

105-10-10010

Stream 105-10-01

Latitude 56°21'15"

Map: Petersburg B-6

Longitude 133°51'30"

20'55"

11"

Located south of Reid Bay, one mile southeast of the Pom Marker and two miles northwest of Boulder Point.

This small stream is less than two miles in length and drains moderately steep terrain located on a narrow peninsula between Reid Bay and Port Beauclerc.

The intertidal spawning area contains some fair/good spawning habitat and displays mainly ungraded gravel substrates with some cobble interspersed. The substrates are covered with rock kelp and algae and are somewhat compacted. Photo #1 depicts the intertidal spawning habitat.



Photo #1: Stream 105-10-01 intertidal spawning habitat.

The first .25 mile contains the best spawning and rearing habitat in the system. The stream displays ungraded .5" - 4" gravels with cobble in some of the riffle areas. The stream canopy is fairly open. There is some minor bank sluffing evident on the steep side banks, especially above .15 mile. Photo #2 depicts the fisheries habitat in the lower part of this section.



Photo #2: Stream 105-10-01 .1 mile upstream.

There are two 15' barrier falls located approximately .25 mile upstream. Both falls are created by log impoundments that have gravels backed up behind. Above these barriers, the stream forks and displays predominately bedrock substrates for the next .1 mile and has poor spawning habitat.

The entire system has considerable evidence of gravel scouring from high discharge periods.

Coho fry and cutthroat trout were observed up to the barriers. A school of 20 - 30 adult pink salmon were observed off the intertidal area. There is no ADF&G spawning escapement data available for this stream.

Recommendations:

- 1) Adequate windfirm vegetative buffer strip should be maintained in the lower .25 mile of the stream to protect the primary spawning habitat and the unstable side banks.
- 2) The two barrier falls should be left intact as there is little spawning habitat above and removal may increase downstream gravel scouring.

105-10-10030
PB 1 map Petersburg B-6
Latitude 56°19'⁰⁰"_{14"} Longitude 133°50'³⁰"_{27"}

Located .5 miles south of the Boulder Point marker on the east side of Kuiu Island.

This small stream is approximately one mile in length and drains relatively flat lowland terrain located on a narrow peninsula between Reid Bay and Port Beauclerc.

There is no intertidal spawning habitat due to the southwest exposure of the beach which causes considerable gravel and driftwood to pile up. The stream flows subterraneously through these gravels and is not visible from the beach.

The first 100 yards and the east fork contain good spawning habitat with one inch or smaller angular gravels displayed. The remaining sections display cobble and ungraded gravel substrates with fair-good spawning habitat. The entire system contains an excellent canopy of spruce and alder with brushy banks and has many shallow pools providing excellent rearing habitat (Photo #3).



Photo #3: Typical habitat .15 mile upstream.

Numerous coho fry and cutthroat trout were observed in the main stream and east fork. There is no ADF&G spawning escapement data available for this stream.

Recommendations:

