

UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE

Ketchikan Ranger District

P.O. Box 6137

Ketchikan, AK 99901

907-225-2148

101-90-45

REPLY TO: 2510 River Surveys

SUBJECT: Indian Point Sale
Stream Protection Summary

TO: Bryce Rickel
Fisheries Biologist



September 23, 1981

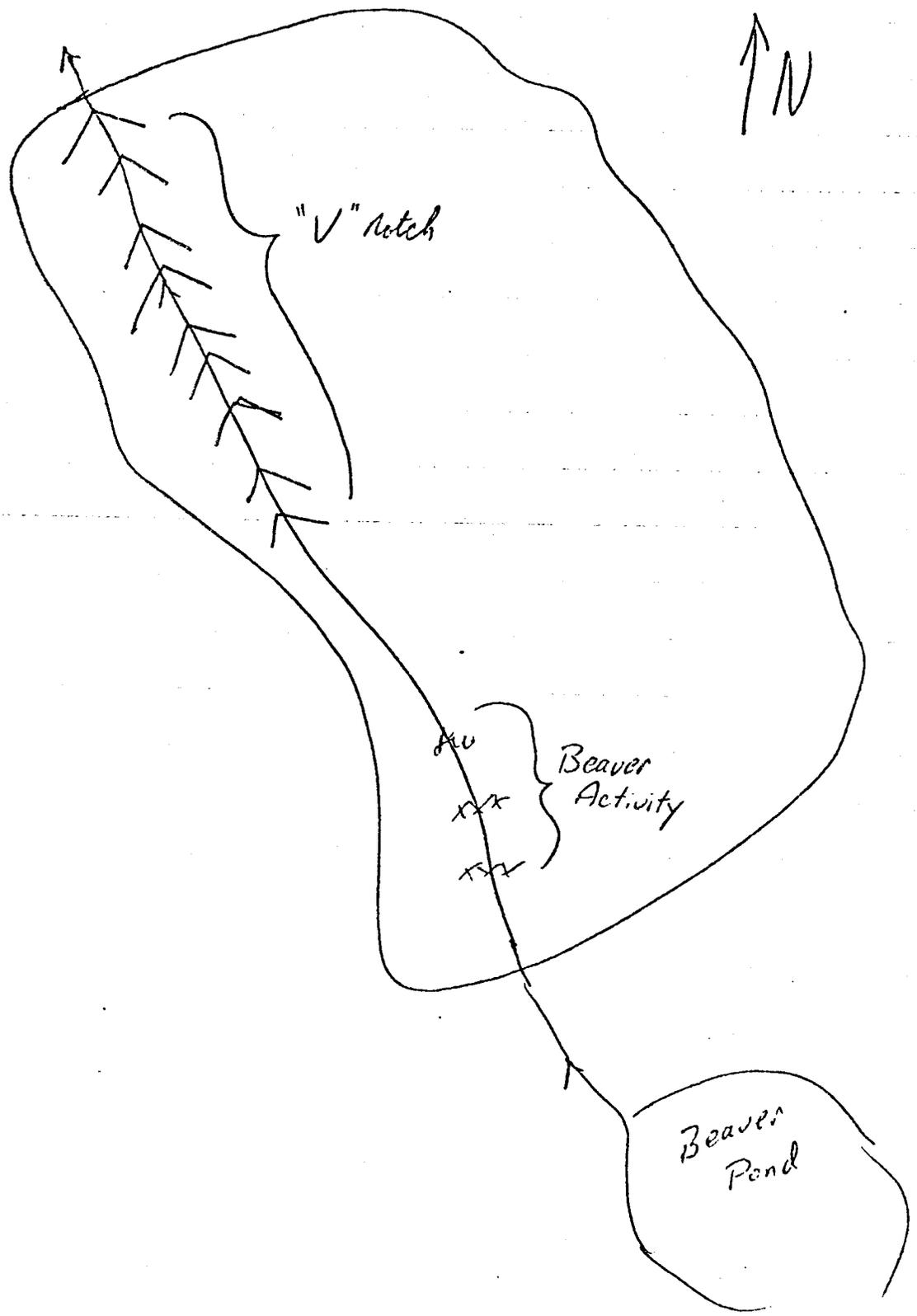
Unit #10

One stream of significance flows through this unit. It flows south to north just within the western unit boundary. This is the same stream that originates near the SE corner of Unit 11 and flows through units 11 and 12 and into the beaver pond/muskeg between units 12 and 10. In the south half of this unit the stream consists mainly of pools due to old and active beaver dams. Average width of the stream is 6'-15' and average depth is 1'-2' with pools to 2½'. The substrate consists mostly of fines. The stream flows through a "V" notch in the northern half of the unit. No slides were observed as the upper bank slopes seem to consist mainly of bedrock covered by moss and brush. In this section the stream averaged 6' in width and 8" in depth with pools to 2'. The substrate consisted mostly of medium to large angular cobble. Debris had fallen across stream in a few places. Cutthroat Trout 2"-5" were found throughout the stream. Fair spawning and fair rearing in the north half of the unit, and poor spawning and good rearing in the south section.

*Stream presumably meets salt water just S of Escape Pt. May be
ADF#6 101-90-45*

RON P. OLSON
Fisheries Technician

Unit 10



FISH STREAM SURVEY

DATE: 9-23-81

CAMP Marquerita (Indian Pt. Sale) UNIT 10

STREAM CATALOGUE # 101-90-45(?) ROAD

QUAD MAP Ket. C-6 T 725 R 99E SECT 12

CHICK MAP 9 of 8 T 725 R 89E SECT 12

SPECIES PRESENT

Cutthroat Trout

