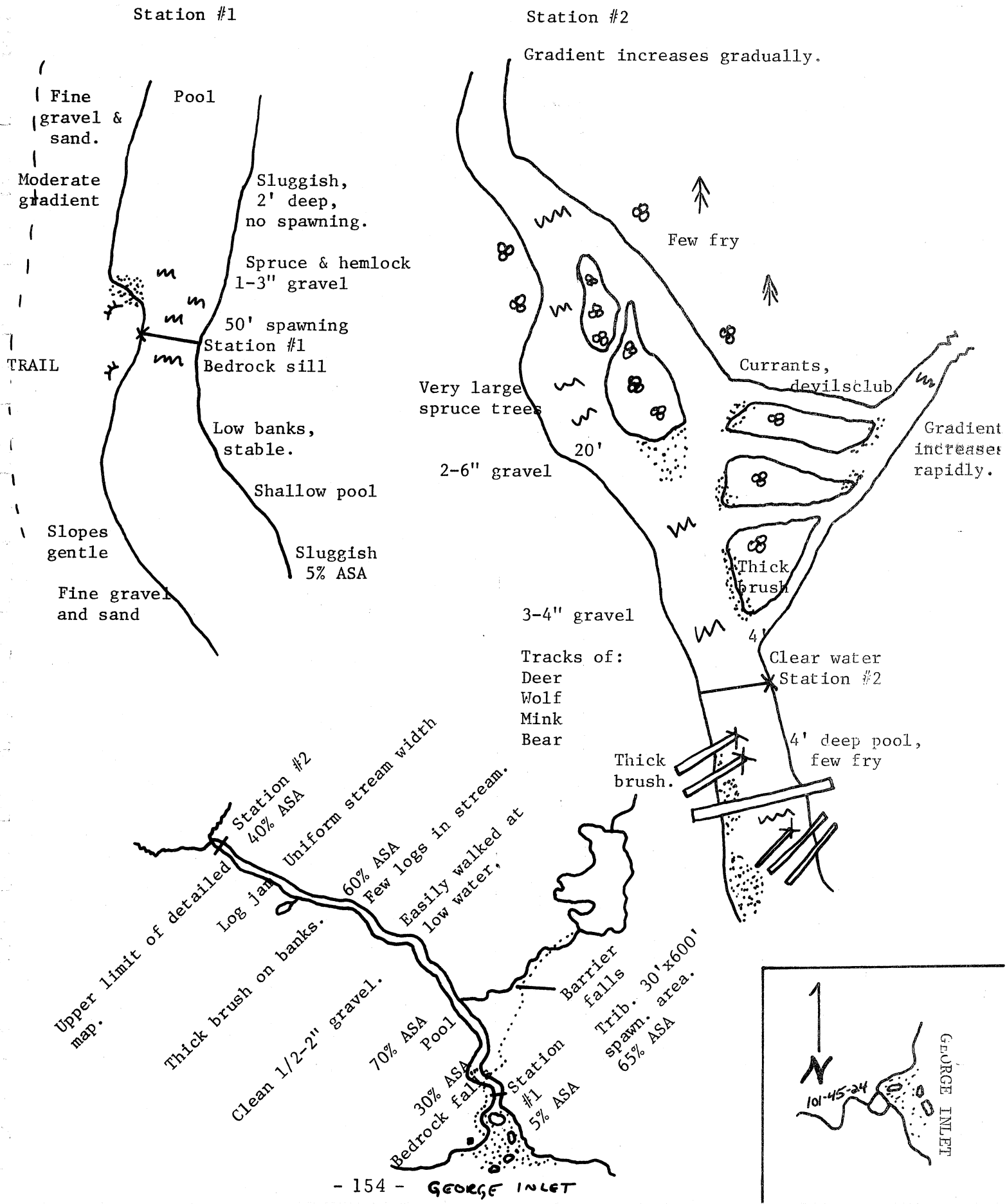


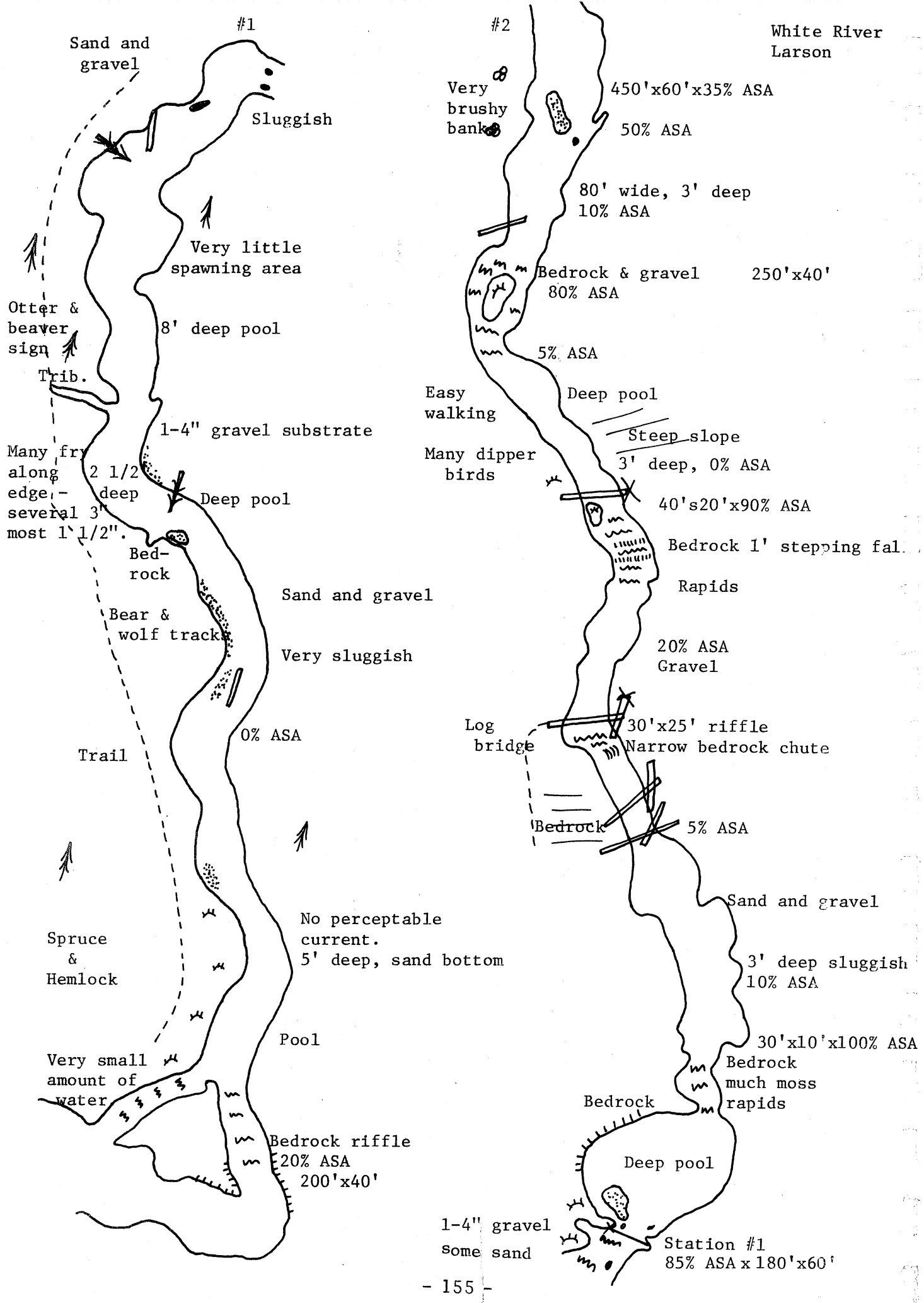
WHITE RIVER, Station #1, downstream



WHITE RIVER, Station #2

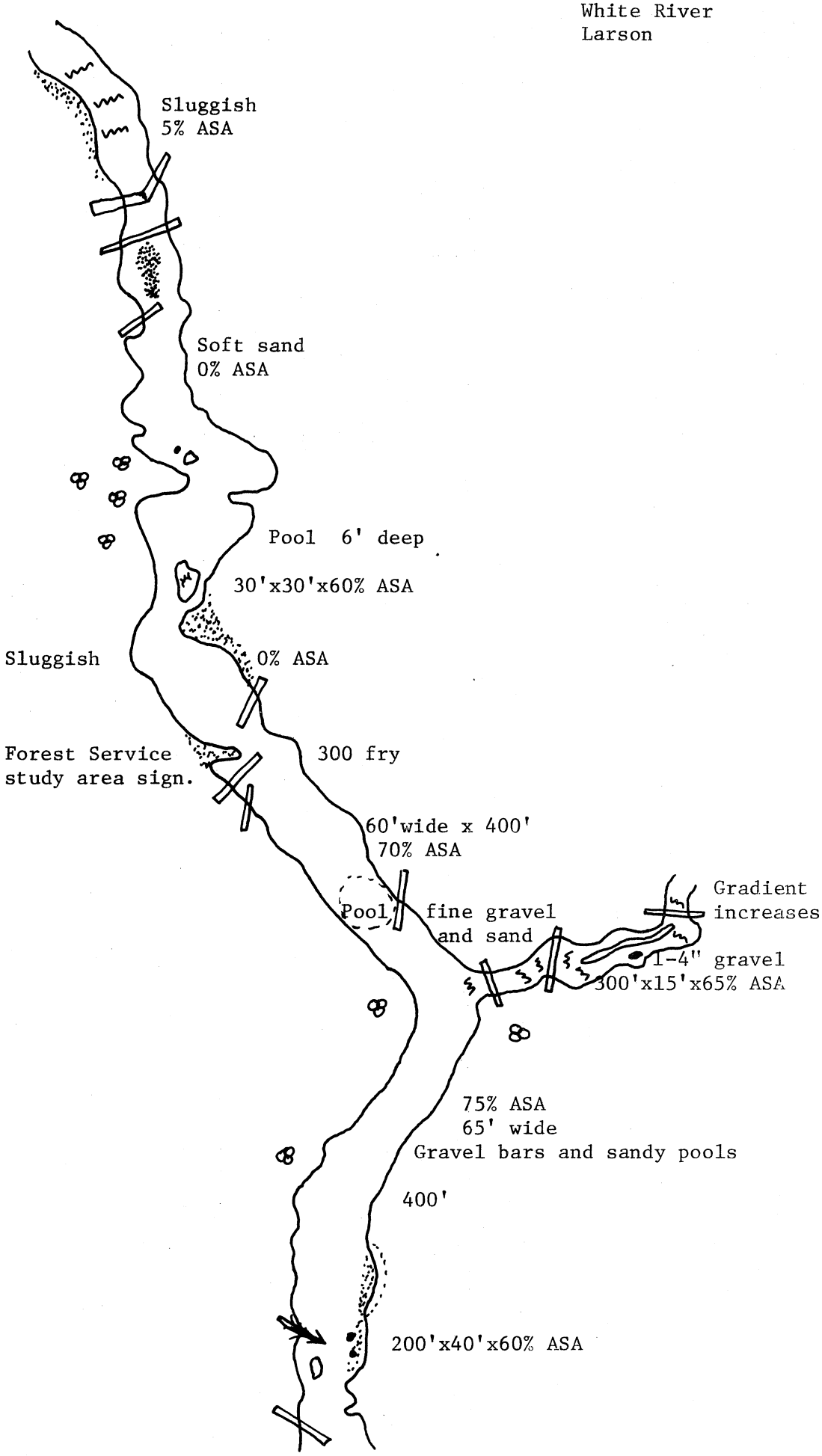
White River
6-16-76
Larson, Jackinsky




#1
Sand and gravel
Sluggish
Very little spawning area
Otter & beaver sign
8' deep pool
Trib.
1-4" gravel substrate
Many fry along edge - several 3" most 1 1/2".
2 1/2' deep
Deep pool
Bed-rock
Sand and gravel
Bear & wolf tracks
Very sluggish
0% ASA
Trail
No perceptable current.
5' deep, sand bottom
Spruce & Hemlock
Pool
Very small amount of water
Bedrock riffle
20% ASA
200'x40'
#2
White River
Larson
Very brushy bank
450'x60'x35% ASA
50% ASA
80' wide, 3' deep
10% ASA
Bedrock & gravel
80% ASA
250'x40'
5% ASA
Easy walking
Deep pool
Steep slope
Many dipper birds
