

105-10-10150

Stream 105-10-15

Latitude $56^{\circ}10'07''$ Longitude $134^{\circ}00'45''$

This stream enters Affleck Canal about .9 mile southeast of Near marker and 1.2 miles northeast of Dub marker.

The stream, approximately one mile long, drains a relatively large plateau on the peninsula separating Affleck Canal and Sumner Strait.

The substrate of the intertidal area, 300 yards long, is predominantly 1"-3" gravels with excellent spawning potential (90 percent utilization) as depicted in Photo #39.

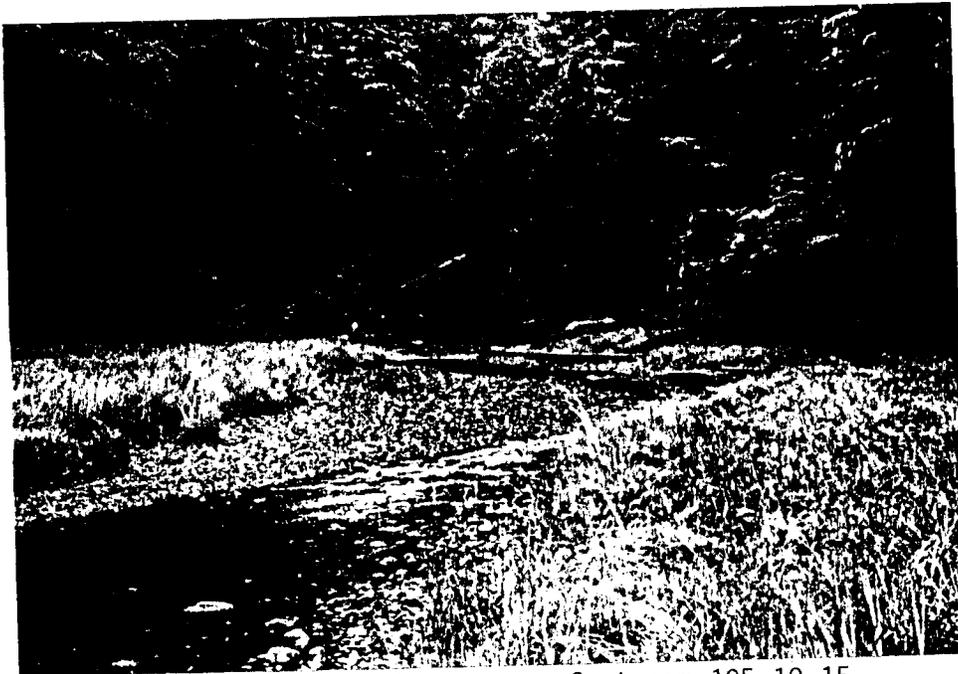


Photo #39: Intertidal area of stream 105-10-15.

From the intertidal area to the confluence of the two main tributaries, the amount of cobble interspersed in the bottom substrate increases slightly but spawning potential is still very good. Rearing habitat is good due to a gentle gradient, many pools and some natural windfall for cover. Both tributaries have heavy natural windfall and streamside vegetation which provide excellent rearing habitat. Photo #40 depicts the typical habitat in tributary 02.



