

State of Alaska
 Department of Fish and Game
 Nomination for Waters
 Important to Anadromous Species

1985
 Year of Revision
 85-343

Approved ⁺ 8

Name of Waterway Italia River

AWC# of Waterway 182-50-10100

AWC Volume & Number Southeast 4/19/84

USGS Quad YaKutat 13-3 8B-4.2

Addition Deletion Correction Change

Change to Atlas Catalog Both

Richard Reed 3/4/85
 Regional Supervisor Date
 OK SPS 10/1/85
 Drafted

Species	Date(s) Observed	Spawning	Rearing	Migration
King Salmon	6/23/84		✓	
[Add KS to species list]				

Comments: Provide any clarifying information, including number of fish observed, location of fish survey data, etc.

2 minnow traps set for 45 minutes each. 2 King salmon, 14 coho salmon, 3 Dolly Varden charr.
 F3 channel type: mountain water source, broad meandering foreland channel. # 54 on map

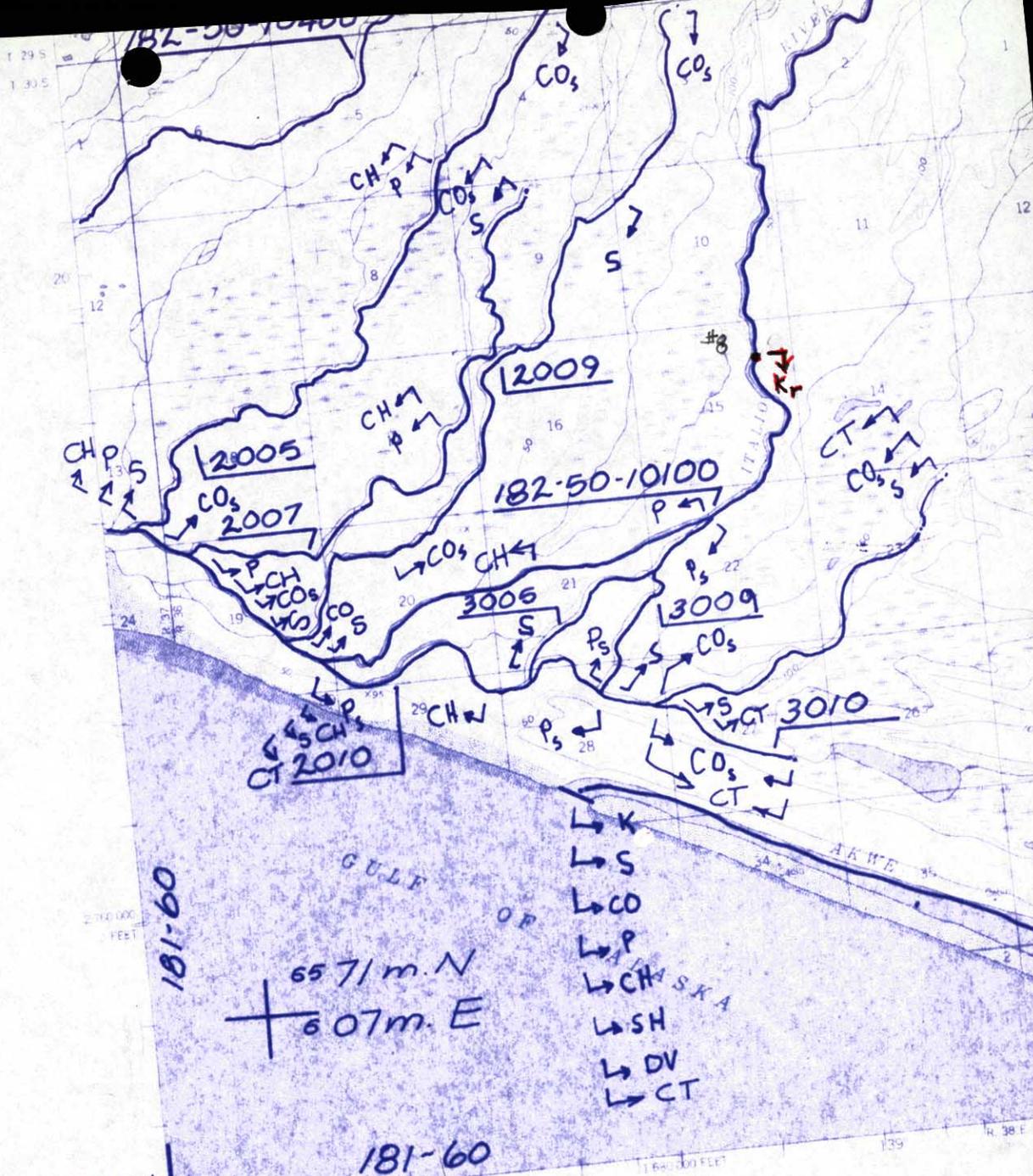
Attach a copy of a map showing location of mouth and upper points of each species, specific stream reaches identified for spawning or rearing, locations of barriers, such as falls. Attach a copy of the fish survey data, if available.

