

USFS
FISHERIES RESOURCE INVENTORY

105-20-10020

map: Petersburg B-6

Stream 105-20-02 Kim Creek

Latitude $56^{\circ}18'20''$ Longitude $133^{\circ}53'34''$

This stream is located one mile southeast of the Will marker and two miles north of the Nor marker on the east side of Kuiu Island.

This fairly large system has a total length of approximately five miles and drains a wide, flat valley which encompasses most of the peninsula located between Reid Bay and Port Beauclerc.

The intertidal area is .25 mile long and has fair spawning habitat with bedrock, cobble and gravel substrates displayed. The lower mile of the stream has predominately gravel substrates and is the primary spawning area. The stream is braided in places and has a fine canopy of alcer and spruce, especially in the lower .25 mile. There is excellent rearing habitat with undercut root and mud banks in places and pools to six feet deep.

There is considerable gravel scouring in the braided areas with as many as four distinct channels evident. There are many large windfalls with large pools behind them although no apparent blockages to fish migration. The area contains good game trails and has high wildlife potential. Photo #7 depicts the "typical" habitat present in the lower mile of the stream.



Photo #7: "Typical" habitat .75 mile upstream.

Numerous coho fry, cutthroat, and juvenile and adult dolly varden were observed in the system. A school of 200-300 pink salmon was observed around the mouth. ADF&G spawning escapement records reveal pink salmon are the predominant species.

ADF&G spawning escapement data:

<u>Year</u>	<u>Pink</u>	<u>Chum</u>
1972	500	5
1973	200	--
1974	--	--
1975	8300	50
1976	850	--

Recommendations:

- 1) Adequate windfirm vegetative buffer should be maintained in the braided sections to protect potentially unstable stream banks.

105-20-02
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Reid Bay

KUIVU ISLAND

PORT BEAUCLERC

not surveyed

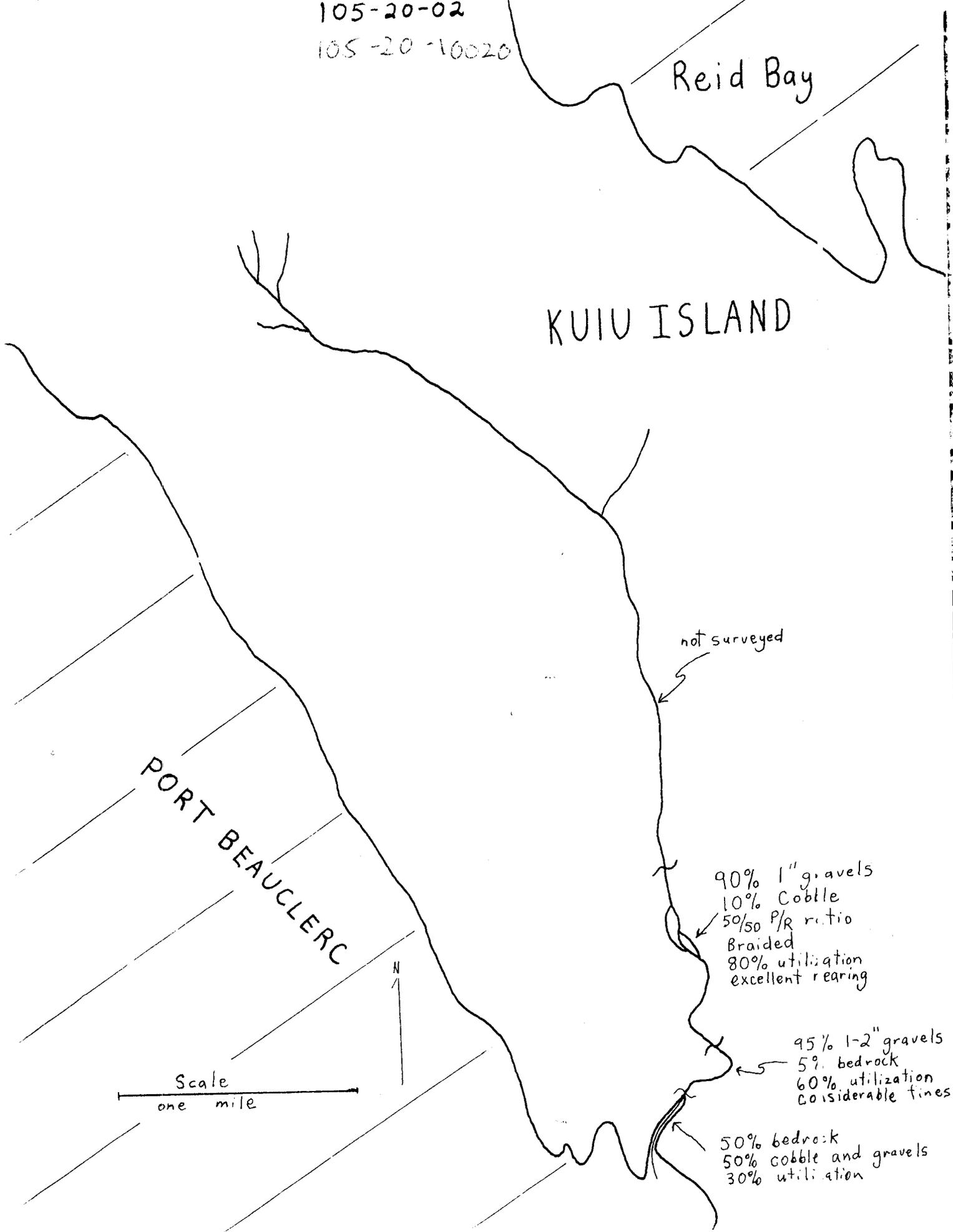
90% 1" gravels
10% Cobble
50/50 P/R ratio
Braided
80% utilization
excellent rearing