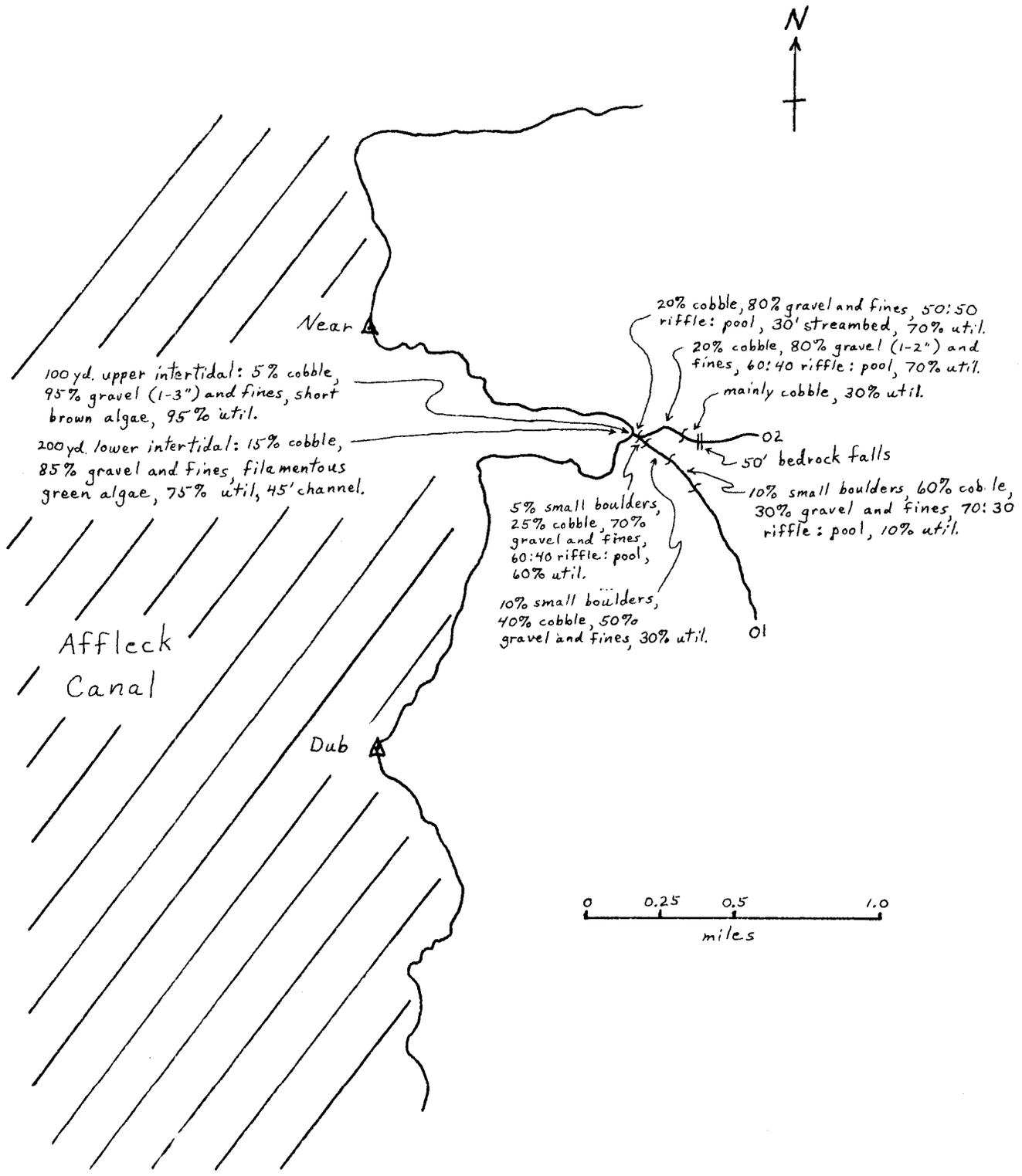
Photo #40: "Typical" habitat in tributary 02.

Rearing habitat and spawning potential are high in the lower part of the tributaries but decrease quickly due to increasing gradients and a lack of suitable substrates. Tributary 01 has a three-foot-high partial barrier .13 mile upstream consisting of a log with gravel deposited on the upstream side. Tributary 02 has a 50-foot bedrock falls located approximately .2 mile upstream. No coho fry were observed above the barriers. A few adult chum salmon were observed jumping off the mouth. ADF&G escapement records show some use of the stream by pink salmon.

ADF&G Escapement Data:

For 1973 - 1976 includes only one observation: 100 pink salmon in 1975.