3' deep, 0% ASA
40's20'x90% ASA
Bedrock 1' stepping fal.
Rapids
20% ASA
Gravel
Log bridge
30'x25' riffle
Narrow bedrock chute
Bedrock
5% ASA
Sand and gravel
3' deep sluggish
10% ASA
30'x10'x100% ASA
Bedrock
much moss
rapids
Bedrock
Deep pool
1-4" gravel
Some sand
Station #1
85% ASA x 180'x60'

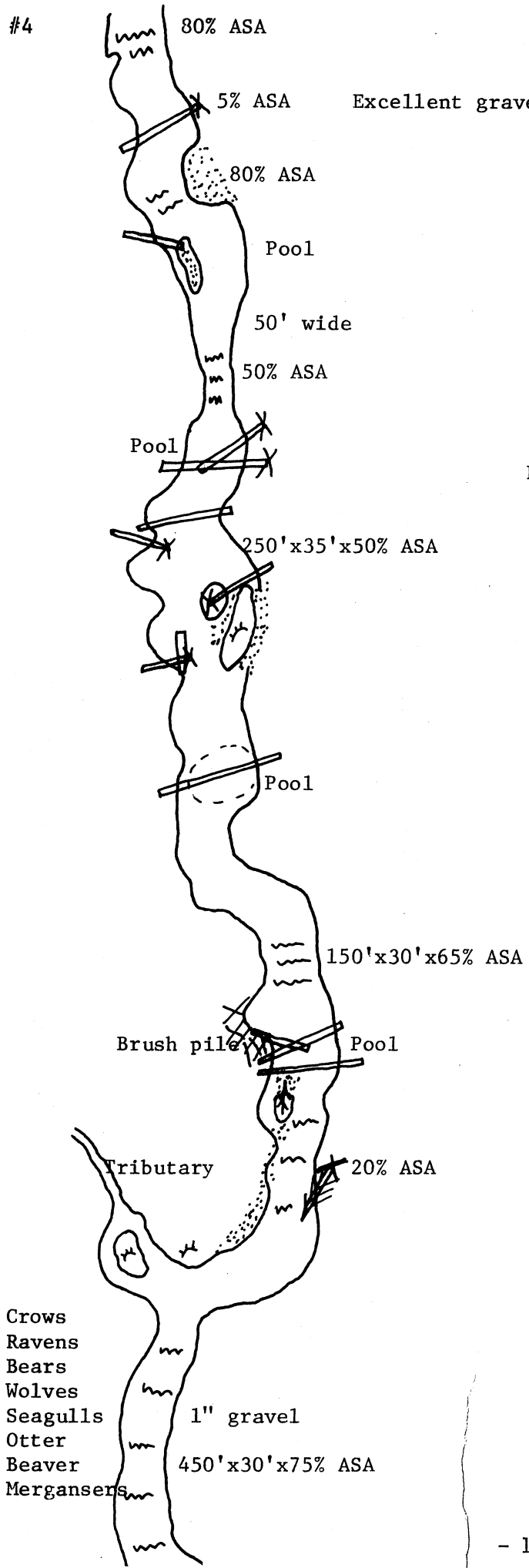
White River
Larson

#3

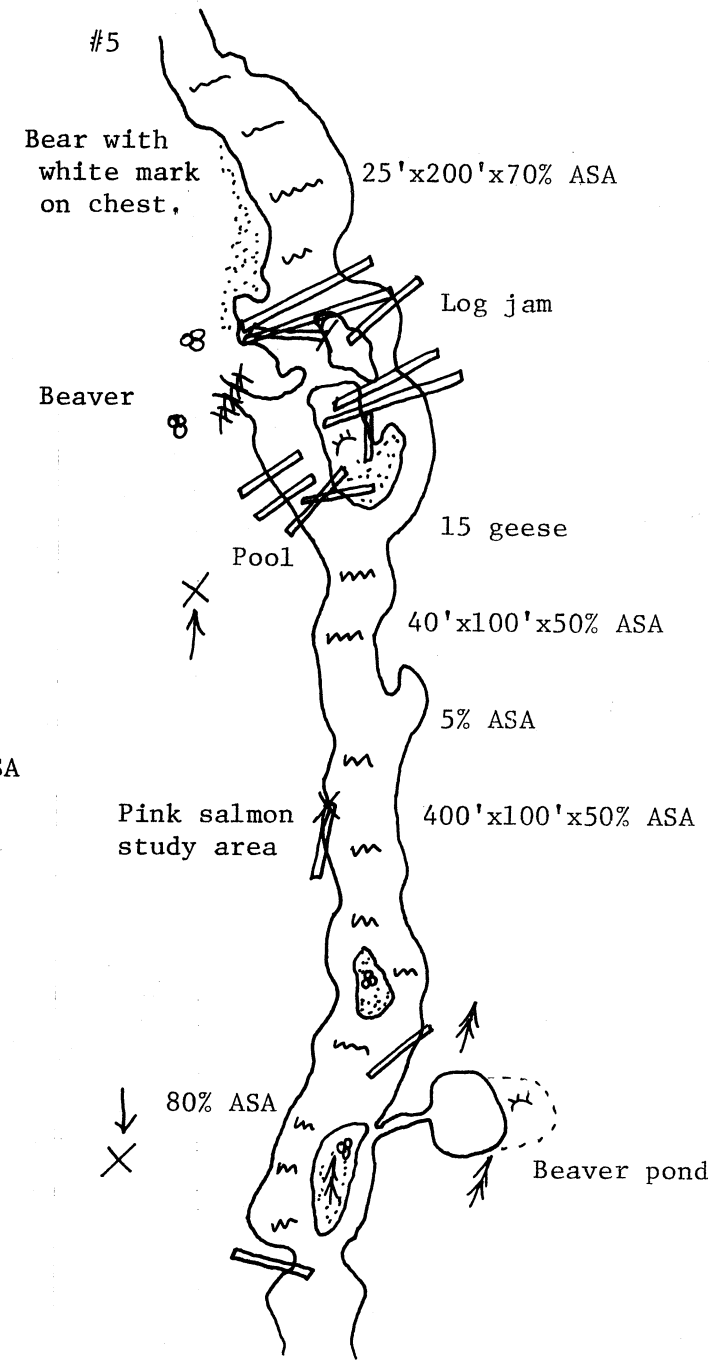


White River
Larson

#4



#5



Name: White River
Latitude: 55° 28' 26"
Longitude: 131° 32' 13"
Geodetic Map No: Ketchikan B-5
Location: W. side George Inlet, 2.4 miles S.W. Bat Point

Catalog No: 101-45-24
Former Stream No: K 94, Prev. no. 88

Work Area: Ketchikan
Watershed Length: 7.2 miles
Drainage Area: 13 sq. miles
Water Supply Type: Muskeg, lake, small ponds, runoff.

