Stewart -

We added Shine Creek and are returning this backup material!

No other changes from here - They look good!

~~1985~~ 1987
Year of Revision

~~84-220~~
87-220

Approved

[illegible] Reed 11/12/85
[illegible]al Supervisor Date

F1 12/30
Drafted

ALASKA DEPT. OF FISH & GAME
DEC 20 1985
REGION II
HABITAT DIVISION

[ ] For your info [ ] Circulate
[X] Comment & return [ ] Action

Remarks: Could you please draw this on the USGS map provided and return. DONE

Thanks

FROM Stewart Seaberg DATE 10/29/86
11-47 (11/78)

		wning	Rearing	Migration
			✓	
			✓	
			✓	
PINK SALMON	Aug 23, 1985	✓		

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

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) Kristen M Munk

Date: July 12, 1985 / Nov 8, 1985 Signature: Kristen M Munk

Address: 3555-47 Mendenhall Lp Rd
Juneau, Ak 99801

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

~~1985~~ 1987
Year of Revision

~~84-220~~
87-220

Name of Waterway SHRINE CR.

AWC# of Waterway 111-50-10140

AWC Volume & Number

USGS Quad JUNEAU B3

Addition ✓ Correction
Deletion Change

Change to Atlas
Catalog
✓ Both

Approved

Richard Reed	11/12/85
Regional Supervisor	Date
FI	12/30
Drafted	

ALASKA DEPT. OF FISH & GAME
DEC 20 1985
REGION II
HABITAT DIVISION

Species	Date(s) Observed	Spawning	Rearing	Migration
COHO SALMON	July 3, 5, 8 1985		✓	
DOLLY VARDEN	July 3, 5, 8, 1985		✓	
CUTTHROAT	July 3, 5, 8, 1985		✓	
PINK SALMON	Aug 23, 1985	✓		

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

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.

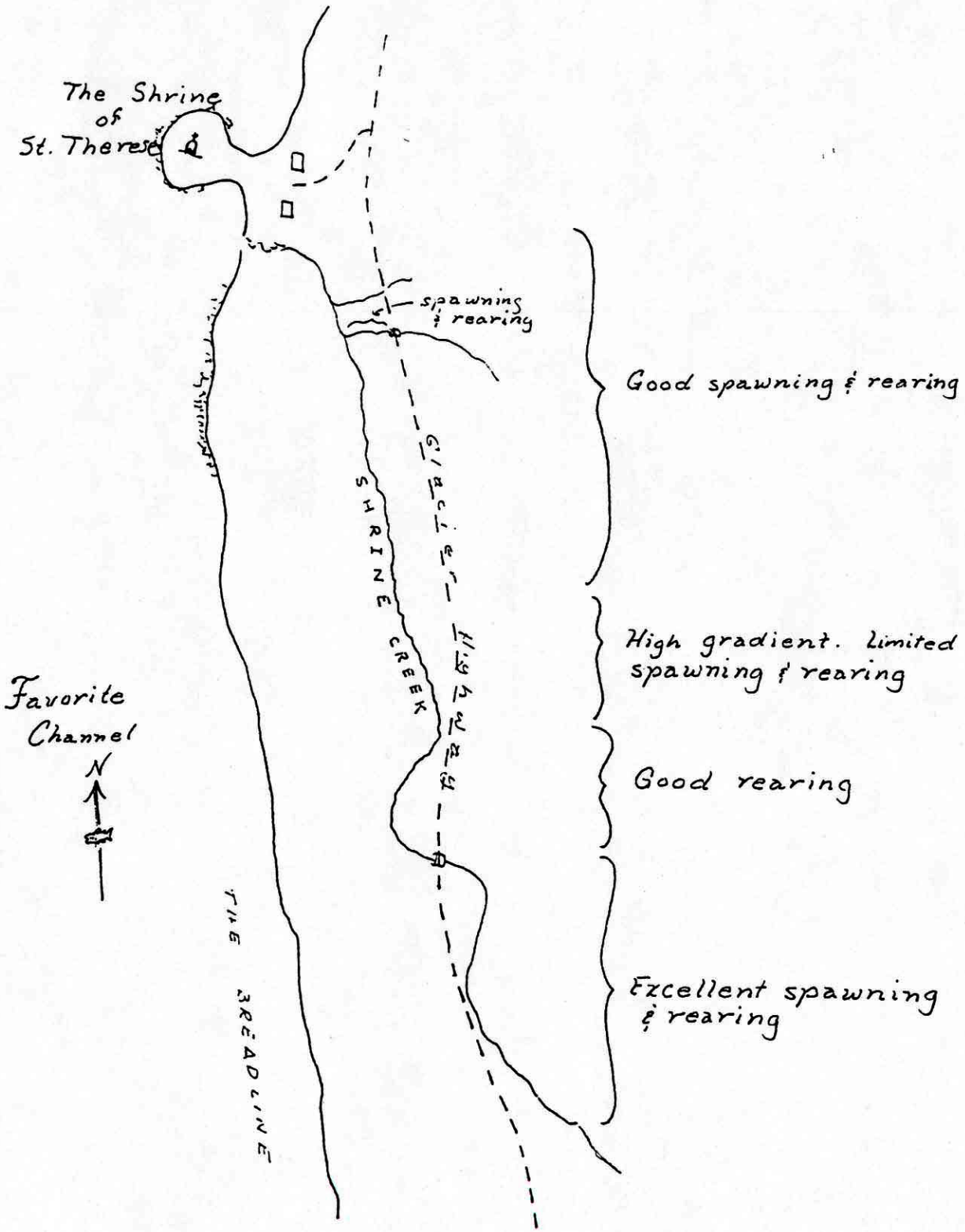
Name of Observer (please print) Kristen M Munk