95% 1-2" gravels
5% bedrock
60% utilization
considerable fines

50% bedrock
50% cobble and gravels
30% utilization

Scale
one mile

N



105-20-10030

map Petersburg B-6

PB 4

Latitude $56^{\circ}21'00''$ Longitude $133^{\circ}55'30''$

$20'57''$ $6'57'31''$

This stream empties into Port Beauclerc about .4 mile southeast of Rcse marker and 1.3 miles northwest of Logg marker (Figure 1).

The stream, about two miles long, drains two relatively high peaks located on the peninsula between Reid Bay and Port Beauclerc. The stream flows through a narrow valley with steep hillsides. Two small landslides, located away from the stream were observed.

The intertidal area is small, about 100 yards in length, and consists of two channels, one of which was dry. The presence of small boulders and cobble limits the spawning utilization of the intertidal area to 10 percent. The upstream substrate is predominately small boulders and cobble interspersed among gravel; consequently, spawning areas are small and scattered. Braiding, occasional subterraneous flow, scouring and some undercutting of stream banks above .13 mile upstream indicate seasonally high water levels and flows. An open canopy, largely due to scouring, and the seasonally high water levels and flows reduce the value of the stream as rearing habitat. Rearing habitat consists mainly of pools, many of which are due to the damming action of natural windfall. Photo #8 depicts the "typical" habitat present in the lower section of the stream.



Photo #8: Stream PB 4 .15 mile upstream.