Name of Observer (please print) Charles M. Holstine
 Date: 2/26/85 Signature: Charles M. Holstine
 Address: 204 Sigina Ka Way
Sitka, AK 99835

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59°15'
139°07'30"

Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1960; field annotated 1959. Map not field checked.
Selected hydrographic data compiled from USC&GS Chart 8402 (1:300,000 Scale 1958) and from aerial photographs. This information is not intended for navigational purposes.
Universal Transverse Mercator projection, 1927 North American datum
10,000-foot grid based on Alaska coordinate system, zone 1
1000 meter Universal Transverse Mercator grid ticks, zone 1, shown in blue

Land lines represent unsurveyed and unmarked locations predetermined by the Bureau of Land Management Folio B, Copper River Meridian
Swamps as portrayed indicate only the wetter areas, usually of low relief, as interpreted from aerial photographs



MAP NO.

S. Sockeye Salmon

LEGEND

COMP. DRC



United States
Department of
Agriculture

Forest
Service

Region 10

Tongass National Forest
Chatham Area
204 Siginaka Way
Sitka, Alaska 99835

Reply To: 2630

Date: February 26, 1985

Ms. Janet Hall, Area Habitat Biologist
Alaska Department of Fish and Game
Southeast Regional Office
P.O. Box 20
Douglas, AK 99824-0020

Dear Ms. Hall:

Charlie Holstine and Bill Lorenz of my staff have prepared a series of forms to facilitate additions to the Stream Atlas for Yakutat. All of these streams contained small populations of rearing King salmon that apparently were unnoted in the past. Enclosed are the subject forms as well as a copy of the original report generated as a result of the sampling trip. We regret that we were unable to get this information to you in a more timely manner.

If you have any questions, please contact Charlie Holstine.

Cynthia S. Cornell

for JERE CHRISTNER
Fish, Wildlife and
Watershed Staff Officer

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HABITAT
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Enclosures

cc:
JRD w/enclosures

022685 0823 FWW 2630 CH

HABITAT
RECEIVED

MAR 1 1985

REGION I
JUNEAU

NOTE: THESE ARE VERIFICATION OF KS
IN EXISTING DESIGNATED SECTIONS -
PLEASE ADD FOR 1986 UPDATE

Z. Reed



Fish Sampling in the Yakutat Forelands
June 1984
USDA Forest Service
Chatham Area, Tongass National Forest

Introduction.

This is a preliminary report displaying fish sampling results from the Yakutat forelands area. A final report will be completed that will incorporate fisheries habitat and hydrologic data also collected in June 1984. No discussion of results is included at this time.

The purpose of fish sampling in the forelands was to identify fish species occurring in defined IRI (integrated resource inventory) channel types. There was no attempt to define population numbers by statistical sampling methods. Rather, it was felt that the field crews could use fish sampling in conjunction with habitat mapping to determine approximate fish densities in forelands channel types. The data would then be used to rank channel types by approximate fish density and by occurrence of valuable anadromous species.