Trails & Survey Routes: Trail follows River 1.5 miles from mouth, beyond that streambed fairly easily walked with game trails on banks as alternatives.

Aerial Survey Notes: River sufficiently large and wide for aerial survey but several deep pools could conceal large numbers of fish.

Anchorage: Just south of Forest Service trail marker in 11 fathoms.

Tide Stage when Surveyed: Began at 2nd half of flood, ended at low tide.

RESOURCES

COMMERCIAL FISHERIES (species, escapement, timing, spawning area): Pink, chum, coho. See attached escapement record. Timing late (Sept. - October) High 1970 - 50,000 pink, low 1962-0; 14 year average since 1961 12,550. Spawning areas 35,000 m^2 (15,000'x50'x50% ASA)

Schooling Areas: Numerous deep pools and sloughs (noted on accompanying map)

Spawning Areas: At confluence of Harriet Hunt Lake stream and above.

SHELLFISH POTENTIAL: Clams and crabs on delta at mouth of stream. (tide flat 200 yds. - 1% eelgrass)

SPORT FISHERIES: Good fishing for Dolly Varden, cutthroat, rainbow.

LAND USE (history, present, proposed): Watershed entirely within Tongass National Forest, White River Girl Scout Camp south of mouth. Harriet Hunt Lake area and upper tributaries of White River and connected by road to North Tongass Highway and comprise a heavily used local recreation area.

REHABILITATION POTENTIAL: None needed to increase salmon production.

SOILS: Banks low, level, apparently stable at present.

GAME RESOURCES (species, use, habitat): Bear (500 carcasses, 40 droppings), geese (15), mallards (4), mergansers (3), eagles (6), seal (1).

STREAM INVENTORY FORM

Name: White River

Number: 101-45-24

Observers: Larson/Ward/Jackinsky
Date: 9-18-75 & 6-16-76
Temperature: 60° 75°
Weather: Clear

Station No.	1	2														
Pool Size/Type	1/1	3/2														
Riffle Type Width-Depth	60'W .99'D	58'W 1'D														
Pool Riffle Frequency	3	2														
Bottom Type (Riffle)	4/1	4														
Color/Turbidity	1/1	1/1														
Velocity	1	2														
Flow (C.F.S.) *	48	129														
Temp. (°F.)	48°	45°														
pH	7.5	7.5														
Fry Abundance		0														
Benthos Sample No.																
Higher Plant Class	1	1														
Aquatic Veg. Density	3	3														
Ident. (1) Mosses (2) Algae	1	2														

General Remarks (rehab., land use, barriers, log jams, etc.): #1: 9-18-75
#2; 6-16-76

PEAK ESCAPEMENT RECORD

White River
101-45-24

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
9-10-40	3,000			7,000 pink off mouth.
9-28-41				Fair.
9-14-42				Good. 20,000 off mouth.
10-11-43	500	100		Fair. 1000 off mouth.
10-5-47	2,000			Fair. 1000 dead pink.
9-17-49	1,599	45		173 dead pink, 7 dead chum.
9-17-50	1,238	86		8 dead pink, 4 dead chum.
9-6-53				Few fish in stream.
8-26-56	1,500	4,500		2000 chum, pink @ mouth.
7-28-61				300 @ mouth. Schooled.
8-28-62				500 @ mouth. Prob. chum. Vis. poor.
8-13-63	39,800			Vis. poor to fair. Most schooled some spawning & dead.
8-30-64	15,000	8,000		Chums spawning in upper, pinks schooled.
8-26-65	14,000	500		2000 I.T. Stream low, fish spawn.
8-13-66	2,400	200		Poor vis. raining. 500 @ mouth.
8-14-67	780			3-4000 @ mouth on 8-3. Vis. Ex. except some shadow on lower strm.
8-19-68	300	few		Vis poor. in stream, good @ mouth. 8,000 at mouth.
8-20-69	3,000			Fish activity in pools and riffles. Very poor vis. stream hi & dark.
9-8-70	3,000			Hard stream to survey.
8-27-71	50,000			Vis. good. Except lower area.
8-30-72	6,900	some - no	break down.	Vis. fair. Majority spawning.
8-11-73	21,200			500 @ mouth. Vis. fair to poor. Water dark.

PEAK ESCAPEMENT RECORD

White River
101-45-24

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
8-28-74	5,400			200 @ mouth.
8-21-75	20,700	20		270-300 @ mouth.

LOCATION: W. George In., .7 miles south of head of Leask Cove

101-45-30
R.Larson

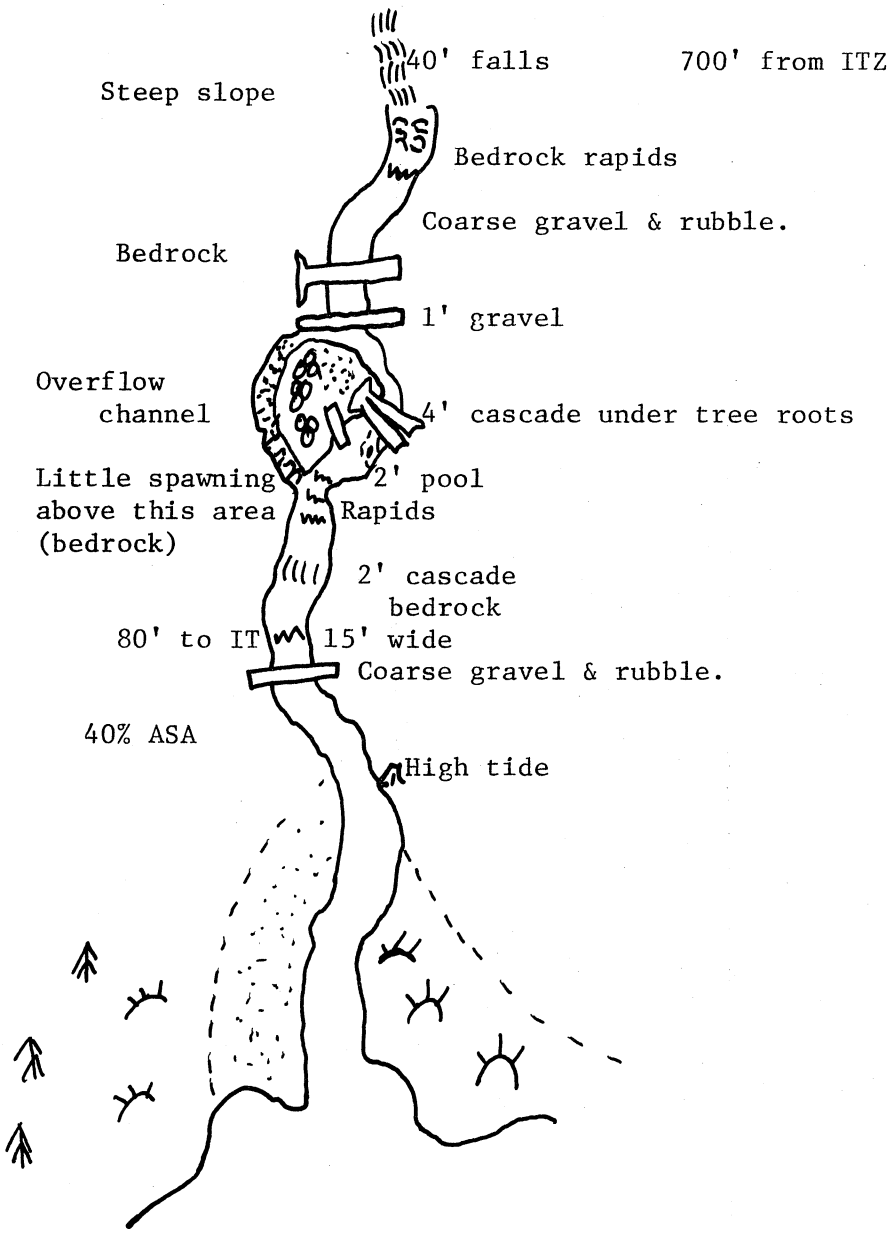
WATERSHED: length 1-1/2 miles, area 2-1/2 miles
source - runoff. Air temp. 57°F.

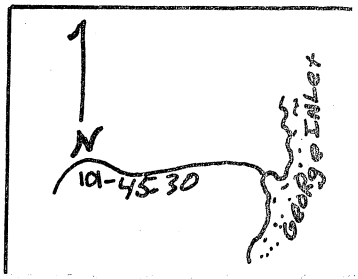
STREAM DATA: pH 7.75, 50°F, 17' width, clear,

SPAWNING: 60 m^2 (100'x15'x40% ASA)

REARING: Poor rearing area.

SLOPE: Gentle on north side, steep on south.





Leask Creek
101-45-32
7-20-73
Dinneford, Blankenbeckler

Survey distance - 1 mile

#4

Beaver dam

Small cascade, log just below.