STAGE OF DEVELOPMENT

juvenile - adult

TYPE OF FISH HABITAT

SALMON REARING	EXCELLENT	Good	FAIR	Sq	Yes	_____
SALMON SPAWNING	EXCELLENT	Good	FAIR	Sq	Yes	_____
* RESIDENT REARING	EXCELLENT	<u>Good</u>	FAIR	Sq	Yes	_____
* RESIDENT SPAWNING	EXCELLENT	Good	<u>FAIR</u>	Sq	Yes	_____

IS FUTURE FISH HABITAT ENHANCEMENT POSSIBLE? YES _____ NO ✓
 IF SO DESCRIBE:

FISH PRESENT ABOVE ROAD CROSSING:	YES	NO
BELOW ROAD CROSSING:	_____	_____
WITHIN UNIT BOUNDARY:	<u>✓</u>	_____
BELOW UNIT BOUNDARY:	<u>✓</u>	_____

FISH STREAM(S) INTERSECTION(S) MARKED WITH METAL TAGS: ROAD _____ UNIT ✓
 FISH STREAM(S) FLAGGED: BLUE/WHITE _____ ORANGE/WHITE ✓
 FISH STREAMS TRAVERSED: YES _____ NO ✓
 TRAVERSE NOTES ATTACHED: YES _____ NO _____
 IS ADDITIONAL PARAMETER INFORMATION NECESSARY? YES ✓ NO _____
 IF SO DESCRIBE: May desire soils input
 STREAM TEMP.:

* see summary

METHODS USED TO DETERMINE PRESENCE OF FISH:

STREAM #	DATE	#FISH	SPECIES	LENGTH	GEAR	TIME
1	9-29-81	12	CT	2-5"	Electric Shooter	10:00

PERTINENT WILDLIFE INFORMATION:

COMMENTS:

SURVEY CREW MEMBERS:

Ron Olson
Doreen Curran

SIGNATURE

Ron Olson

DATE

9-29-81
9-29-81

REPORT REVIEWED BY:

SIGNATURE

TITLE

DATE

RECOMMENDATIONS:

Resident "non-sports" spawning and rearing habitat
(Orange/White Ribbon)

UNIT # 11

STREAM(S)# 1

The following fish stream protection prescriptions and recommendations apply:

TIMBER HARVEST

1. Directional falling of timber away from stream course if practical. If not - fall timber to bridge stream if possible.
2. Yard same season as timber is felled.
3. "Chunk clean" (removal of all debris with a 3" d.b.h., 6 Ft. in length and larger from stream course) concurrent with yarding.

Additional Comments:

*Soils input may be desirable
for "V" notch*

2v(3)