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

105-10-01

PBI

▲ POM

ungraded
1" cobble
70% utilization

▲ TURN

70% cobble
15% bedrock
15% gravels
15% utilization

1/2-4" gravels
40% utilization
gen-mod. gradient

15' log impoundments

bedrock
moderate gradient

KUIU
ISLAND

PBI

10030-2003

70% utilization
1" gravels

▲ Boulder
Point

ungraded
1" cobble
many pools

Cobble
15% utilization

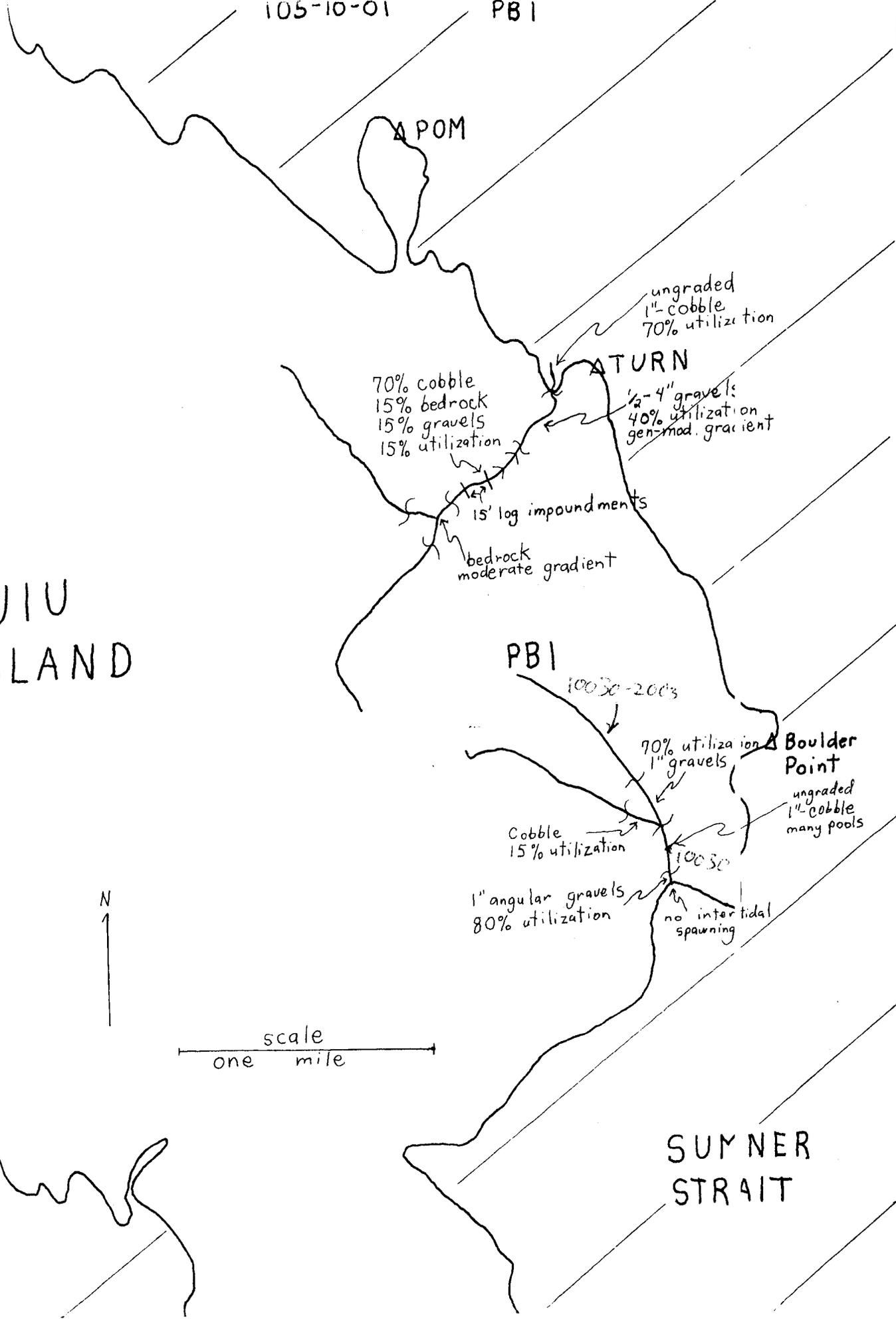
1" angular gravels
80% utilization

no intertidal
spawning

N

scale
one mile

SUMNER
STRAIT



105-10-10050

map: Petersburg B-6

PB 2

Latitude $56^{\circ}18'00''$ Longitude $133^{\circ}52'20''$

The stream is located 2 miles southwest of the Boulder Point marker and 1.5 miles north of the Nor marker on Kuiu Island.

This small stream drains very flat lowland topography at the south end of the peninsula located between Reid Bay and Port Beauclerc. The stream is approximately one mile in length and is very brushy with numerous windfalls and instream organic debris.