The overall objective of this report is to display the results of fish sampling. Hence, the format of this report is truncated and contains only the methodology and data tables.

Methods.

The IRI sampling methods are defined in other publications and reports. Briefly, channel types are premapped on aerial photographs according to defined criteria. Three hundred meter representative sample reaches are chosen in channel types for ground verification. Within the 300M reach a 30M fish habitat sample site is selected either by random selection or by purposely selecting a representative site. A scale fish habitat map is drawn following the procedures of Oswood and Barber (1982) for the 30M site.

For the Yakutat forelands inventory it was decided to place a minimum of two minnow traps somewhere within the 300M site for 45 minutes while the habitat map was being constructed. Each trap was baited with boraxed salmon roe. Trapping sites were chosen where debris, undercut banks or riparian vegetation provided cover or where large concentrations of fish were observed. Trapped fish were identified, counted and released. A photo record was made of either the trapping site or of the sample reach. Occasionally, water temperature, specific conductivity and/or ph were taken in the vicinity of the trapping site.

Results.

All trapping results are shown in the accompanying tables. Numeric values are the average catch per trap for two traps unless otherwise noted. Juvenile king salmon identified in the field may have occasionally been coho salmon juveniles. However, king salmon field identification was checked against identification keys in-office to confirm identification. It is felt that this species was correctly identified the majority of the time.

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MAR - 6 1985

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Table 1. General Trap Results.

Site #	Location	Average salmonids per trap	Comments
1	Slough Creek E.	not trapped	
2	Slough Creek E.	not trapped	
3	Slough Creek W.	not trapped	
4	Emile Creek	2.0	
5	Split Creek	1.0	
6	Gines Creek	0.67	three traps
7	Split/Gines Creek	not trapped	
8	Gines Creek	0.25	four traps
9	Cannery Creek	0.5	one coho smolt in upper trap; kept approximately three dozen coho from entry into trap
10	Clear Creek	1.0	
11	Clear Creek	not trapped	
12	Williams Creek	not trapped	
13	Williams Creek	3.0	
14	Williams Creek	0.5	
15	Williams Creek	2.5	
16	Williams Creek	5.0	one trap
17	Williams Creek	4.0	
18	Williams Creek	1.0	
19	Tanis River	27.2	beaver pond; ph=9
20	Tanis River W.	0	numerous 0+ coho observed
21	Tanis River W.	0	numerous 0+ coho observed
22	Tanis/Ustay River	4.0	Water temperature=13 C
23	Square Lake/ Ustay River	2.5	four traps
24	Tanis/Ustay R.	2.0	beaver ponds
25	Tanis/Ustay River	18.0	
26	Square Lake N.	0	
27	Ustay River S.	2.5	
28	Ustay River N.	5.0	
29	Ustay River N.	5.0	
30	Akwe River E.	8.5	one coho observed
31	Akwe River E.	1.0	
32	Ustay River N.	0.5	
33	Ustay River N.	0	
34	Ustay River S.	12.0	Water temp.=16.5C
35	Ustay River N.	32.0	
36	Akwe River E.	3.0	numerous coho 0+
37	Akwe River E.	4.5	
38	Akwe River E.	9.5	sc=186 micromhos/cm; wt=14 C
39	Triangle Lake/ Akwe R.	1.5	
40	Akwe River	1.2	four traps; sc=75 micromhos/cm
41	Akwe River W.	5.5	sc=120 micromhos/cm;