Date: July 12, 1985
Nov 8, 1985

Signature: Kristen M Munk

Address: 3555-47 Mendenhall Lp Rd
Juneau, AK 99801

Figure 1. Shrine Cr. Habitat Distribution Map



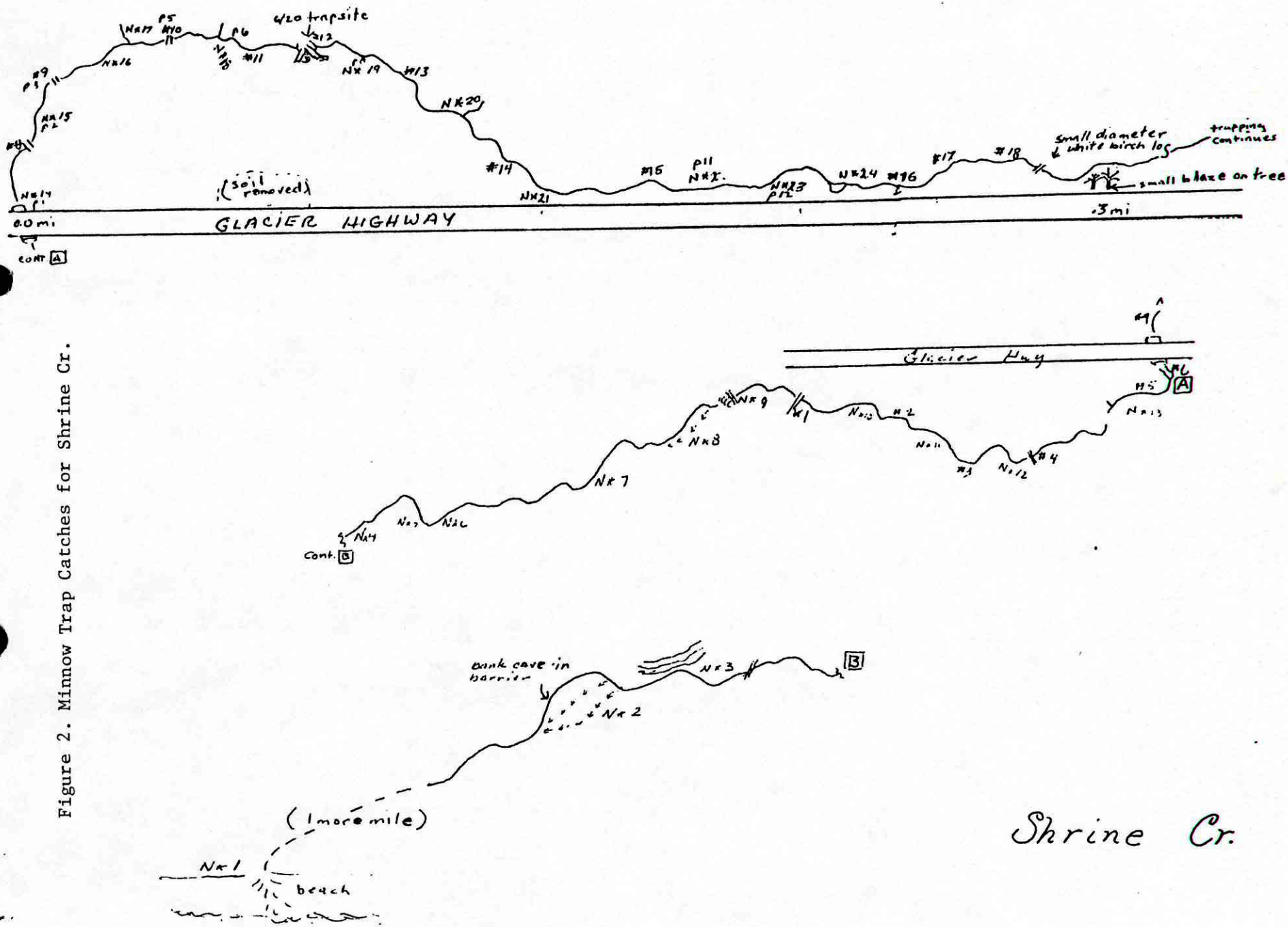


Figure 2. Minnow Trap Catches for Shrine Cr.

Table 1 Minnow Trap catches for Shrine Creek. July, 1985.

Location: Upstream to Glacier Highway.

Trap #	Coho Presmolt	Dolly Varden	Cut-trout
1	-	14	2
2	-	9	6
3	-	12	2
4	-	3	1
5	5	13	1
6	2	10	1
Total	7	61	13

Location: Glacier Highway, upstream.

Trap #	Coho Presmolt	Dolly Varden	Cut-trout
7	1	3	-
8	1	2	-
9	2	11	1
10	1	11	5
11	1	11	1
12	2	25	2
13	4	15	2
14	4	11	1
15	2	2	1
16	-	19	3
17	-	3	1
18	4	17	3
19	-	11	3
20	3	13	2
21	1	2	1
22	1	6	-
23	-	-	1
Total	27	162	27

July 3, 5, 8, 1985 Minnow Trap Investigation of "Shrine Cr".

OBSERVER: Kristen M Munk ADF&G - Sport Fish

LOCATION: The Shrine Cr identified here, as described by an earlier Fish & Game survey conducted by Reed & Armstrong, 1970, is different from the Shrine Cr as located on the map USGS Juneau B3. This USGS Shrine Cr is in fact a tributary to the larger creek identified by Fish & Game personnel.

Shrine Cr has its origins in a drainage basin east of the Glacier Hwy, just north of the N. Tee Cr drainage. It crosses under Glacier Hwy through a culvert one mile south of the Shrine of St Teresa pulloff. From here it winds for approximately 1½ mile to where it outlets immediately south of the Shrine parking lot.

OBSERVATIONS: The full length of Shrine Cr was walked and photographed. 23 minnow traps were fished, from approximately ½ mile below Glacier Hwy, to .7 mi south of the Glacier Hwy culvert.

There are no baniers to fish migration on this creek. A couple low-water-baniers may occur during drier summer months.