The intertidal area contains very little moving water and considerable fine and organic debris interspersed with 1"-4" gravels creating unfavorable spawning habitat (Photo #4).



Photo #4: Intertidal area of Stream PB 2

Above the intertidal area for 200 yards the stream displays 1" angular gravels (with fines) and has excellent spawning habitat. The lower .25 mile of the stream displays 1"-3" gravel substrates and has good spawning habitat. The dense overstory, brushy banks, and numerous shallow pools provide excellent rearing habitat. There is considerable fine material and organic matter in the stream, probably because of the low gradient. The stream appears to be very stable and is apparently not subject to large variations in discharge. Photo #5 depicts the typical fisheries habitat present in this section.



Photo #5: "Typical" habitat .15 mile upstream.

Numerous coho and trout fry were observed in the lower section. There is no ADF&G stream escapement data available.

Recommendations:

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

105-10-1070
PB 3
Map: Petersburg B-6
Latitude 56°17'^{00"}_{19"} Longitude 133°52'^{10"}_{51' 57"}

This stream is located .5 mile north of the Nor marker and 3 miles southwest of the Boulder Point marker on the east side of Kuiu Island.

This small stream is less than a mile in length and drains very flat lowland topography located at the very south end of the peninsula between Reid Bay and Port Beauclerc.

The intertidal spawning habitat was limited by low flow during the time of the survey as well as considerable mud and organic debris interspersed in the .5" angular gravel substrates.

The lower 300 feet of the stream contains good spawning habitat and displays 1" angular gravels which grade into cobble and .5"-2" gravels upstream. The stream is extremely brushy and contains a thick alder, spruce, and devil's club canopy which completely obscures the stream in places but provides excellent rearing habitat. The stream appears very stable. Photo #6 depicts the "typical" habitat found in the lower 300 yards of the stream.