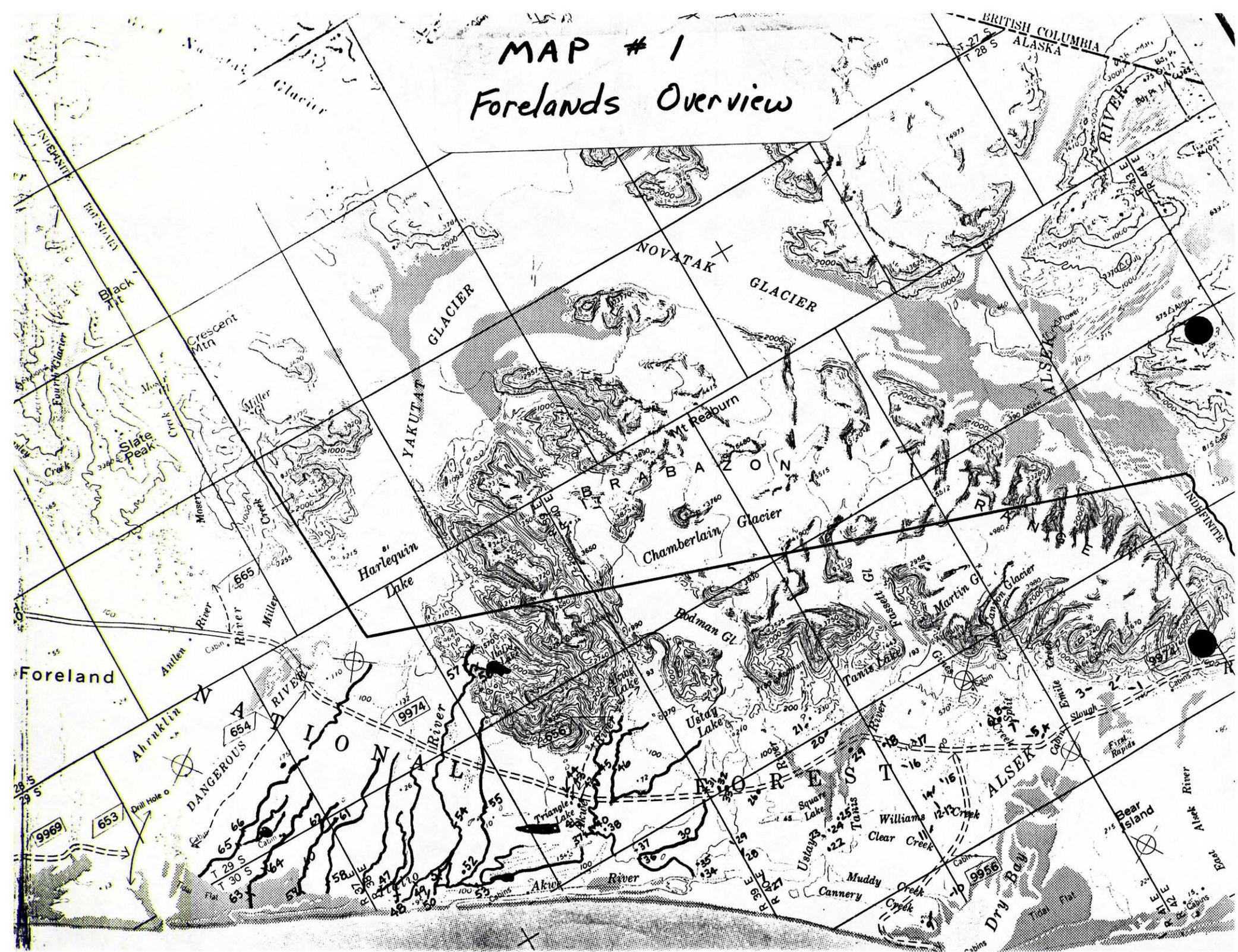
42	Akwe River W.	5.5
43	Akwe River W.	7.5
44	Akwe River W.	0.5
45	Akwe River	not trapped
46	Akwe River E.	7.5
47	Italo River N.	48.0
48	Italo River N.	18.5
49	Italo River	63.0
50	Italo River W.	21.0
51	Italo River E.	0
52	Italo River E.	0
53	Italo River E.	0
54	Italo River	9.5
55	Italo River E.	13.5
56	Italo Lake-River	8.5
57	Italo River	0
58	Italo River N.	43.5
59	Italo River W.	7.5
60	Italo River W.	52.5
61	Italo River W.	6.0
62	Italo River W.	9.0
63	Dangerous River E.	0
64	Dangerous River E.	19.0
65	Dangerous River E.	0
66	Dangerous River E.	0.5

Table 2. Fish Trapping Results - Average fish per trap set by salmonid species.