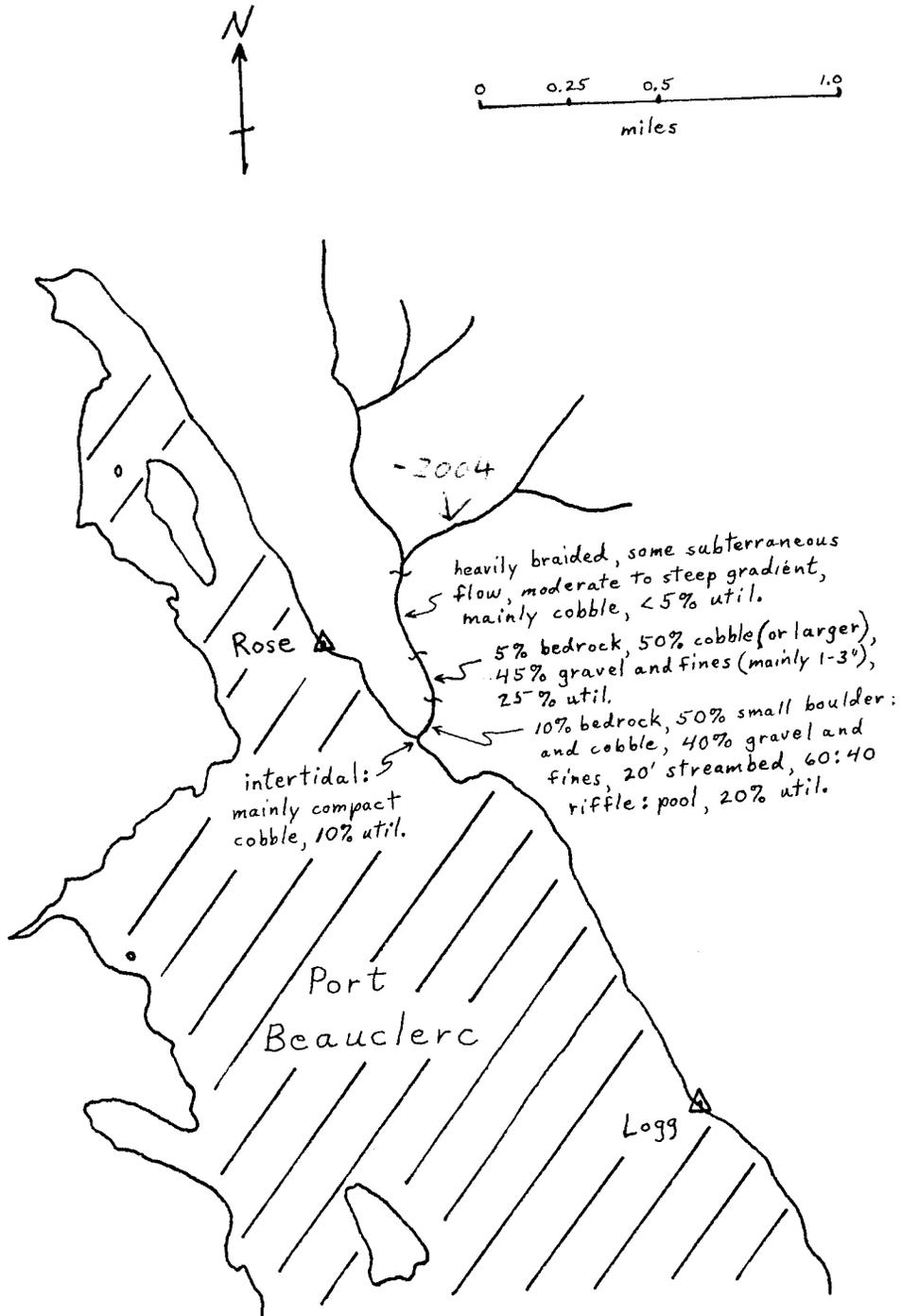
Coho fry were observed only in the lower .13 mile of the stream. Trout, however, were observed as far as .5 mile upstream. There is no ADF&G escapement data available for this stream.

Recommendations:

- 1) A streamside vegetative management zone should be maintained so that the steep hillsides bordering the stream remain stable.
- 2) Include stream in the ADF&G stream numbering system as anadromous salmonids are present.

105-20-10030

Figure 1. Stream PB-4



August 2-11, 1977

STREAM HABITAT INVENTORY

AREA AND STREAM	TYPE AND DISTANCE OF SURVEY	FISH SPECIES AND MATURITY	STREAM QUALITY			STREAM		VELOCITY		WATER		SUBSTRATE	
			Spawning Inter-tidal	Up-stream	Rearing	Mean width (ft.)	Mean depth (ft.)	Inter-tidal	Upstream	Color	Temp. °C	Inter-tidal	Upstream
105-10-01	3/4 mile foot	coho fry, trout	good	fair	fair/good	gentle/mod.	25' channel 15' x 2"	3-cfs	clear	11°	gravel	cobble bedrock	
PB1	1/2 mile foot	coho fry, trout	none	good	excellent	gentle	20' channel 10' x 2"	1-2 cfs	clear	12.5°	logs	gravels	
PB2	1/4 mile foot	coho fry, trout	poor	good	excellent	flat	15' channel 5' x 1"	1-2 cfs	lt. tan	130	1-4" gravels fines	gravels	
PB3	1/8 mile foot	coho fry, trout	poor	good	excellent	flat	15' channel 5' x 1"	1 cfs	lt. tan	130	5" gravels fines	gravels	
105-20-02	1.25 mile foot	coho fry, cut-throat trout, dolly varden, juveniles and adults, several hundred adult pinks	fair	excellent	excellent	gentle	60' channel 40' x 3"	15 cfs	lt. tan	14.5°	bedrock cobble gravel	gravel	
Port Beauclerc #4	0.5 mile foot	coho fry, trout	poor	poor to fair	fair	gentle becoming moderate above 0.13 mile	20' channel 7' x 2"	3-4cfs	clear	11°	small boulders and cobble	small boulders and cobble	