Figure 1. Stream 105-10-15



STREAMS OF THE S.E. KUIU STUDY AREA

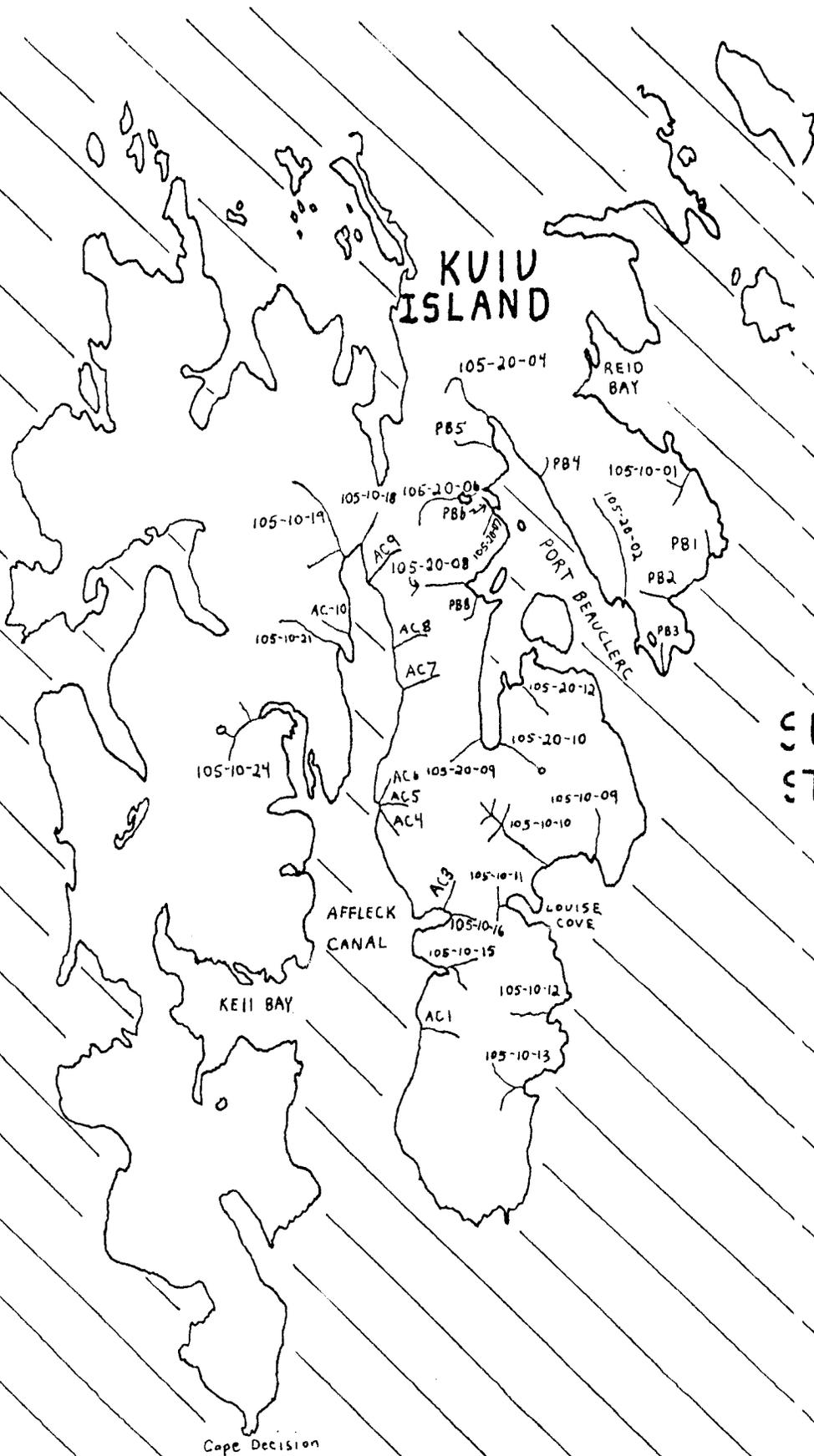
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FREDERICK SOUND

KUIU ISLAND

REID BAY

SUMNER STRAIT



Cape Decision

GENERAL WATERSHED INVESTIGATION

AREA AND STREAM	TYPE AND DISTANCE OF SURVEY	FISH SPECIES AND MATURITY	STREAM QUALITY			STREAM		VELOCITY		WATER		MAJOR SUBSTRATE	
			Spawning Inter-tidal	Up-stream	Rearing	Gradient	Mean width (ft.)	Mean depth (ft.)	Inter-tidal	Upstream	Color	Temp. °C	Inter-tidal
Affleck Canal AC #1	0.3 mile foot	coho fry, trout	good	poor/fair	fair	gentle/moderate	20' channel 15' x 3"	5-7cfs		clear	12.50	cobble and gravel	small boulders and cobble
Affleck Canal 105-10-15	0.6 mile foot	coho fry, trout	excellent	good/very good	good/very good	gentle/moderate	30' channel below fork 15' x 4"	7 cfs		clear	12.50	gravel and fines	coarse gravel and gravel
105-10-16	.5 mile	coho fry, adult pink and chums and coho fry, trout	good	good	excellent	gentle	20' channel 10' x 3"	4 cfs		clear	12.0	1-4" gravels	1-3" gravel
Affleck Canal AC-3	0.5 mile foot	coho fry, trout	good	fair/good	fair/good	moderate	15' channel 12' x 1"	3 cfs		clear	12.50	gravel and cobble	gravel and cobble