Much beaver sign - grassy flats surround slow moving sandy bottom pools

Bedrock cascade; 15' drop in 50'; 30 sockeye observed in pools here. No barrier.

#3

Small downslope movement

Log

Gravel bar

Log jam, 3' falls.

#2

Large log jam, no barrier

Island divides stream

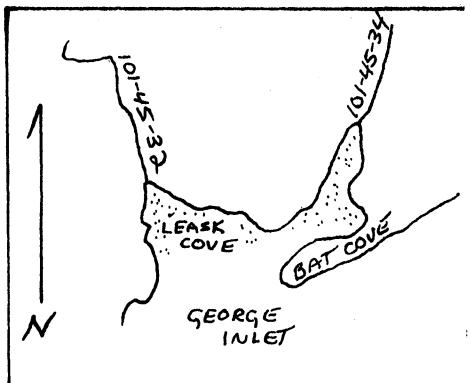
Game trail

Tributary #1 3' wide

Leaning tree #1

Grass flats

I.T. pure rock, no mud flats



Name Leask Creek
Catalog No. 101-45-32
Latitude N 55° 30' 35"
WR No. 89
Longitude W 131° 30' 54"
K No. 95
Geodetic Map No. Ketchikan C-5
Work Area Ketchikan
Location NW head of George Inlet
Watershed Length 3.5 miles
Drainage Area of Watershed
Water Supply Type Lakes located 2.3 miles upstream.

Trails & Survey Routes Easy walking - game trail intermittent, walking okay along streambed.

Aerial Survey Notes Good aerial visibility chances along upper length surveyed.

Anchorage North shore of cove offers fair anchorage; 10-15 fathoms; sand and gravel bottom.

Tide Stage When Surveyed 1st half of flood.

FISHERY RESOURCES

Commercial Fisheries Pink, sockeye

Escapement 1940 - 2000 pink; '41 - 5000 pink; '47 - 375 pink, 8 chum; '49 - 420 pink, 7 chum, '55 - 1000 red; '56 1500 pink, 1500 chum; '57 - 400 sockeye.

Spawning area: 9197 m^2 (5000'x30'x66% ASA)

Species Composition: 90% pink, 5% chum, 5% red

Timing ~~Late - September, October.~~

Schooling areas Schooling in windfall pools only; especially just above Station #3.

Shellfish Potential None - intertidal rocky.

Sport Fisheries Good steelhead/rainbow; cutthroat.

Land Use at Present None

History of Land Use None. Cabin located on north shore of cove.

Rehabilitation Potential No rehab. work required. Access for coho and sockeye only above Station #3.

Soils Generally very level and stable. Small amount of downslope movement at Station #3.

GAME RESOURCES

Bear -------	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	40
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	15
	Number of nests seen and location	0
Seals ------	Number seen at mouth of stream	0
Tide flats -	Estimate length along beach	0
	Estimate depth out from beach	0
	Eel grass present on what percent of flats	0

STREAM INVENTORY FORM

Name: Leask Creek

Number: 101-45-32

Observers: Blankenbeckler, Dinneford

Date: 7-20-73

Temperature:

Weather: Rain

Station No.	1	2	3	4												
Pool Size/Type	0	2/1	2/2	1/2												
Riffle Type Width-Depth	39'W 8"D	26'W 18"D	30'W 12"D	31'W 10"D												
Pool Riffle Frequency	3	2	2	1												
Bottom Type (Riffle)	4	4/5	4	1/4												
Color/Turbidity	2/1	2/2	2/2	2/2												
Velocity	2	2	2	2												
Flow (C.F.S.)	106															
Temp. (°F.)	51°	51°	51°	61°												
pH	5	5	5	5												
Fry Abundance	1-1 4-4 3-1 5-12	4-1 5-6	0	0												
Benthos Sample No.	1	0	0	0												
Higher Plant Class	2	2	2	2/1												
Aquatic Veg. Density Ident. (1) Mosses	3	2	2	1												
(2) Algae	2	1	1	1												

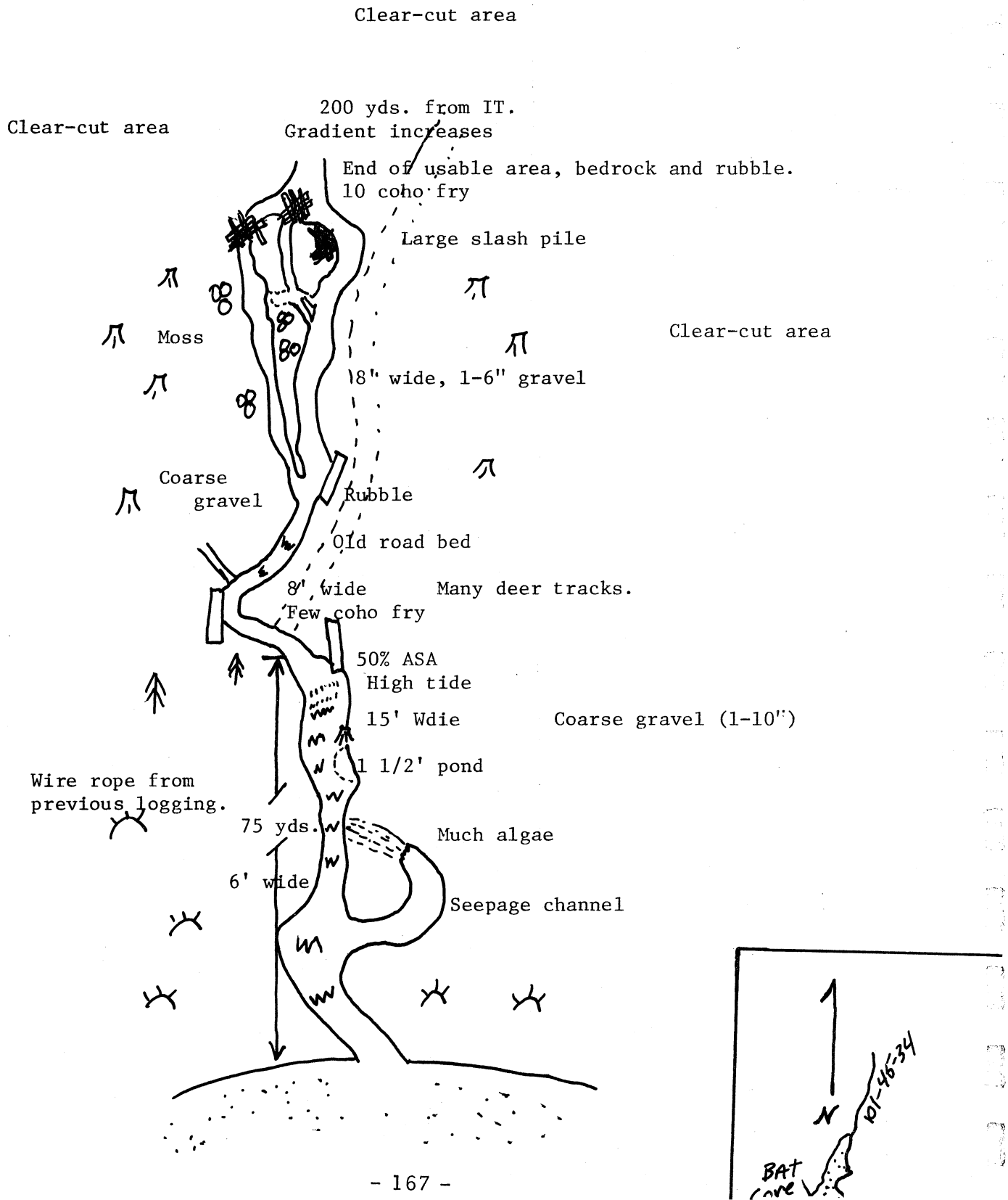
General Remarks (rehab., land use, barriers, log jams, etc.): 30 sockeye in pools above station #1