Photo #6: "Typical" habitat lower section of Stream PB 3

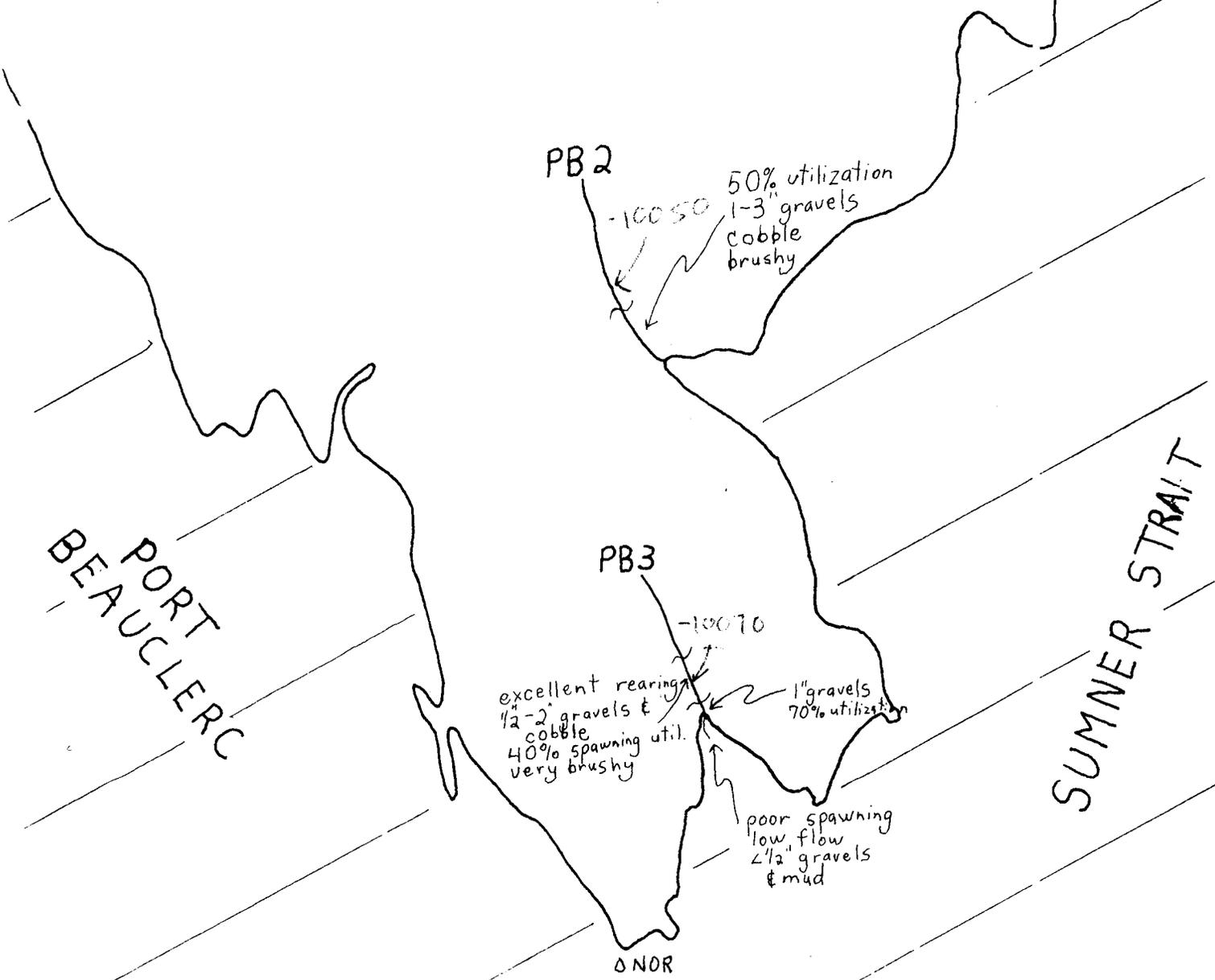
Numerous coho fry and cutthroat trout were observed. There is no ADF&G spawning escapement data available for this stream.

Recommendations:

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

PB 2, PB 3

KUIU ISLAND



August 2-11, 1977

STREAM HABITAT INVENTORY

AREA AND STREAM	TYPE AND DISTANCE OF SURVEY	FISH SPECIES AND MATURITY	STREAM QUALITY			STREAM		VELOCITY		WATER		MAJOR SUBSTRATE		HABITAT INDEX
			Spawning Inter-tidal	Upstream	Rearing	Gradient	Mean width (ft.)	Mean depth (ft.)	Inter-tidal	Upstream	Color	Temp. °C	Inter-tidal	
105-10-01 -10/10	3/4 mile foot	coho fry, trout	good	fair	fair/good	gentle/mod.	25' channel 15' x 2"	3-cfs	Inter-tidal	clear	11°	gravels	cobble bedrock	no
PB110030	1/2 mile foot	coho fry, trout	none	good	excellent	gentle	20' channel 10' x 2"	1-2 cfs	Inter-tidal	clear	2.5°	logs	gravels	no
PB210050	1/4 mile foot	coho fry, trout	poor	good	excellent	flat	15' channel 5' x 1"	1-2 cfs	Inter-tidal	tan	130	1-4" gravels fines	gravels	no
PB310010	1/8 mile foot	coho fry, trout	poor	good	excellent	flat	15' channel 5' x 1"	1 cfs	Inter-tidal	tan	130	5" gravels fines	gravels	no
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	Inter-tidal	tan	14.5°	bedrock	gravels cobble gravel	no
Port Beauclerc #4	0.5 mile foot	coho fry, trout	poor	poor to fair	fair	gentle becoming moderate above	20' channel 7' x 2" 0.13 mile	3-4cfs	Inter-tidal	clear	11°	small boulders and cobble	small boulders and cobble	no

STREAMS OF THE S.E. KUIU STUDY AREA

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