From the outlet to approximately one mile upstream there is mostly overlapping spawning and rearing habitat with frequent windfalls. Two tributaries enter, one being "USGS Shrine Cr".

The creek flows through a medium to old growth forest with little to moderate bank cover.

Upstream is a stretch of swifter water over large mossy rocks with poor spawning and limited rearing habitat. Rearing fish were observed.

Up to Glacier Hwy it is once again good spawning and rearing habitat. Bank cover is dense and nearly impenetrable. There is a slow muddy stretch providing good rearing habitat to 100 yds below the Glacier Hwy culvert, including a pool immediately below the culvert in which >50 coho fry were observed.

Typical habitat above Glacier Hwy is overlapping spawning and rearing. It is mostly a pool-riffle configuration with excellent bank cover and upper forest cover. Gravel ranges from pea to fist size in long submerged flats or exposed bars. Pools are 10-24+" deep, with good to excellent overhanging banks or tree-root recesses.

The creek winds back near the road, and caution is advised in highway expansion projects.

Rearing fish were observed throughout Shrine Cr. Several hundred coho fry were observed — these do not often show up in trap results due to their small size. The overall impression after walking Shrine Cr is that it is a highly productive system for its size.

JULY 8, 1985 SHRINE CR

- Partly cloudy, occasional sun. No wind.
- ROLL 22 pics 1-end (pic-end from traps, upstream) (pic-14 taken downstream, looking upstream)
- TRAPS set @ 0830 - 0945
  pulled @ 1230

- The location walked and trapped is from tidewater, upstream to Glacier Hwy. (Are reversed from field notes, so as to continue numbering, going upstream.)