PEAK ESCAPEMENT RECORD

Leask Creek
101-45-32

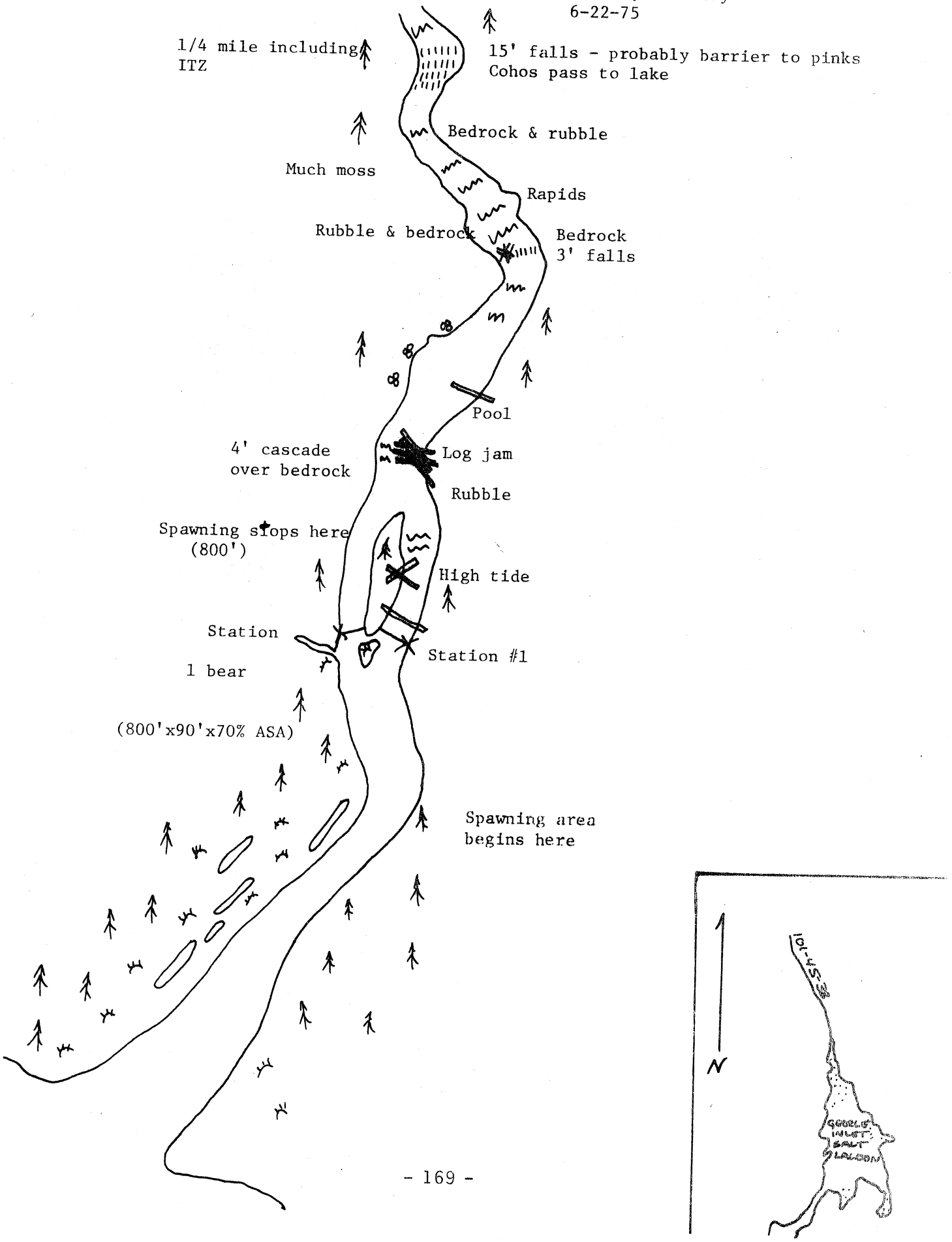
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
9-10-40	2,000			1000 fish off mouth.
9-28-41	15,000			
10-5-47	375	8		
9-16-49	417	6		
9-6-53			coho, red present.	Few fish in stream.
7-28-55			1000 red	
Season '56	1,500	1,500		Season, by stream guard.
7-5-57			400 reds.	
6-21-61				None observed.
8-26-62				30 @ mouth, 400 in bay.
8-8-63				200 @ mouth. Poor vis - good showing off mouth. N.O. I.T.
7-20-64				I.T. survey only. Vis. poor.
7-27-65				Jumps at mouth. Vis. fair.
8-10-66				500 @ mouth. Poor vis.
8-19-68				2000 @ mouth, vis good @ mouth.
8-4-69				N.O.
8-25-70				5000 @ mouth. Vis. excellent.
7-10-74				2 @ mouth. Visibility good.

LOCATION: Head of George In., 1 mile N.E. of Bay Pt. 101-45-34 R. Larson
LATITUDE: 55° 30' 49"
LONGITUDE: 131° 29' 04"
WATERSHED: length 1 mile, area 1 sq. mile, source - runoff.
STREAM DATA: pH 7.5, 54°F., 5 cfs.,
WEATHER: 61°F.
SPAWNING/ REARING: 82 m^2 (225'x6'x 65% ASA)



SALT CREEK, ITZ.

101-45-38
Salt Chuck
Larson, Jackinsky
6-22-75



Name: Salt Creek
Latitude: 55 32 20
Longitude: 133 27 10
Geodetic Map No: Ketchikan C-5
Location: Head of Salt Lagoon includes all tributaries and lake system.

Catalog No: 101-45-38
Former Stream No: K96, Previous No. 90

Work Area: Ketchikan
Watershed Length: 7 miles
Drainage Area: 15 sq. miles
Water Supply Type: 2 lakes, small ponds, muskeg, runoff

Trails & Survey Routes: Intertidal portion easily surveyed by skiff. Falls .2 miles above top of intertidal area. Virtually all spawning intertidal for pinks.

Aerial Survey Notes: Visibility in intertidal portion good.

Anchorage: Bat Cove George Inlet, run with skiff through rapids to salt lagoon.

Tide Stage when Surveyed: 1/2 flood

RESOURCES

COMMERCIAL FISHERIES (species, escapement, timing, spawning area): Pink, chum, coho. Timing - Late (Sept.-Oct.)
Spawning area 4682 m^2 (800'x90'x70% ASA). Spawning limited to intertidal portion. Limited rearing available

Schooling Areas: In salt lagoon off mouth.

Spawning Areas: Clean gravel riffles in mid and upper portions of intertidal portion.

SHELLFISH POTENTIAL: Dungeness crabs off mouth.

SPORT FISHERIES: Cutthroat trout in lake, good coho at mouth and in lake at times.

LAND USE (history, present, proposed): Areas of hillside adjacent to salt check clear cut.

REHABILITATION POTENTIAL: None

SOILS: Appeared stable

GAME RESOURCES (species, use, habitat): Bear tracks and scats noted. Waterfowl nesting area.

STREAM INVENTORY FORM

Name: Salt Chuck

Number: 101-45-38

Observers: Larson, Jackinsky

Date: 6-16-76

Temperature: 66°F

Weather: Fair

Station No.	1	2														
Pool Size/Type	3/2	3/2														
Riffle Type Width-Depth	82'W 1'D	52'W 1'D														
Pool Riffle Frequency	3	3														
Bottom Type (Riffle)	4	4														
Color/Turbidity	2/1	2/1														
Velocity	2	2														
Flow (C.F.S.)	99	87 (186 total)														
Temp. (°F.)	45°	45°														
pH	7.5	7.5														
Fry Abundance																
Benthos Sample No.																
Higher Plant Class	1	1														
Aquatic Veg. Density Ident. (1) Mosses	1	1														
(2) Algae	2	2														

General Remarks (rehab., land use, barriers, log jams, etc.): 1. Right side of Island
2. Left side of Island

PEAK ESCAPEMENT RECORD

Salt Chuck Creek
101-45-38

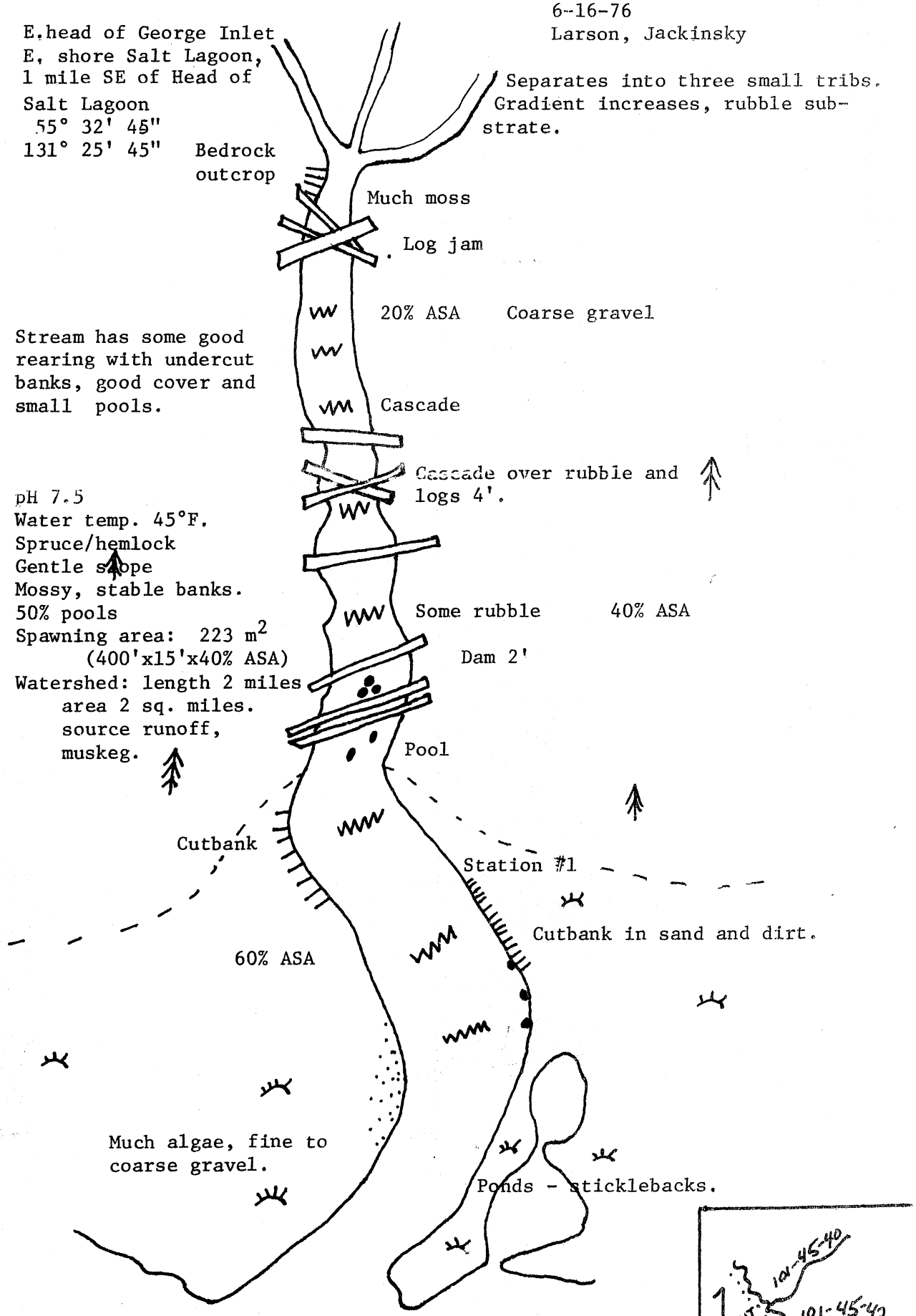
DATE	PINK	CHUM	OTHER SPECIES	REMARKS
7-7-48	75			
8-30-49				None observed.
7-24-55	400		100 coho	
8-26-62	3,000			300 @ mouth. Good visibility.
8-13-63	6,500			Vis. fair to poor. 2-3000 at mouth, present I.T.
8-30-64	4,000			
7-27-65			100 coho	Visibility good.
8-5-66				1300 - 5 balls at mouth. 100 @ I.T. Visiblity good.
8-14-67				Good visibility.
8-19-68	present			1000 I.T. Poor vis. in stream, due to shade.
8-4-69				3 schools (250) at mouth.
8-25-70	600			Visibility good.
8-4-71				None observed. Vis. poor. Many jumps at mouth.
8-16-72	1,500			Many dead.
8-17-73	7,900			Visibility fair.
8-28-74	2,900			100 @ mouth.
8-2-75	few 100			Visibility poor.

