

USFS
FISHERIES RESOURCE INVENTORY

105-20-10060

Stream 105-20-06

Latitude $56^{\circ}20'00''$ Longitude $133^{\circ}58'20''$

$30''$ $59'20''$

This stream is located 1.2 miles southwest of the Rose marker and 1.3 miles northwest of the Port marker in Port Beauclerc on Kuiu Island.

This stream is approximately three miles in length and drains a flat, wide valley located on the isthmus between Port Beauclerc and Affleck Canal. The stream has headwaters which drain the north side of a high snowcapped peak.

The intertidal area is .12 mile long and has excellent spawning habitat. Bottom substrates displayed are 1" gravels in the upper section with cobble predominating in the lower section. Photo #15 depicts the upper intertidal spawning habitat.



Photo #15: Upper intertidal area of Stream 105-20-06.

The stream flows through a constricted bedrock channel for the first 200 yards with virtually no suitable spawning habitat. Above the bedrock section, the stream continues for 300 yards before entering a lake. This section is actually an extension of the lake. There is no perceptible water movement except in small sections. There is some beaver activity although no dams were observed.

The lake system provides excellent waterfowl habitat as well as fish rearing habitat. The brushy shoreline provides ample goose nesting habitat in addition to abundant bear and game trails. The entire lake has lily pads extending out from the shoreline for approximately 50 feet which makes recreational fishing from the banks difficult. Fresh water clam shells were also observed along the shoreline.

Above the lake for .25 mile, the stream is slow to sluggish and there are numerous active and inactive beaver dams. There is good spawning habitat above these dams with predominately 1" diameter gravel substrates displayed, as depicted in Photo #16.



Photo #16: Typical habitat .25 mile above lake system.

The abundant pools, brushy banks, and alder/spruce canopy also provide excellent rearing habitat in this section.

Several hundred adult pink and chum salmon were observed off the mouth. Cutthroat trout, coho fry and aduly dolly varden were observed throughout the system. ADF&G spawning escapement data reveals pink salmon are the predominant species.

ADF&G spawning escapement data:

<u>Year</u>	<u>Pink</u>	<u>Chum</u>
1972	--	--
1973	1	--
1974	--	--
1975	--	--
1976	60	--

Recommendations:

- 1) Further biological reconnaissance is needed to determine if pink salmon are utilizing the spawning areas above the lake. The bedrock section above the intertidal area may restrict access to the lake at certain water levels.

105-20-10070

Map: Petersburg B-6

Stream PB #6

Latitude $56^{\circ}20'00''$ Longitude $133^{\circ}58'20''$
 $04''$ $58''$

Located .75 mile northwest of the Port marker and 1.5 miles southwest of the Rose marker in the northern arm of Port Beauclerc.

This small stream is less than .75 mile in length and drains flat terrain located between the intertidal area of PB7 and the lake complex of stream 105-20-07.

The intertidal area did not contain sufficient water for fish navigation during the survey. The bottom substrates are chiefly composed of one-inch or smaller gravels with fines which would provide good spawning habitat during high discharge periods.

The stream displays one-inch gravels in the lower .25 mile and has many shallow pools. The stream banks are very brushy in the lower section. Above .10 mile, the stream becomes extremely small, has some subterraneous flow, and flows through an open grassy area. A few coho fry were observed in the upper intertidal area. A few trout fry were observed in the upstream area. The coho fry may originate from stream PB7 owing to the close proximity of the intertidal areas. There is no ADF&G spawning escapement data available for this system.

Recommendations:

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

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	Rearing	Gradient	Mean Width (ft.)	Mean depth (ft.)	Inter-tidal	Upstream	Color	Temp. °C	Inter-tidal
105-20-04	1 mile foot	coho fry, cut-throat trout, adult dolly varden, adult pink, adult chum	excel-lent	good	excel-lent	gentle	35' channel 10' x 3"	5 cfs		clear	120	1" gravels	1-2" grave
PB5	3/4 mile foot	coho fry, cut-throat trout, adult chums jumping off mouth	good/excel-lent	good	good	gentle becoming moderate	20' channel 15' x 3"	5 cfs		clear	110	1" gravels	1-3" grave 20% cobbles
105-20-06	1 mile foot	adult pink and chum and dolly varden, coho fry	excel-lent	good	excel-lent	gentle	80' intertidal 20' above lake	8 cfs		lt. tan	190	1" gravels	1" grave
PB6	1/4 mile foot	coho fry, trout fry	poor low flow	good lacks water	excel-lent	flat	6' channel 1' x 1"	<1 cfs		lt. tan	120	1" gravels	1" gravel
105-20-07	1/4 mile foot	coho fry, trout fry	good	fair poor up-stream	fair	gentle/moderate	20' channel 5' x 2"	3 cfs		clear	130	pea-1" lower gravels & cobbles in upper	bedroc cobbles

