

FISHERIES RESOURCE INVENTORY

105-20-10080

map: Port Alexander B-

Stream 105-20-08

Latitude $56^{\circ}18'30''$ Longitude $133^{\circ}59'40''$

This stream enters Port Beauclerc about 1.4 miles southwest of Port marker and 1.6 miles north-northwest of Pegg marker.

The stream, approximately 1.5 miles long, flows through a relatively wide valley on the peninsula separating Affleck Canal and Port Beauclerc. Steep terrain and high peaks border the valley to the north and south.

The intertidal area of the stream is long (about .25 mile) with grassy, undercut banks at the upper end (Photo #19).



Photo #19: Intertidal area of Stream 105-20-08.

Both the intertidal and upstream substrate is mainly ungraded, loosely compacted gravel with high spawning potential. Upstream rearing habitat is enhanced by natural windfall, undercut banks, a moderate to closed vegetative canopy and pools formed by the damming action of natural windfall. Photo #20 depicts the "typical" habitat in the lower .25 mile of the stream.



Photo #20: "Typical" habitat lower .25 mile.

A five-foot-high partial barrier, consisting of gravel deposited behind a log, is located .25 mile upstream. The entire stream becomes subterranean 1.25 miles upstream leaving a 20-foot-wide dry streambed. Both coho fry and trout were observed as far as 1.25 miles upstream.

ADF&G escapement records show use of the stream by pink and chum salmon.

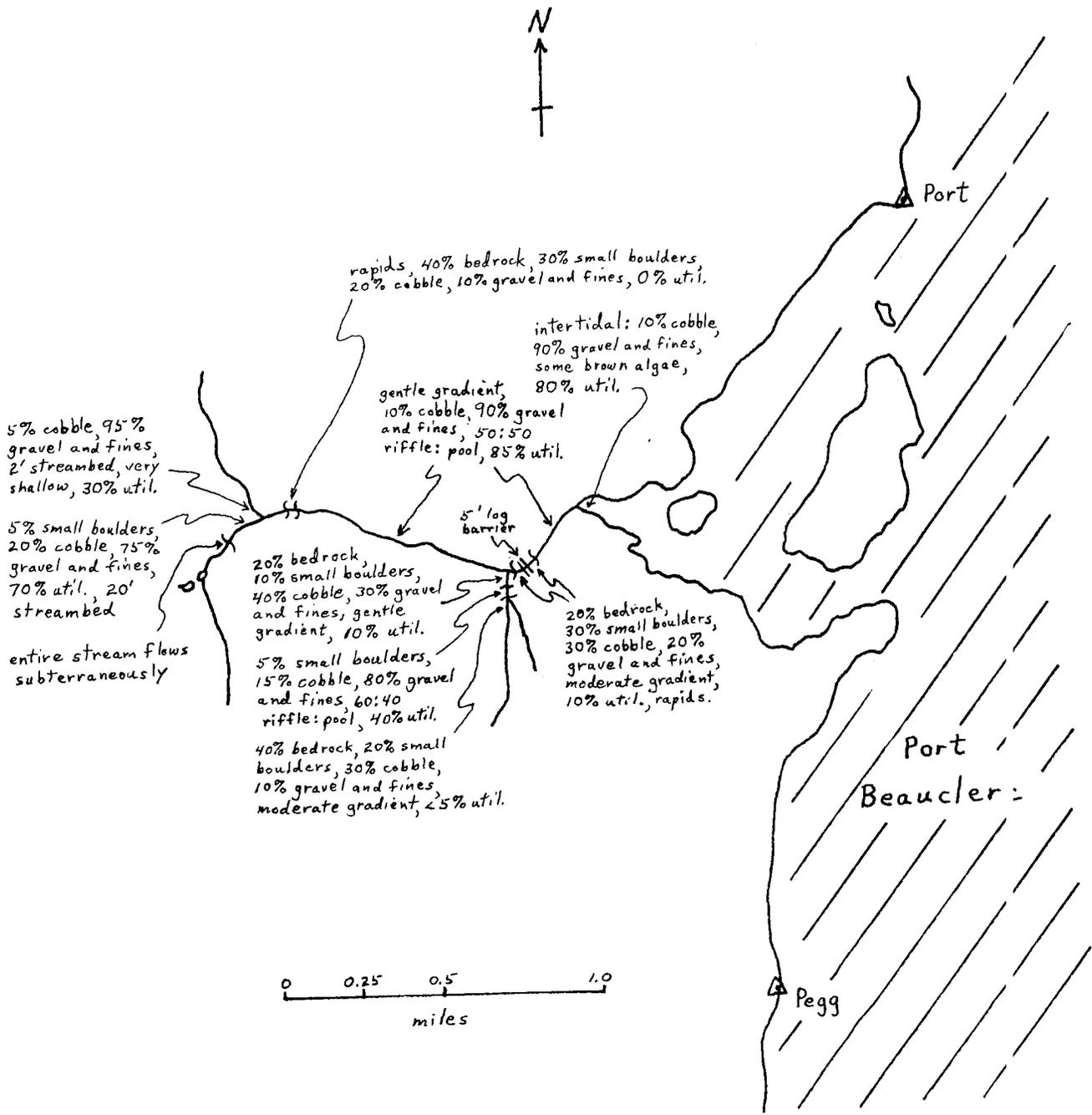
ADF&G Escapement Data:

<u>Year</u>	<u>Pink</u>	<u>Chum</u>
1972	500	--
1973	400	--
1974	--	--
1975	--	--
1976	--	550

Recommendations:

- 1) Further biological reconnaissance is needed to determine if pink and chum salmon are utilizing the upper spawning areas. If not, removal of the five-foot barrier may enhance the use of the stream by these species.

Figure 1. Stream 105-20-08
105-20-10080



105-20-10082

map Petersburg B-6

Stream PB #8

Latitude $56^{\circ}17'59''$ Longitude $133^{\circ}58'20''$

$18'15''$ $59'23''$

This stream enters Port Beauclerc about 1.4 miles southwest of the Port marker and 1.6 miles northwest of the Pegg marker.

This stream, approximately 1.5 miles long, flows through a fairly narrow valley in lowland terrain on the narrow isthmus between Port Beauclerc and Affleck Canal.

The intertidal bottom substrates are chiefly composed of gravel and cobble that provide fair spawning habitat. There is considerable filamentous algae and rock kelp in the lower part of the intertidal zone.

The stream has a moderate gradient for the first .25 mile and displays bedrock, cobble, and small boulder substrates which provide poor spawning habitat (Photo #21).



Photo #21: "Typical" habitat present in the lower .25 mile of PB 8.

The stream has cut down into a bedrock canyon with 100' high banks in the upper part of this section. There is a 25' (vertical drop) velocity shoot which is approximately 40' long and inclined at a 60° angle located .25 mile upstream. A few coho yearlings were observed in the lower part of the stream, which may originate from stream 105-20-08 owing to the close proximity of their intertidal areas.

There is no ADF&G spawning escapement data available for this stream.