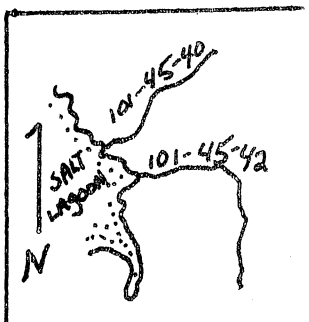
101-45-40, from ITZ.

101-45-40
6-16-76
Larson, Jackinsky

LOCATION: E.head of George Inlet
E. shore Salt Lagoon,
1 mile SE of Head of
Salt Lagoon

LATITUDE: 55° 32' 45"
LONGITUDE: 131° 25' 45"





STREAM INVENTORY FORM

Name: _____

Number: 101-45-40

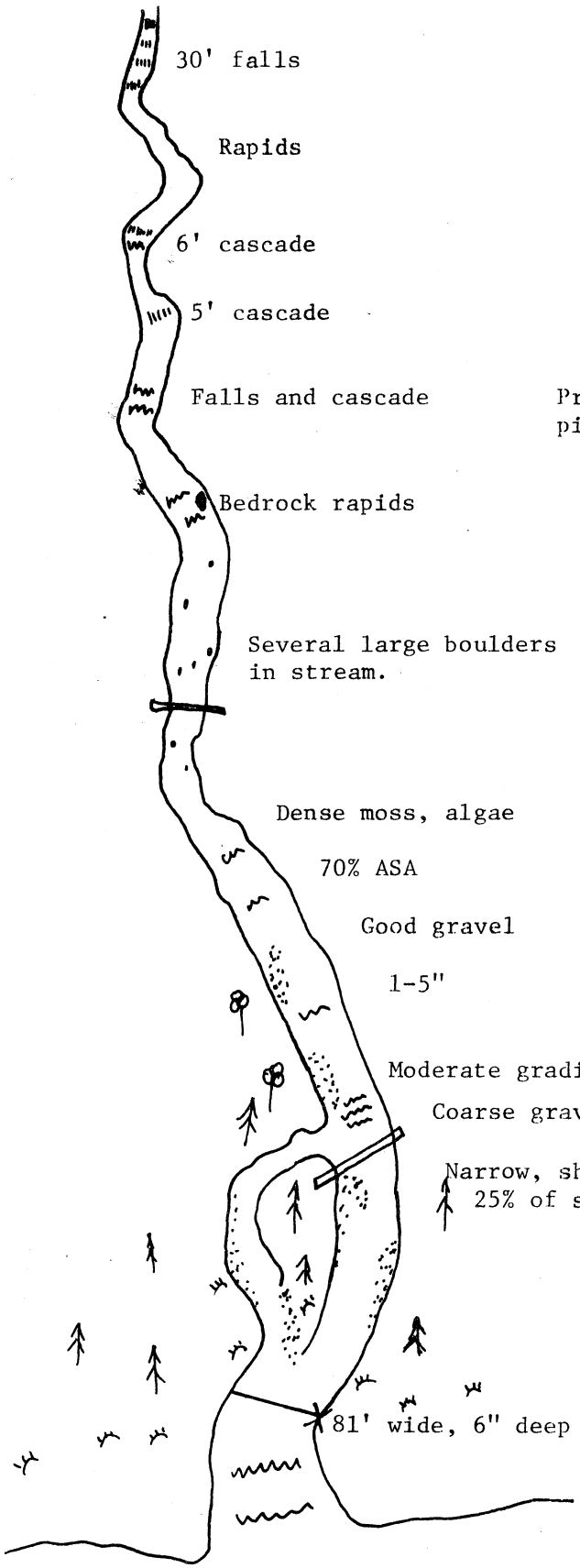
Observers: Larson, Jackinsky
Date: 6-16-76
Temperature: 65°F
Weather: Fair

Station No.	1															
Pool Size/Type	2/2															
Riffle Type Width-Depth	25'W .4'D															
Pool Riffle Frequency	3															
Bottom Type (Riffle)	4 (coarse)															
Color/Turbidity	2/1															
Velocity	2															
Flow (C.F.S.)	10(est.)															
Temp. (°F.)	43°															
pH	7.5															
Fry Abundance																
Benthos Sample No.																
Higher Plant Class	1															
Aquatic Veg. Density Ident. (1) Mosses (2) Algae	1 2															

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

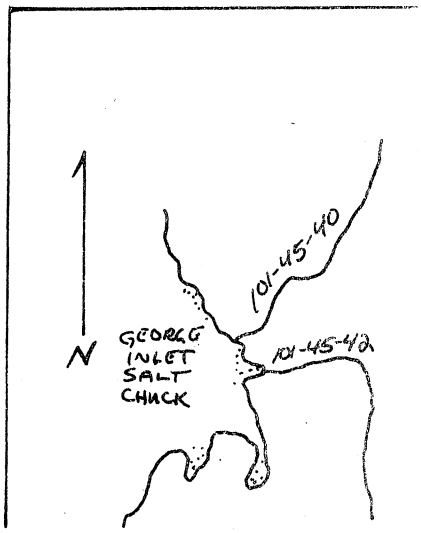
101-45-42

101-45-42
Larson, Jackinsky
6-22-76



Probable upper limit of use by pinks and chums, coho may pass.

LOCATION:	E. side George Inlet salt chuck, 1 mile from head.
LATITUDE:	55 31 36
LONGITUDE:	131 2618
WATERSHED:	Length 4.2 miles, area 2.5 sq. miles, muskeg, runoff
SPAWNING:	6867 m^2 (2640'x40'x70% ASA)
STREAM:	Light brown water, flow 77 cfs, temp. 50°F, pH 7.5



