

UNITED STATES GOVERNMENT

Department of Agriculture -- Forest Service R-10  
P. O. Box 1628, Juneau, Alaska 99801

# Memorandum

TO : Regional Engineer

File No. 2620

FROM : George F. Raskie, Assistant Regional Forester  
Division of Recreation, Lands, Wildlife and Watershed Management, By Date: August 8, 1968

SUBJECT: Planning (Indian Creek Spawning Channel) Your reference:

We feel that we should take another look at the Indian Creek spawning channel at Hollis for the purpose of determining feasibility and construction cost of a controlled flow spawning channel.

As you know, a flood plain channel was constructed in Indian Creek in 1961. This channel, financed by the Wood Products Industry, Fisheries Research Institute, Forest Service, and Ketchikan Pulp Company (KPC donated labor and machinery to the project), failed because it was not designed for the high instantaneous maximum discharge which occurred.

Justification for construction of a controlled flow spawning channel is as follows:

1. The environment at the location of the spawning channel may not produce as many salmon now as it did before the flood plain channel was constructed.
2. Construction of a successful controlled flow channel would correct the previous failure.
3. The benefit cost ratio appears favorable.
4. The location of the channel, close to Ketchikan and close to the cross-island Hollis Klawock road, makes it a natural for show-me trips, public relations, etc.
5. This would be the first management-type spawning channel in the state. At present there are none other than research types.

The benefit cost analysis for the Indian Creek controlled flow channel is given below. The various cost figures include annual maintenance. A more realistic cost figure will be available after design work has been completed.

We would appreciate your comments on the thoughts expressed in this memorandum and the feasibility of a controlled flow channel.

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