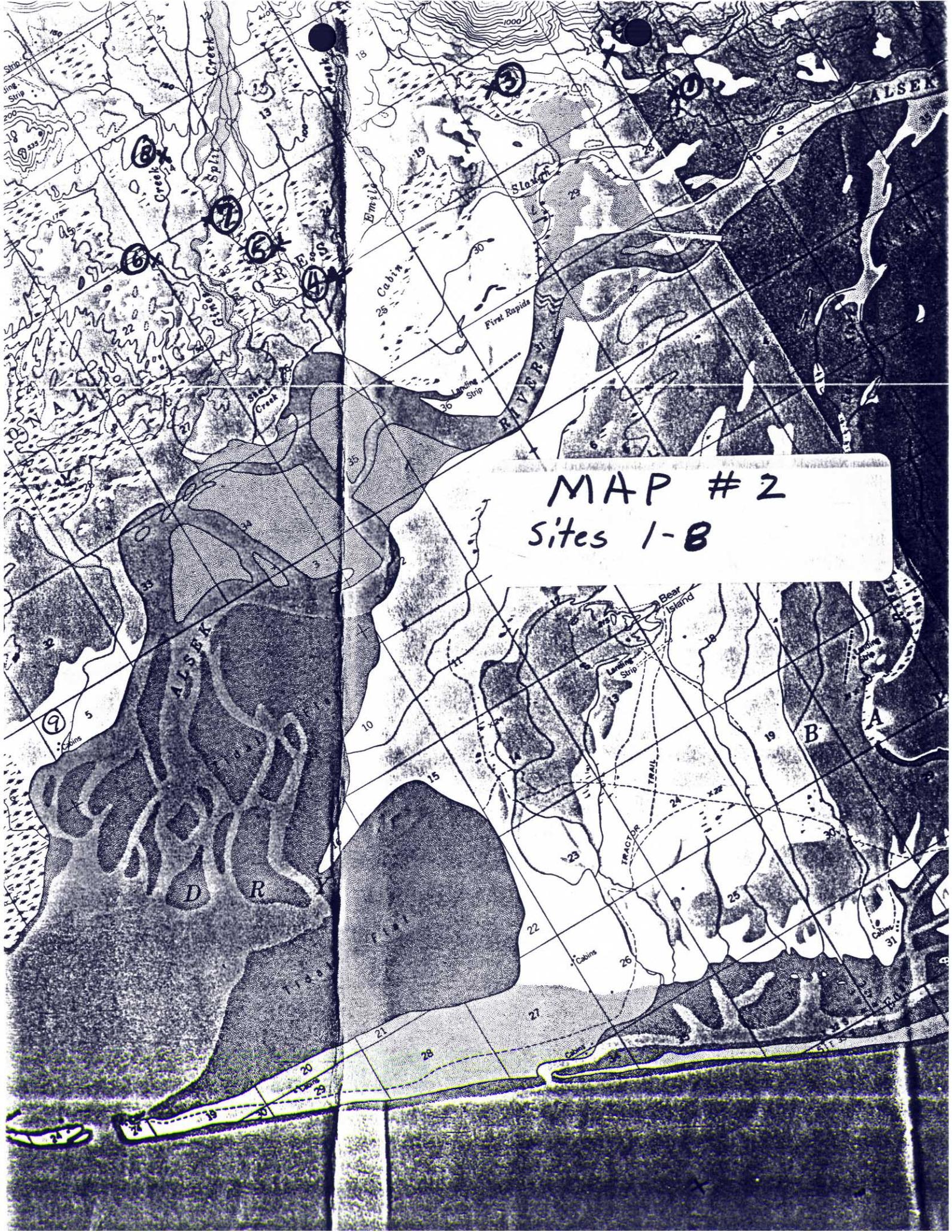
Site #	Location	SS	KS	DV	CT
1	Slough Creek E.	not trapped			
2	Slough Creek E.	not trapped			
3	Slough Creek W.	not trapped			
4	Emile Creek	2.0	0	0	0
5	Split Creek	1.0	0	0	0
6	Gines Creek	0.67	0	0	0
7	Split/Gines Creek	not trapped			
8	Gines Creek	0.25	0	0	0
9	Cannery Creek	0.5	0	0	0
10	Clear Creek	0	1.0	0	0
11	Clear Creek	not trapped			
12	Williams Creek	not trapped			
13	Williams Creek	2.0	1.0	0	0
14	Williams Creek	0.5	0	0	0
15	Williams Creek	2.0	0.5	0	0
16	Williams Creek	4.0	0	0	1.0
17	Williams Creek	2.5	0	1.0	0.5
18	Williams Creek	1.0	0	0	0
19	Tanis River	18.5	6.0	2.5	0.2
20	Tanis River W.	0	0	0	0
21	Tanis River W.	0	0	0	0
22	Tanis/Ustay River	2.5	0	1.0	0.5