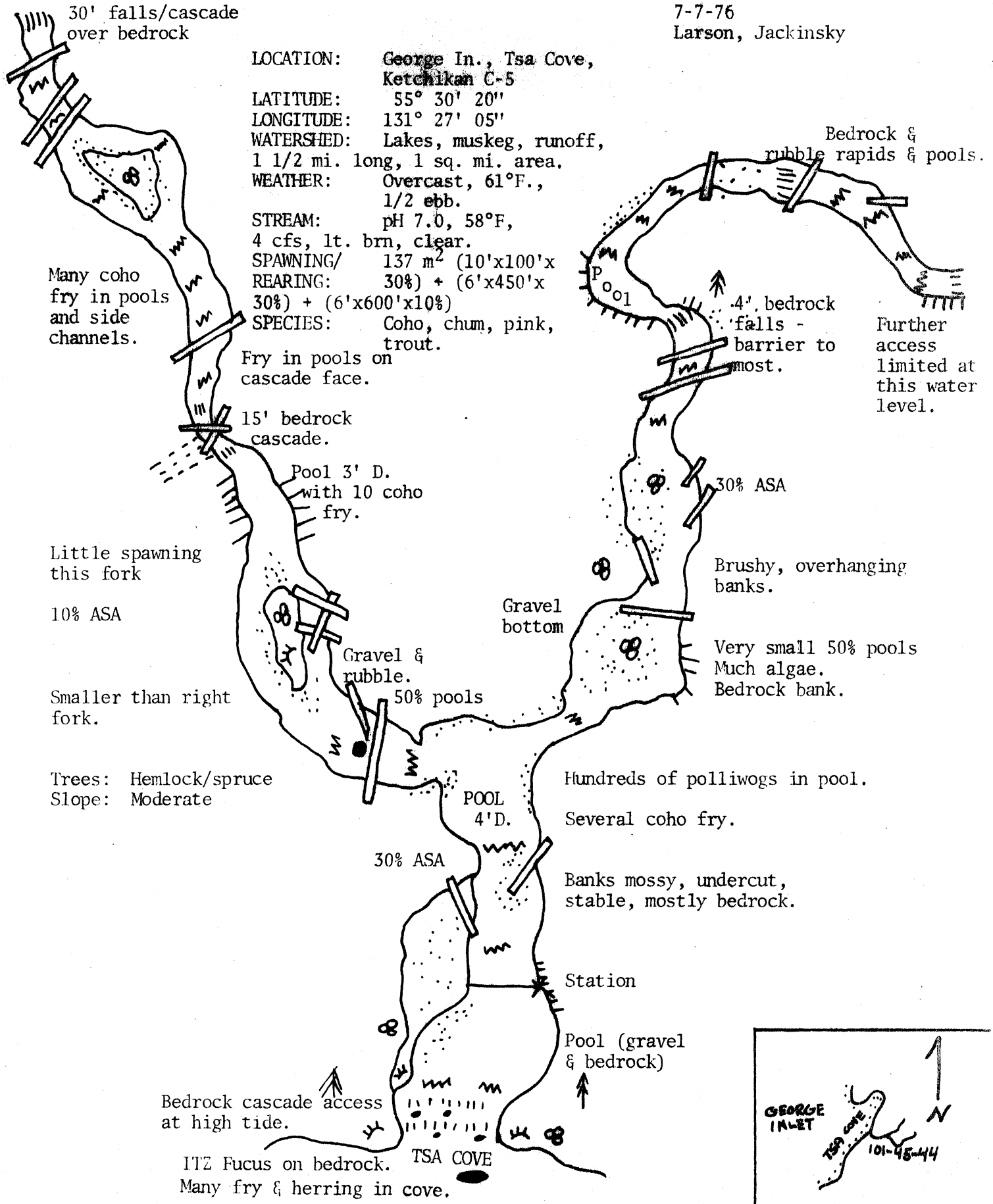
PEAK ESCAPEMENT RECORD

101-45-42

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
8-3-63	600	100		Chums spawning, pinks schooled. None observed I.T.

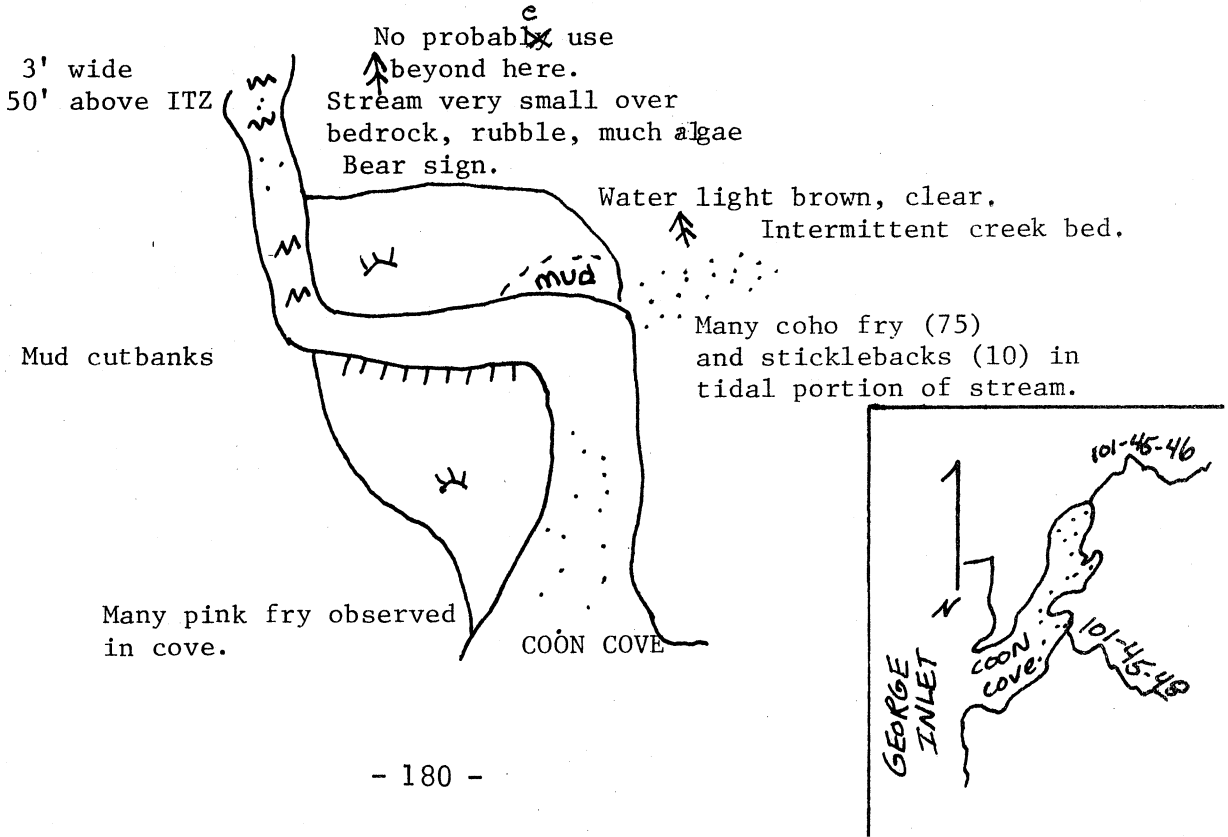
101-45-44
7-7-76
Larson, Jackinsky

LOCATION: George In., Tsa Cove, Ketchikan C-5
LATITUDE: 55° 30' 20"
LONGITUDE: 131° 27' 05"
WATERSHED: Lakes, muskeg, runoff, 1 1/2 mi. long, 1 sq. mi. area.
WEATHER: Overcast, 61°F., 1/2 ebb.
STREAM: pH 7.0, 58°F, 4 cfs, lt. brn, clear.
SPAWNING/ REARING: 137 m^2 (10'x100'x 30%) + (6'x450'x 30%) + (6'x600'x10%)
SPECIES: Coho, chum, pink, trout.



101-45-46
Larson, Jackinsky
7-7-76

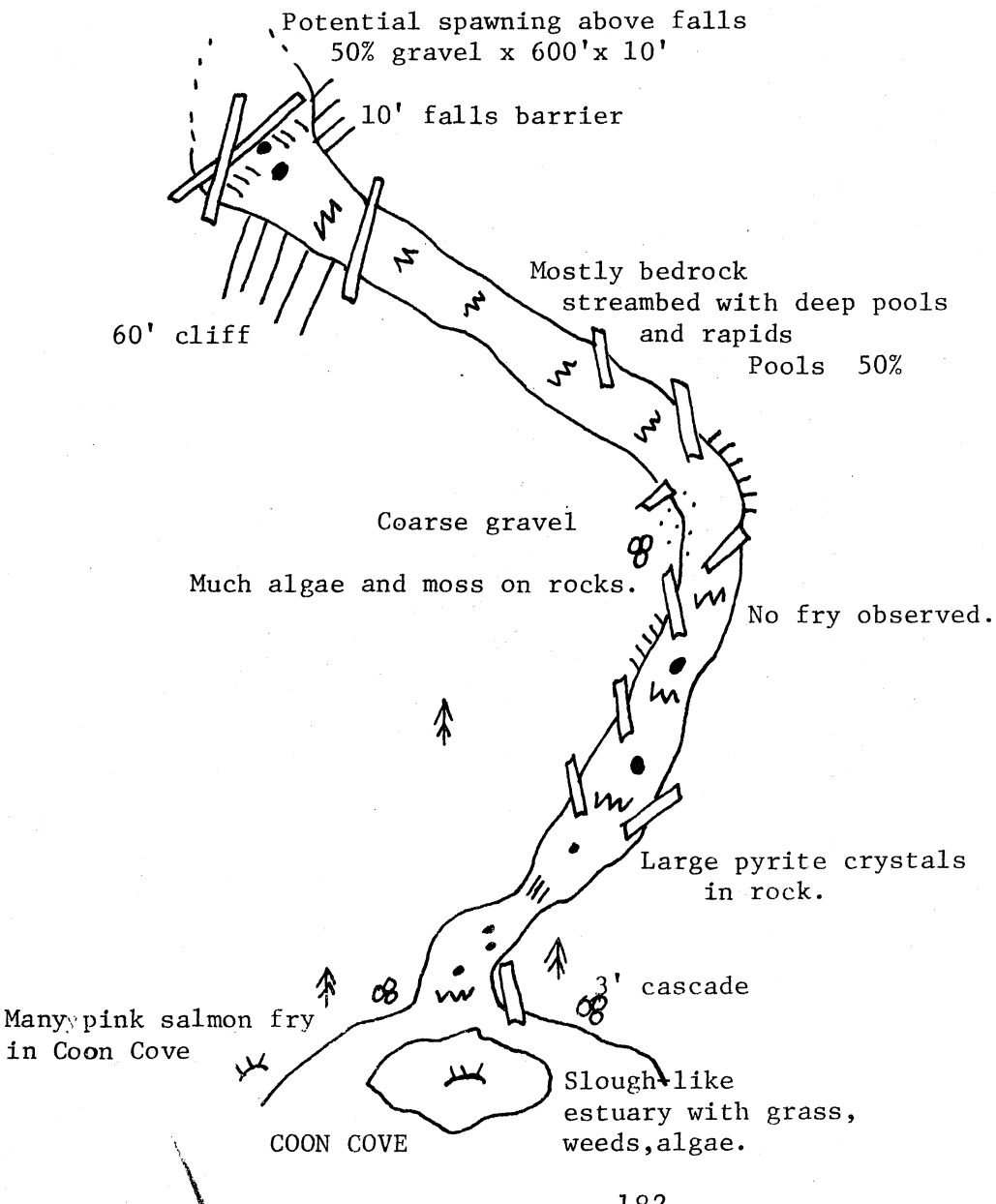
LOCATION: Hd. Coon Cove, George Inlet
LATITUDE: 55 18 00
LONGITUDE: 131 27 56
SPAWNING: Spawning intertidal approx. 10 m^2
REARING: Limited.
WEATHER: Fair 60°
SLOPE: Moderate
TREES: Hemlock, spruce

