

107-40-1005C

Comments:

Crittenden Creek (107-40-05) is a large mainland system that drains steep mountainous terrain. Unlike many mainland stream systems, Crittenden Creek does not have any glaciers in the watershed.

The intertidal area is approximately one mile long and was not examined due to flood tide conditions. The upper intertidal and reach #1 are characterized by gravel and rubble substrates interspersed with fines and sands. Photo #1 depicts the typical habitat displayed in reach #1.

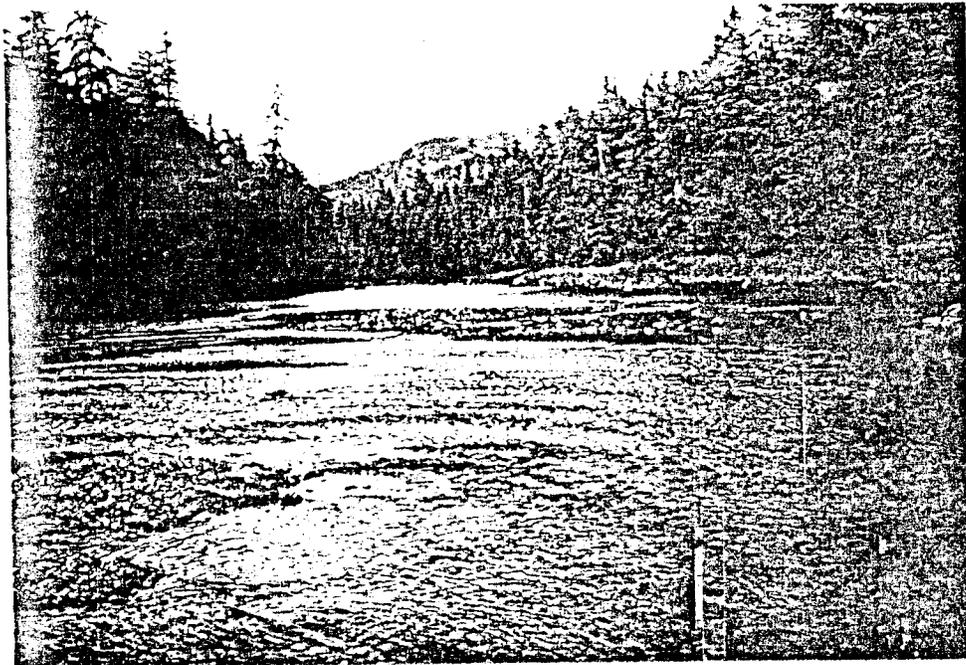


Photo #1: Crittenden Creek one mile upstream.

Lat: $56^{\circ} 29' 31''$
Long: $132^{\circ} 15' 29''$
map: Petersburg B-1

A 20' cataract is present 1.5 miles upstream. In 1966, USDA Forest Service crews flattened and widened this cataract to provide fish passage for pink salmon. Coho salmon passage was also improved by the channel work. Photo #2 depicts this cataract.