23	Square Lake/ Ustay River	2.5	0	0	0
24	Tanis/Ustay River	2.0	0	0	0
25	Tanis/Ustay River	12.0	4.0	2.0	0
26	Square Lake N.	0	0	0	0
27	Ustay River S.	2.5	0	0	0
28	Ustay River N.	3.0	0	2.0	0
29	Ustay River N.	4.0	0	0	1.0
30	Akwe River E.	7.5	0	1.0	0
31	Akwe River E.	0.5	0	0	0.5
32	Ustay River N.	0.5	0	0	0
33	Ustay River N.	0	0	0	0
34	Ustay River S.	6.5	5.5	0	0
35	Ustay River N.	32.0	0	0	0
36	Akwe River E.	1.5	0	0	1.5
37	Akwe River E.	4.5	0	0	0
38	Akwe River E.	3.5	0	0.2	1.0
39	Triangle Lake/ Akwe R.	1.5	0	0	0
40	Akwe River	0.5	0.5	0.2	0
41	Akwe River W.	5.0	0	0	0.5
42	Akwe River W.	5.5	0	0	0
43	Akwe River W.	7.5	0	0	0
44	Akwe River W.	0.5	0	0	0
45	Akwe River	not trapped			
46	Akwe River E.	7.5	0	0	0