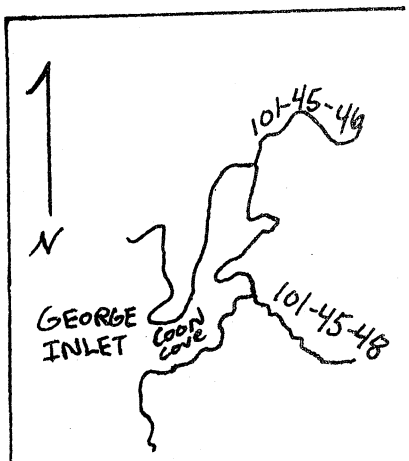


101-45-48, upper ITZ, June 1976

101-45-48, falls, June 1976

LOCATION:	George Inlet, Coon Cove, S. side, .6 mile inside.	101-45-48 Larson, Jackinsky 7-7-76
LATITUDE:	55 27 29	
LONGITUDE:	131 28 46	
TREES:	Hemlock/spruce	
WATER	47°, Lt. Brown, clear; pH 7.5; velocity rapid to torrential. About 20 cfs.	
SLOPE:	Moderate	
BANKS:	Stable, mossy, mostly bedrock.	
SPAWNING:	Approx. 15 m^2	
REARING:	Limited	
TIDE STAGE:	High at time of survey.	
WEATHER:	High broken clouds, 60°	

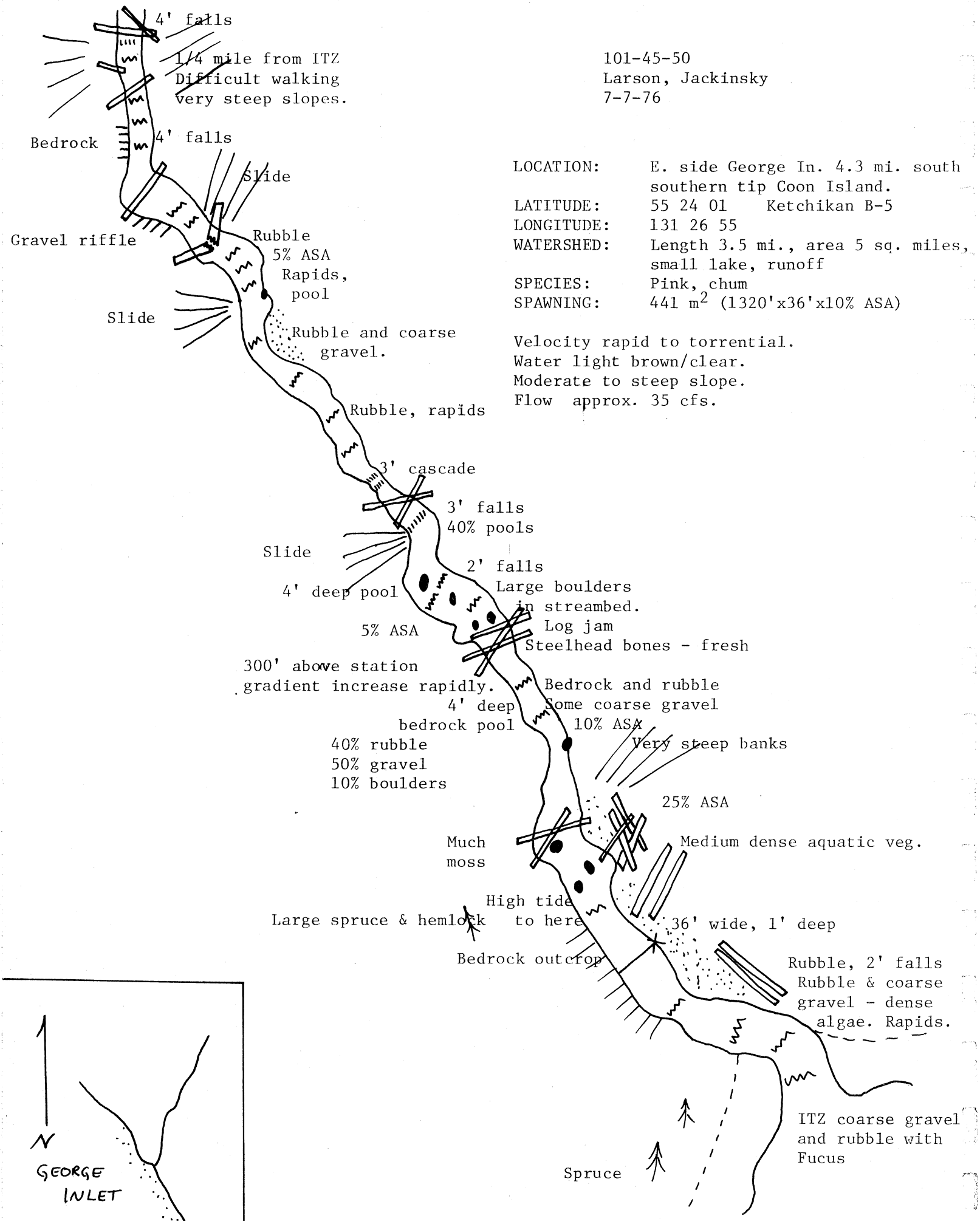




101-45-50
Larson, Jackinsky
7-7-76

LOCATION: E. side George In. 4.3 mi. south southern tip Coon Island.
LATITUDE: 55 24 01 Ketchikan B-5
LONGITUDE: 131 26 55
WATERSHED: Length 3.5 mi., area 5 sq. miles, small lake, runoff
SPECIES: Pink, chum
SPAWNING: 441 m^2 (1320'x36'x10% ASA)

Velocity rapid to torrential.
Water light brown/clear.
Moderate to steep slope.
Flow approx. 35 cfs.



Carroll Inlet
101-45-59
8-24-73
Dinneford, Joyner

Survey Distance

5/8 mile

Barrier log jam above station #3

Much braiding of channel, unstable conditions

Banks begin to level

3 4' falls

Barrier for pinks (?)

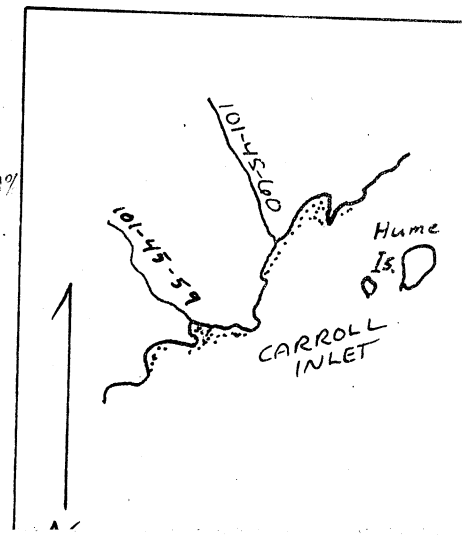
Station #2

Gentle bedrock cascade for 150 feet

Excellent gravel 80%

Station #1

H.T. line



Name

Catalog No. 101-45-59

Latitude N 55° 23' 42"

WR No.

Longitude W 131° 22' 42"

K No.

Geodetic Map No. Ketchikan B-5

Work Area Ketchikan

Location Carroll In., SW Hume Is. 1 mile

Watershed Length 2.5 miles

Drainage Area of Watershed

Water Supply Type Precipitation, springs

Trails & Survey Routes Easy walking along stream.

Aerial Survey Notes Fair visibility, but trees are growing to bank along most of length.

Anchorage Poor anchorage, sandy cove open to south.

Tide Stage When Surveyed 2nd half of ebb.

FISHERY RESOURCES

Commercial Fisheries 75 pinks seen on 8-24-73; some spawning. Coho fry taken in traps.

Escapement No record. Spawning area = 3450 m^2 (3300'x15'x75% ASA)

Species Composition Unknown

Timing Middle - August, September.

Schooling areas Small pools above ITZ

Shellfish Potential Extensive mussel bed, a few steamer clam shells observed. Some eel grass in low ITZ

Sport Fisheries Cutthroat fry observed.

Land Use at Present None

History of Land Use Logging took place north of the stream 5-10 year ago.

Rehabilitation Potential Log removal downstream would make upstream stretches more accessible.

Soils Quite stable. Many small patches of downslope movement noticed along stream length.

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	1/8 mile
	Estimate depth out from beach	40 feet
	Eel grass present on what percent of flats	15%