STREAMS OF THE S.E. KUIU STUDY AREA

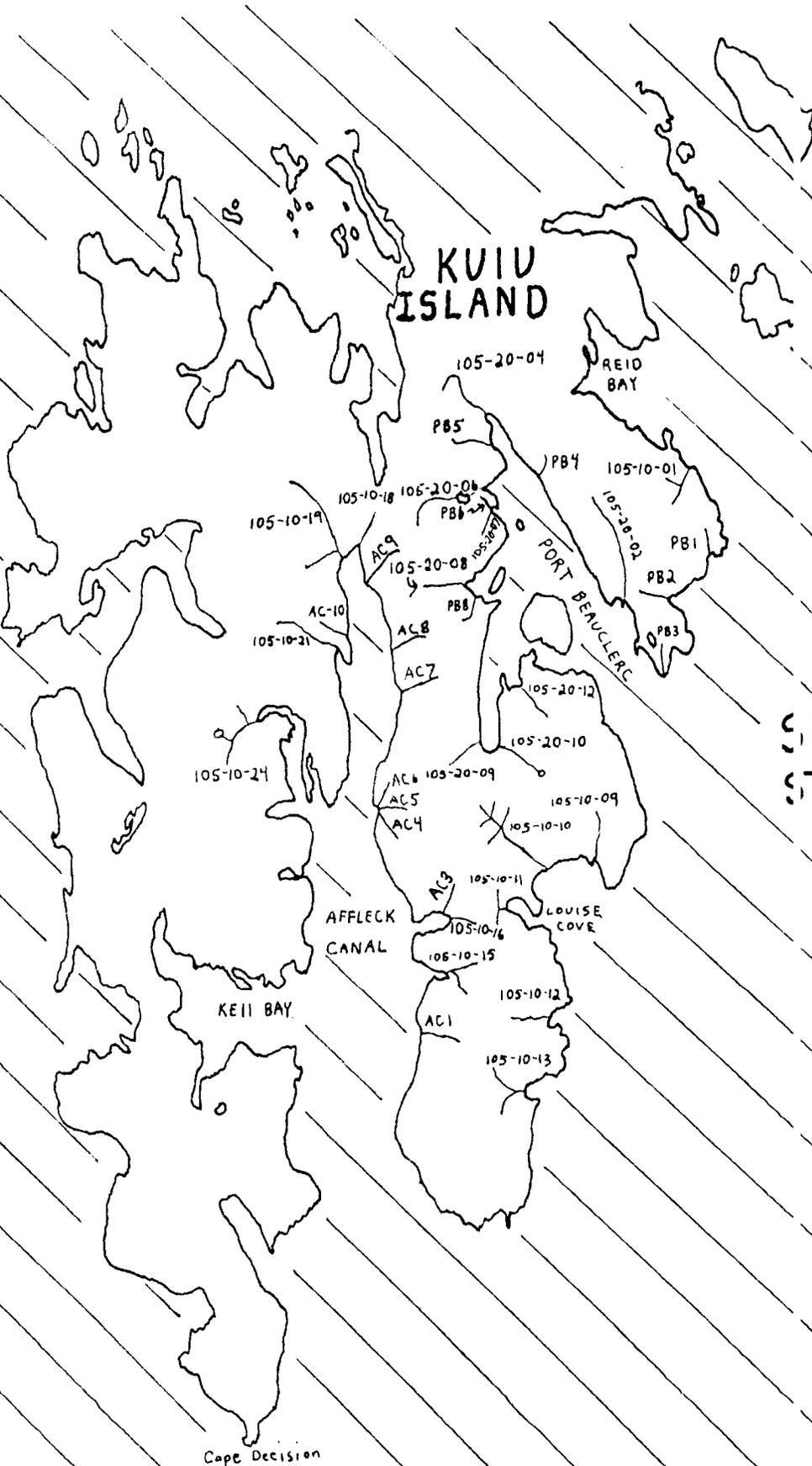
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FREDERICK
SOUND

KUIU
ISLAND

REID
BAY

SUMNER
STRAIT



Cape Decision