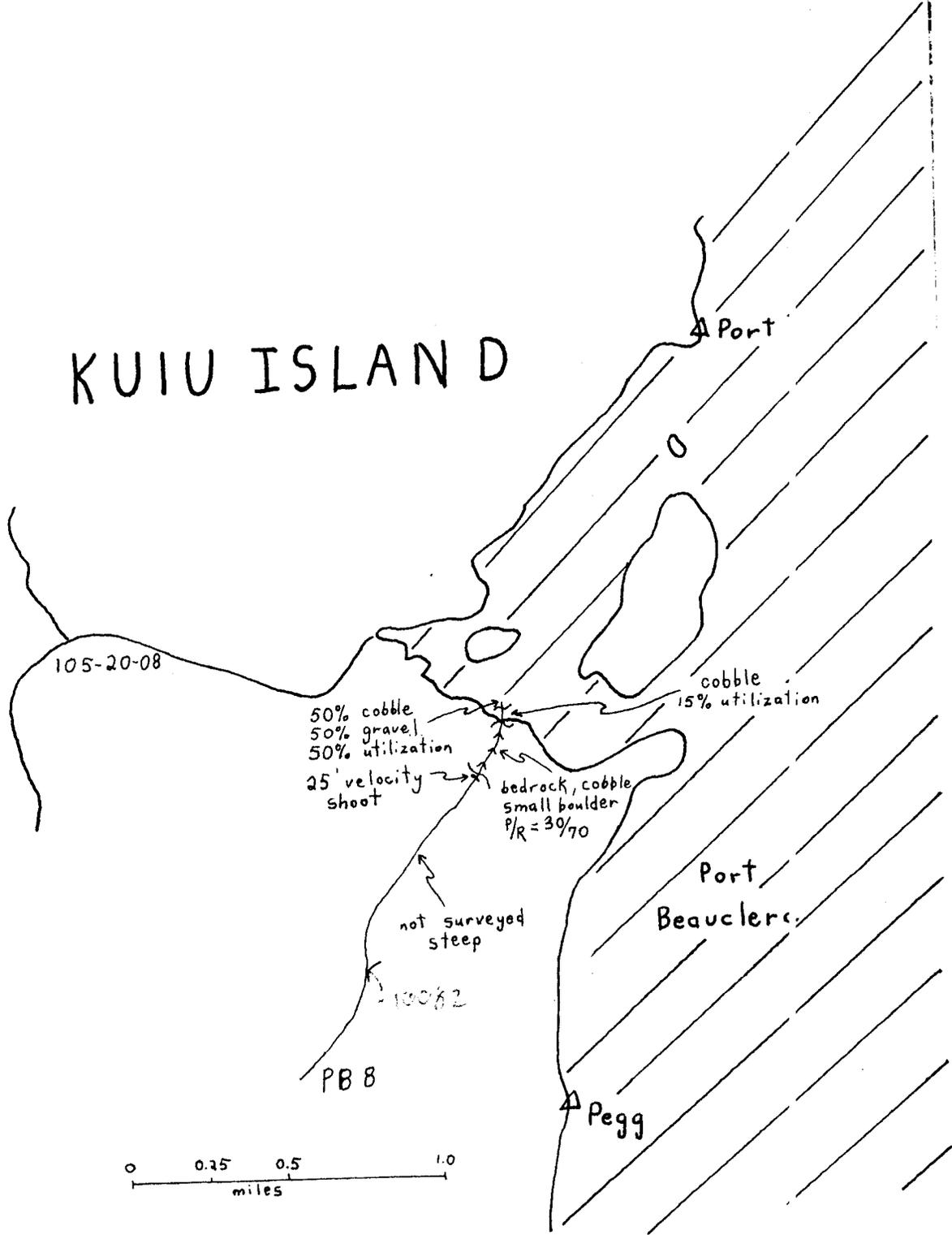
Recommendations:

- 1) This stream should be included in ADF&G's stream numbering system as anadromous salmonids are present.

PB 8

105-20-10082

KUIU ISLAND



STREAM HABITAT INVENTORY

AREA AND STREAM	TYPE AND DISTANCE OF SURVEY	FISH SPECIES AND MATURITY	STREAM QUALITY		STREAM		VELOCITY		WATER		MAJOR SUBSTRATE	
			Spanning inter-tidal	up-stream	Mean width (ft.)	Mean depth (ft.)	Inter-tidal	Upstream	Color	Temp. °C	Inter-tidal	Upstream
Port Beau-clerc 105-20-08	1.25 mile foot	coho fry, trout	excellent	very good	very good	gentle	30' channel 20' x 4"	8-10cfs	clear	10°	gravel and fines	gravel and fines
PB8	1/4 mile foot	coho year-ling, trout	fair	poor	fair	moderate	18' channel 10' x 1-2"	4 cfs	clear	12°	lower 50% cobble 50% gravel	bedrock cobble small boulder
Port Beau-clerc 105-20-09	0.25 mile foot	coho fry, trout	poor	poor	poor to fair	gentle becoming moderate to steep above 300 yds	20' channel 6' x 4"	3 cfs	clear	12.5°	gravel and fines	small boulders and cobble
105-20-10	5/8 mile foot	coho fry, dolly varden adult, cut-throat trout	fair/good	good	good	gentle mod/steep above 5/8 mile	30' channel 15' x 3"	5 cfs	clear	13°	1" gravel cobble	1-3" gravels

STREAMS OF THE S.E. KUIVU STUDY AREA

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