Nt 1 Outlet of this creek flows over beach gravel and rock. May be some migration a low tidal levels, but high tide approaches forest.
This lower half of creek — from Glacier Hwy to tidewater — is about 1 mile long, and took nearly 3 hours to walk, thrashing brush most of the way. From tidewater to approximately halfway to the highway, there is fair to excellent spawning and rearing habitat.
Numerous (several hundred) coho fry and juveniles as well as many dolly varden and cutthroat were observed in this stretch.

July 8, 1985 SHRINE CR

N#2 Good spawning gravel area. There is good bank cover. The creek branches and reconnects. Many fish observed. The left fork, looking upstream, is the main fork however has a complete barrier due to a land cave-in. The other two branches have low-water-barriers only.

N#3 There is large spawning gravel, with rearing fish observed. There are some pools to 10" deep with large gravel bottom.

N#4 The forest is fairly open above with dense underbrush.

N#5 15' high bank on upstream right side. Water is running 2-4" deep, swift, over riffles. Fish observed.

N#6 Is an overhanging root bank. There are mostly large rocks with some gravel. Resmolt and fry occasionally seen. Water is swift over riffles. Pools are 8-10" deep.

N#7 Water is swift over melon size, mossy rocks with some smaller gravel - not choice spawning though.

N#8 Large gravel. Creek is beginning to bend towards the road. Creek is still swift over riffles. Rearing fish observed.

JULY 8, 1985 SURINE CR

N#9 Small log falls. The road is less than 75' away.

TRAP # 1 Large gravel, some smaller stuff. Ds an open small growth forest with lots of brush. There is a large log over the creek with a 14" pool under. Road is just over 100' away. There is a long riffle section above and below, with creek slowing (leveling) upstream.
DV-14 CT-2

N#10 Good overhead forest cover, open below. Lots of large gravel. Road is 175" away.

TRAP # 2 Large gravel, mossed over bars and riffle pools. Highway is nearby. Forest is thicker on the east bank. Water is 6-12" deep. Some coho fry observed. Not good view conditions due to heavy brush. Pic of fish.
DV-9 CT-6 (3-6")

N#11 Bottom is gravel, but slightly muddied over. There is a small area with minimal cover with some grass.

JULY 8, 1985 SHRINE CR

TRAP # 3 Water is very still. Some large overgrown boulders occasionally line the bank. Old alder and apple growth lines the banks with heavy undergrowth. Bottom is mostly mud with some sand and gravel. Are good overhanging banks with 10-14" deep pools.
DV-12 CT-2 (6")

N* 12 Extremely dense bank cover with forest setback 5+'. Is skunk cabbage, salmonberry, alder, and apple. Mosquitoes are thick.

TRAP # 4 Water is 10" deep under dense brush. Are mud banks, mostly mud bottom with some sand. P:9
DV-3

N*13 Is an old wooden bridge with overgrown road (15' alder and 4' spruce-hemlock). Bridge is of logs. Natural bottom (gravel). Small feeder enters below.

TRAP # 5 Just below culvert pool. Bottom is mud and sand. Brush is dense, nearly impenetrable. Forest is setback.
351'2V-5 DV-13 CT-1