STREAMS OF THE S.E. KUIVU STUDY AREA

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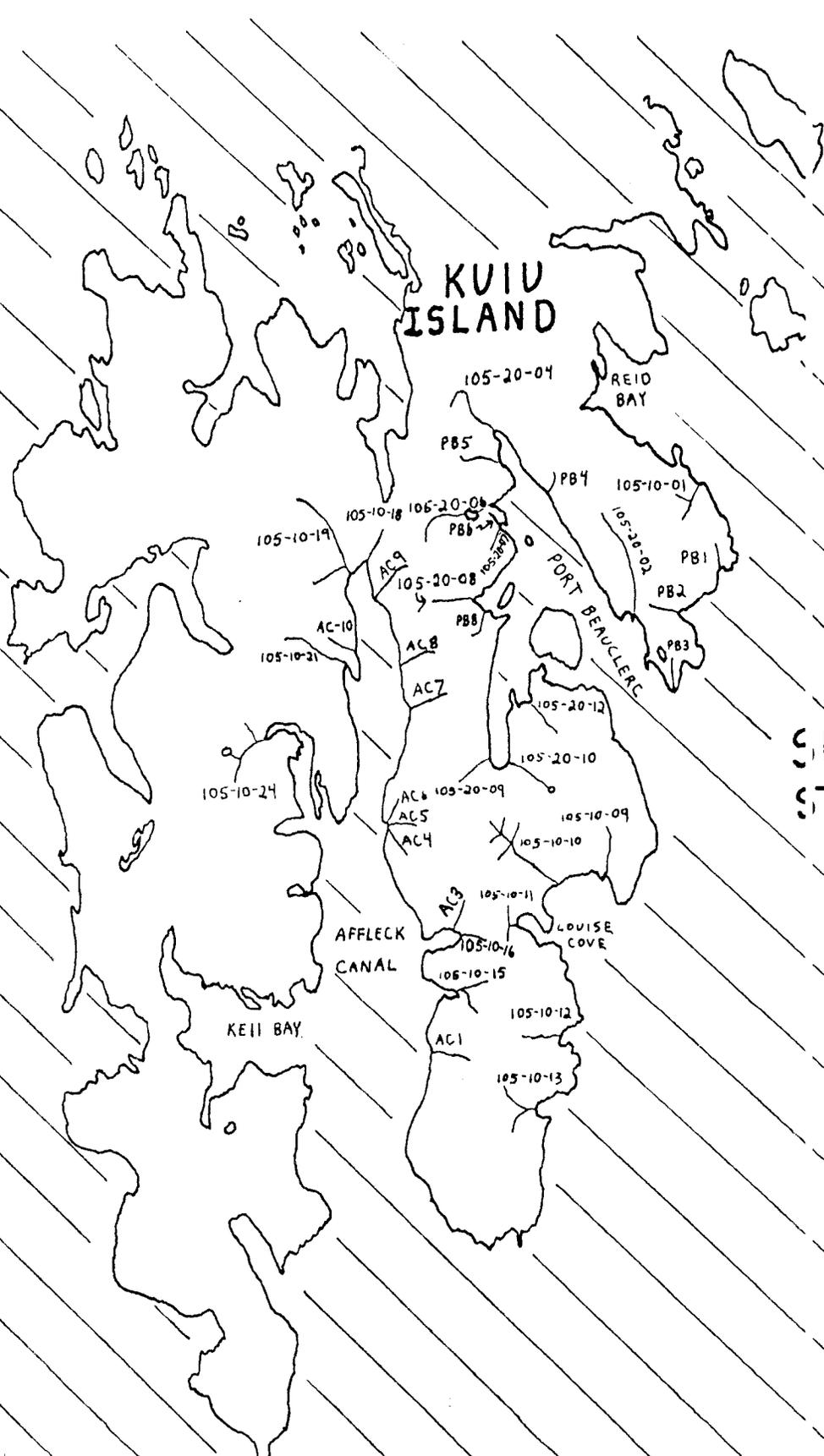
FREDERICK SOUND

KUIVU ISLAND

REID BAY

SUMNER STRAIT

Cape Decision



105-20-107-06
PB 6

Petrof Bay

KUIU ISLAND