47	Italia River N.	14.5	0	33.5	0
48	Italia River N.	16.0	0	2.	0
49	Italia River	55.5	0	7.0	0.5
50	Italia River W.	19.5	0	1.5	0
51	Italia River E.	0	0	0	0
52	Italia River E.	0	0	0	0
53	Italia River E.	0	0	0	0
54	Italia River	7.0	1.0	1.5	0
55	Italia River E.	12.5	0	1.0	0
56	Italia Lake-River	8.5	0	0	0
57	Italia River	0	0	0	0
58	Italia River N.	28.0	0	14.0	1.5
59	Italia River W.	7.5	0	0	0
60	Italia River W.	52.5	0	0	0
61	Italia River W.	6.0	0	0	0
62	Italia River W.	9.0	0	0	0
63	Dangerous River E.	0	0	0	0
64	Dangerous River E.	19.0	0	0	0
65	Dangerous River E.	0	0	0	0
66	Dangerous River E.	0.5	0	0	0

MAP # 1 Forelands Overview

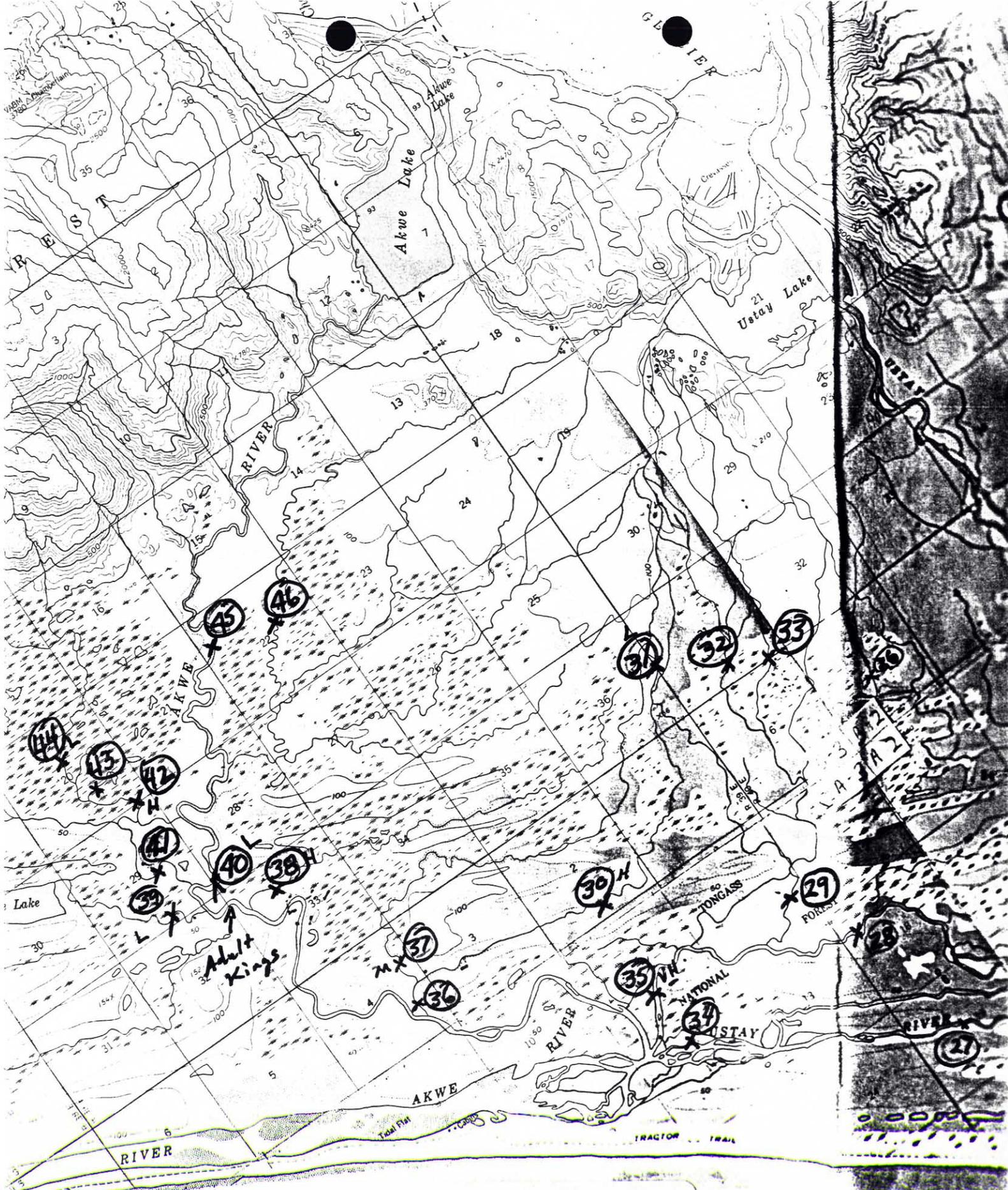


MAP # 2
Sites 1-B



MAP #3
Sites 9-28





MAP # 4
Sites 29-46

MAP # 5

Sites 47-62