July 8, 1985 Shrine Cr

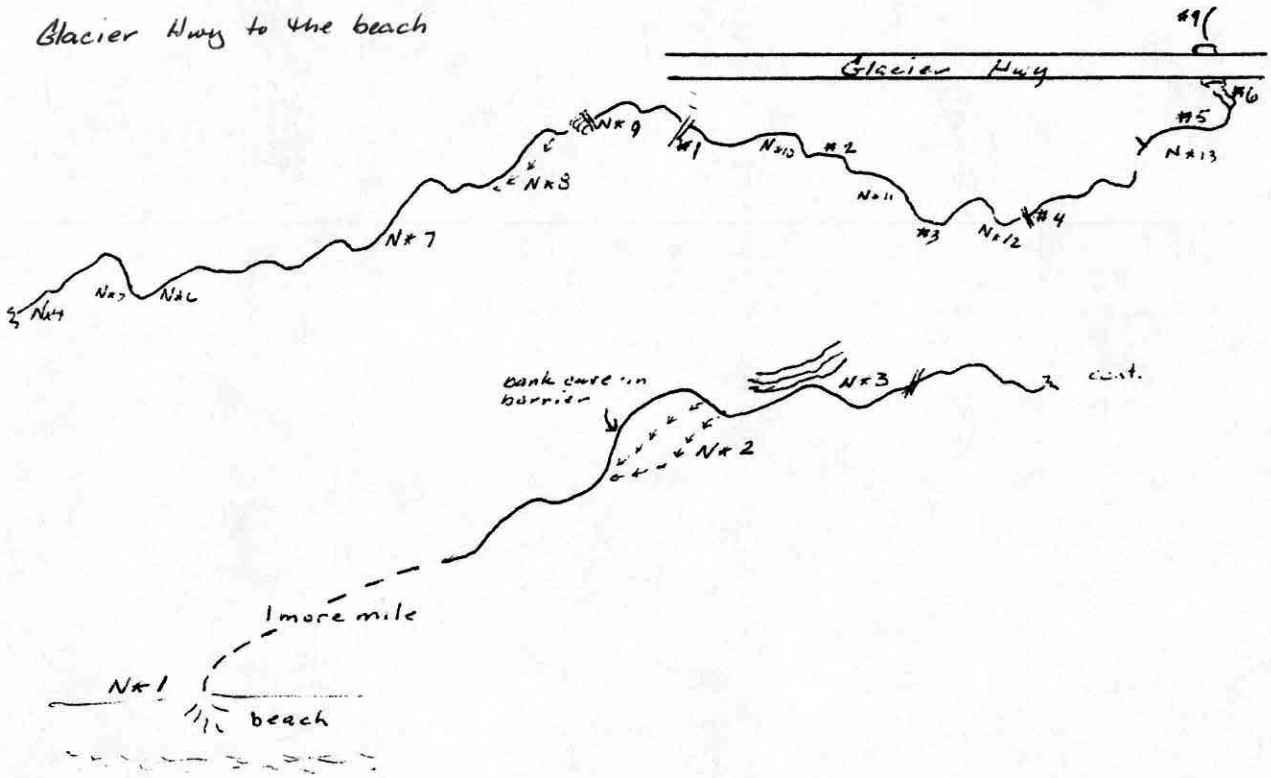
(Below two traps were actually fished July 5, however are included here to keep trap #s in sequence.)

TRAP #6 Large pool below culvert. Observed >50 coho fry. Bottom is sand & fine gravel with mud shallows.
SS2J-2 DV-10 CT-1

TRAP #7 Just above Glacier Hwy culvert. Some shallow, 6-10" pools with good bank cover.
SS2J-1 DV-3

JULY 8, 1985 SHRINE CR

Glacier Hwy to the beach



JULY 3 1985 SHRINE CR

- Heavy overcast, winds still. Rain last couple days.
- ROLL 21 pics 1-13
- Traps set @ 0900-1100
  pulled @ 1145-1245

- Location of trapping is from Glacier Hwy culvert, upstream to "white birch log over creek and small blaze on alder". This creek crosses Glacier Hwy 1.2 miles south of The Shrine pulloff, or .95 mile north of Cohen Dr.

N#14 Pic 1. Looking upstream from the culvert. Water flow into culvert rapidly for 15', then it pools up and slows. Excellent bank cover of skunk currant, salmonberry and alder trees. Bottom is small riffle-pools over small to medium-large gravel.

TRAP #8 Pool is 12" deep, 5-6' wide. There are a couple overgrown logs immediately above. Numerous trout fry hanging in the gravel/mud Bottom here is mostly sand and organic detritus, with gravel above and below.
SS2V-1 DV-2 (fish below trap)

N# 15 Sand and small gravel pool, 12" deep and 12' wide, with shallow mud bank on one side. Trout and coho fry observed.

July 3 1985 SHRINE CR

TRAP #9 18" deep pool under a large log. Current is slow. Small to medium gravel. (Pic 3) Small trickle comes in from left, however no habitat. Coho fry observed.
SS 1: 2V - 2 DV - 11 CT - 1

N #16 Are some nice deep pools under logs. There has been good upper tree cover, and excellent bank cover. Here there is a little more open high cover with a thick patch of devil's club. Pic 4

N #17 A small mud bottom feeder enters from the left, with a couple shallow sphagnum moss pools just above. There are occasional seeps from the uphill (left) side.

TRAP #10 24" deep pool w/ slow flow. Upstream end has trickle over a log into it for circulation. Mud, sand, & debris bottom. Pic 5 looks upstream from here.
SS IV - 1 DV - 11 CT - 5

N #18 Pic 6 is of excellent spawning gravel. Numerous trout and coho fry have been observed.