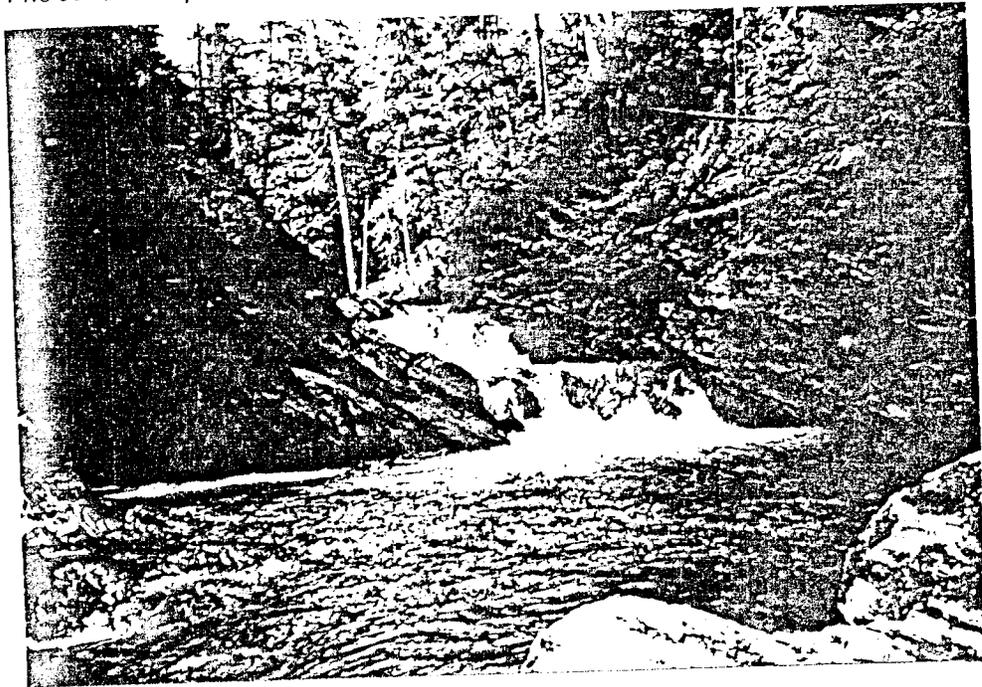


Photo #2: 20' cataract located 1.5 miles upstream

Reach #2 is characterized by bedrock and boulder substrates with patchy gravel areas. The overstory canopy is very open and there is little instream organic debris and cover. Photo #3 depicts the typical habitat present four miles upstream.

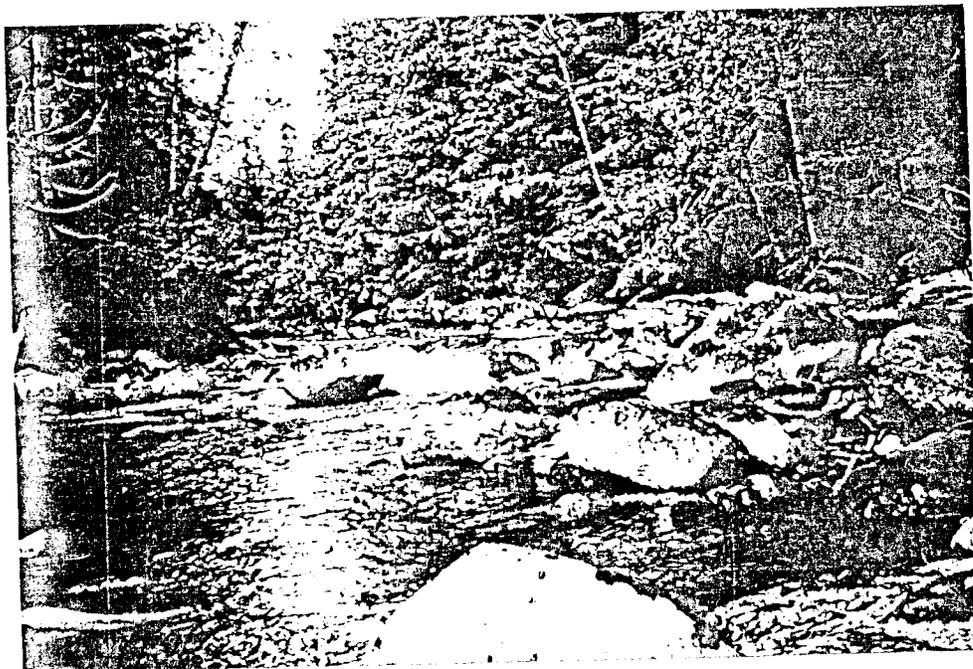


Photo #3: Crittendon Creek four miles upstream.

reach #3 is characterized by a high pool-riffle ratio and sand-pea gravel substrates. Photo #4 depicts the creek five miles upstream.