TRAP # 11 28" deep, under bole of tree. Bottom is of gravel and sand, and some debitus. Just upstream is trapsite of 6/30 (07). [It will follow in Trap # sequence.] Creek is opening up just a bit.

JULY 3 1985 SHRINE CR

TRAP #12 This is trap site of 6/20/1985. 20" deep pool under huge tree stump which covers large area. Overhanging tree root downstream hangs over ≥2' with deep water underneath.
SSIV - 2 DV - 25 CT - 2

N*19 P.8. Excellent spawning gravel-riffle-pools. Bank cover is thickening again. Many!! fry seen, both trout and coho.

TRAP #13 Long deep stretch with some gravel, mostly sand & detritus. Current is slow.
SS1-3J-4 DV-15 CT-2

N*20 Numerous trout fry, 30-50 coho fry observed(!) in 5' stretch (I'm sure I did not see them all...) Up around next bend are some large mossy rocks. Excellent spawning stretch below. There is a 20' wide flood area over these mossy rocks. The creek "normalizes" above, with spawning gravel, sand, mud... Small trickle of water enters above mossy rocks.

TRAP #14 Underneath a large mossy log. There is some bank cover, while medium-growth conifers provide upper cover. Good spawning gravel. Lots of small branches/limbs in creek.
SS1-3J-4 DV-11 CT-1

JULY 3 1985 SHRINE CR

N#21 Pic _ . Creek is opening up. Are ferns lining left bank. Some alder trees provide cover also. Ds good gravel and close bank cover. Creek is 30' from highway.

TRAP#15 Under wide mossy log at head of 12' long slow, deep, stretch with gravel and sand bottom. Forest growth once again with thickening bank vegetation.
SSIV-2 DV-2 CT-1 Nice pool! More fish below trap.

[Note. Traps - soaked for approx 1.5 hours only.]

N#22 Pic 11. Alder tree cover again, near road. Good gravel; there is some bank cover. Are mossy rocks and old logs and branches in/near creek. Rocks are more angular. Creek should be visible from northbound lane. Left bank increasing in elevation.

N#23 Pic 12. Mostly mud bottom; pool is fairly open, 24" deep.

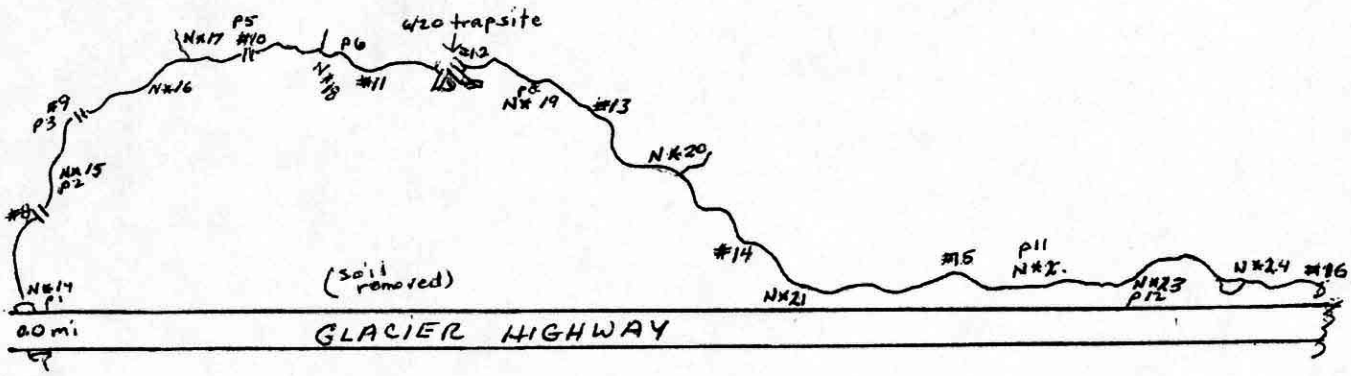
N#24 Bottom is good spawning gravel again.

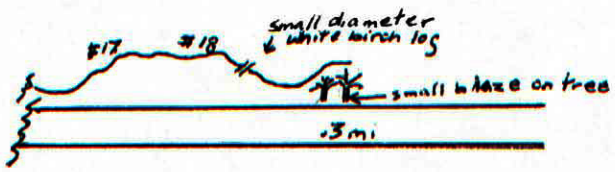
TRAP#16 Deep, with overhanging bank providing good cover. Current is very slow.
DV-19 CT-3

JULY 3, 1985 SHRINE CR

TRAP #17 28" deep hole under old stump. P13 Large school of coho fry observed (>20).
JV-3 CT-1

TRAP #18 Temp of water is 46°F. 20" deep, slow pool, under overhanging bank with salmonberry cover.
Good large spawning gravel. Upper cover from conifers.
SS1-3V-4 JV-17 CT-3





JUNE 5 1985 SUSLINE CR

- Partly cloudy. It has been sunny the last couple of days, with 0 precipitation. Creek level has dropped.
- Roll 21 pics 14-end
- TRAPS set @ 0900-1045
  pulled @ 1145

- The location trapped is from where the survey ended on July 3, upstream to just above a small meadow, at which point the creek is small.
- Two traps were set immediately above and below the Glacier Pkwy culvert. Their description and catch will be found at end of July 8 notes, in sequence with other trap numbers.

TRAP #19 24" deep hole. Excellent overhanging bank and brush cover.
DV-11 CT-3

TRAP #20 Big tree arch over the creek with a deep recess. Bottom is sand and fine gravel, with some detritus.
SSI:2V-3 DV-13 CT-2

N*25 Creek still has mature forest cover, less bank cover. There is a lot of detritus on the bottom - limb and wood bits, bark etc. Bottom is otherwise sandy with fine gravel.

July 5 1985 SHRINE CR.

N*26 Trickle flows in from left with sand and limb pieces. No appreciable fish habitat. Are good gravel bars in main creek. Pic 15 looks upstream.

TRAP#21 Tree bole overhangs the creek. Juvenile coho observed.
SSIV-1 JV-2 CT-1(6")

N*27 The creek forks. The left fork has good spawning gravel in the lower end, however gravel bars create a low-water-barrier in the first 20'—no perceptible flow at this time. Has limited rearing capability. The right fork is still flowing. It has heavy detrital layer over some gravel. Some evidence of love-nests.

N*28 Small trickle enters from left. No fish habitat.
P16 looking upstream—excellent spawning gravel.

N*29 Water is flowing through gravel bars—a low water barrier to migration... Numerous fish observed darting around in between the barrier bars, some stranded in small pools. (Barrier bars in P16)

TRAP#22 30' long, 12" deep stretch between two barrier bars. There is flow above and below. Forest upstream has dense bank growth again.

July 5, 1985 SHRINE CR

N*30 Creek forks. The left fork has appreciable flow. Lots of detritus on bottom. No fish habitat.
Right fork has good gravel. Decreasing brush cover, some devils club and skunk currant.

N*31 Creek forks again. The left fork has appreciable flow. There is some rearing habitat for 100', but no spawning gravel; substrate is mud and detritus.
Right (main) fork with lessening flow. Vegetation is jumbled. There is still occasional spawning gravel, lots of detritus - limbs are strewn about from past tree cutting. Creek is only a few feet wide.

N*32 Pic 18 Creek is flowing through a medium growth forest, occasionally disappearing under mossy vegetated bridges. Still excellent spawning gravel. Mostly shallow, 2-4" over riffle bars. Fish observed.

N*33 Pic 19 The creek is hard to follow through open, logged area at base of fill and auto dump.
It appears there may be a couple branches through here, with low water and some gravel.