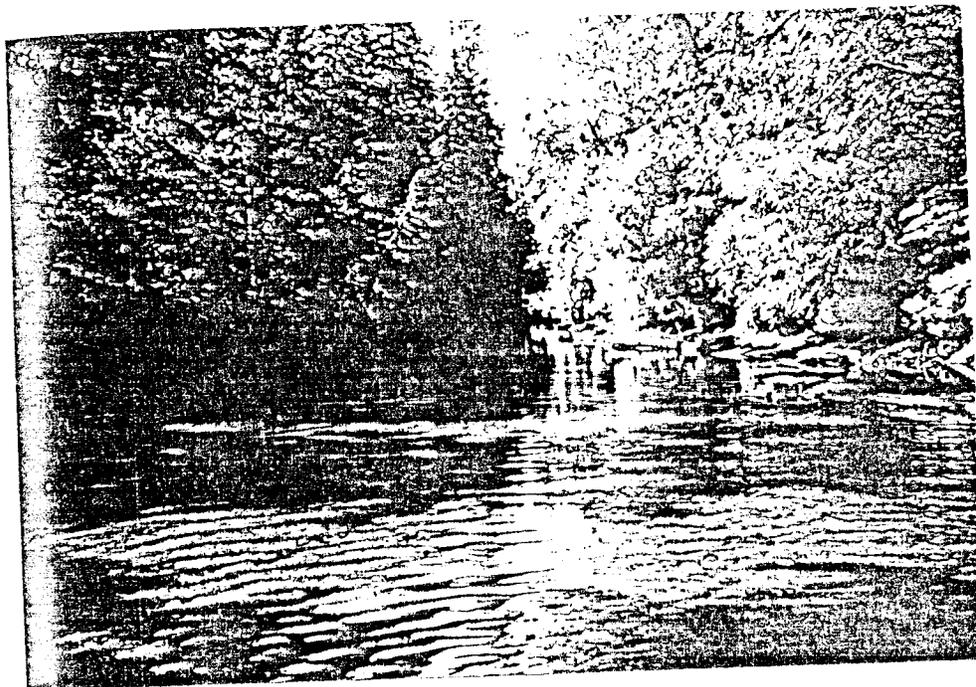


Photo #4: Crittenden Creek five miles upstream.

The remaining length of stream was surveyed by air. No barrier falls were encountered up to the headwaters. Bottom substrates alternate between gravel and bedrock-boulder areas.

Approximately 50 pink salmon were present in the intertidal area. A few were also present above the 20-foot cataract located 1.5 miles upstream. Coho fry were present throughout the watershed, although in greater numbers in reach #3 where the rearing habitat is better.

ADF&G Anadrimous Stream No. 107-40-05 Crittenden Creek

Water Source: Snowfields, surface runoff, cirque lake systems

Schooling areas: Inertidal area has several deep schooling pools.

Shellfish potential: Unknown

Land use at present: None

History of land use: Small clearcut located directly west of lower
intertidal area.

Anchorage: Exposed to south and southeast winds.

Sport fish potential: Good pink & coho sport fishing in intertidal area

Trails and survey routes: Bear and game trails present on both river
banks.

Spawning escapement data:

ADF&G spawning escapement data:

1950	2900 Pink	68 Chum	200 Coho
1951	5820 Pink	25 Chum	200 Coho
1952	1170 Pink	6 Chum	
1953	252 Pink	20 Chum	50 Coho
1954	1 Pink	5 Chum	
1955	350 Pink	10 Chum	
1956	4000 Pink		150 Coho
1957		150 Chum	
1958	4000 Pink	150 Chum	
1959	650 Pink		150 Coho
1960-62	No Survey		
1963	300 Pink	30 Chum	
1964	1200 Pink		
1965 & '66	No Survey		
1967	No fish observed		
1968	5000 Pink		300 Coho
1969	400 Pink		75 Coho
1970	No fish observed		
1971	200 Pink		
1972	700 Pink		
1973	100 Pink		
1974	No fish observed		
1975	50 Pink	50 Chum	
1976	2000 Pink		
1977	803 Pink		