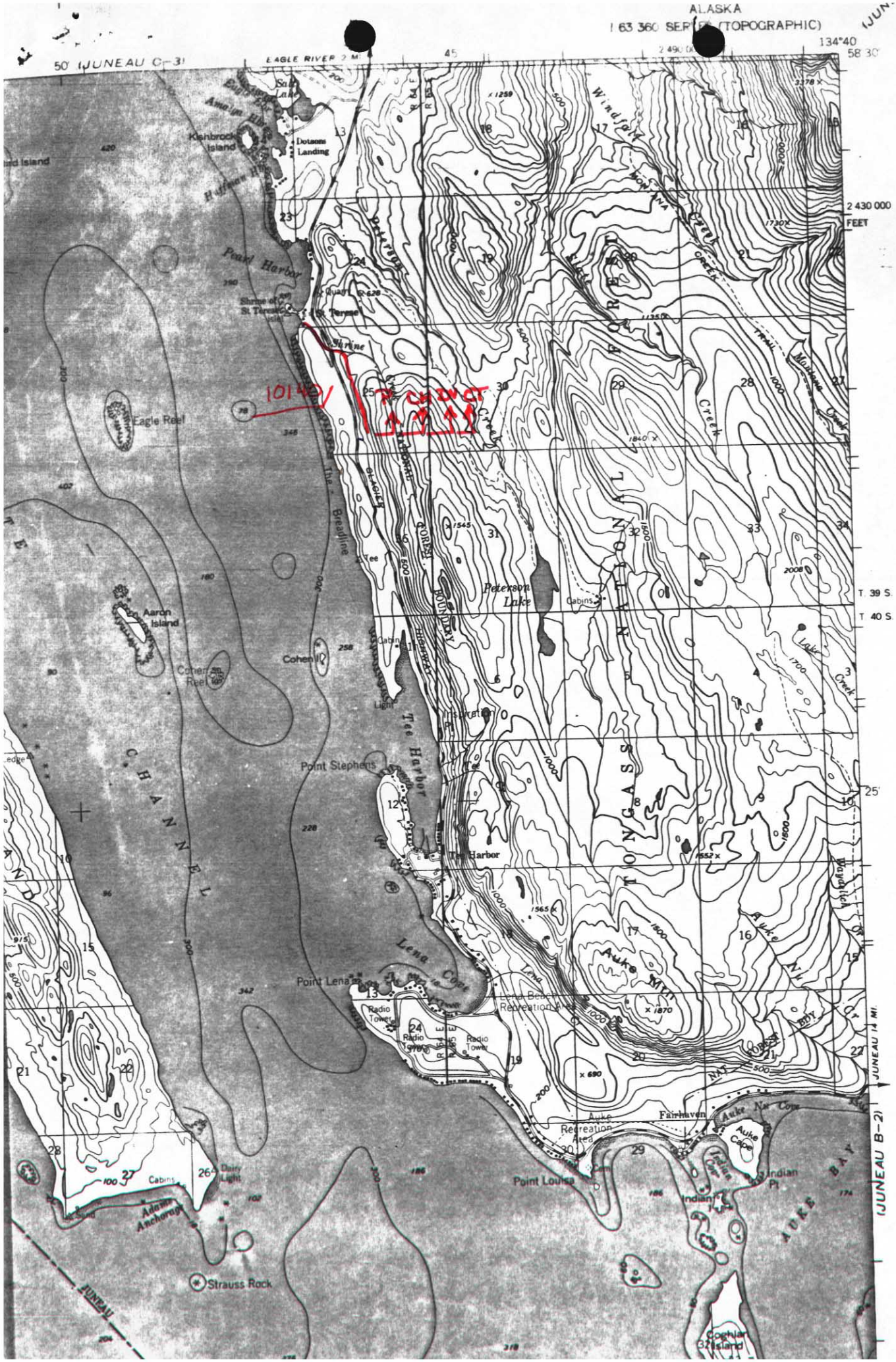
N*34 Pic 20 Creek is "whole" once again. Small grassy area on left. Creek is 2' wide with small gravel bottomed, 4-8"

July 5, 1985 SURINE CR

N*35 Pic 21 Young forest with lots of brush — alder, apple, blueberry & devil's club.

TRAP #23 Small 6" falls with water backed up 14" deep, 1' wide. Brush & meadow growth. Bottom is mud. Pic 22
CT-1 (6")

N*36 Pic 23 Open meadow. The creek skirts the lower edge of it. Has excellent grass and brush cover. The creek is increasing elevation, with the barrier hill (which separates it from N. Tex Cr drainage) very close.


ALASKA
1:63 360 SERIES (TOPOGRAPHIC)
50' (JUNEAU C-3)
EAGLE RIVER 2 MI.
134°40
58°30'
2 430 000
FEET
T. 39 S.
T. 40 S.
JUNEAU 14 MI.
(JUNEAU B-2)
Kishbrock Island
Dotsons Landing
Pearl Harbor
Shrine of St Teresa
St Teresa
Eagle Reef
Aaron Island
Cohen Reef
Cohen I.
Point Stephens
Tee Harbor
Lena Cove
Point Lena
Radio Tower
Lena Beach Recreation Area
Point Louisa
Fairhaven
Auke Recreation Area
Auke Cape
Indian Pt
Indian
AUKE BAY
Coghlan Island
Strauss Rock
Adams Anchorage
Dairy Light
Cabins
Peterson Lake
Cabins
Windfall Creek
Montana Creek
Lake Creek
Wayatich Cr
Auke Nu Cr
Auke Mtn
TONGASS NATIONAL FOREST
CHANNEL
The Breadline
Tee
Light
Inspiration Pt
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