

**MEMORANDUM**  
**Water Pollution Control Commission**  
P. O. Box 829  
OLYMPIA, WASHINGTON  
98501

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TO: Harry Tracy

DATE: 3-19-70

FROM: Ron Lee 

SUBJECT: McAleer Creek  
Fish Population Study

On March 11, 1970 Ron Devitt and I conducted a fish population study on McAleer Creek above and below the entrance of a small unnamed stream contaminated with pesticides to determine if the relative abundance of fish decreased downstream from the contaminated tributary. Peterson mark and recovery techniques were used in estimating fish densities at four stations; 1, 5, 6 and 7 (Figure 1). The following results were obtained

Station	Species	Density (fish/yd <sup>2</sup> )
1	Coho	.14
1	Cutthroat	.14
5	Coho	.05
6		0
7	Coho	.35

A section of the stream equaling approximately 3500 square yards was found to be essentially fishless.

Insect larvae samples were collected at all seven stations to evaluate an effect, if any, on benthic food chain organisms. Analyses are presently being conducted.

RL:ah

Figure 1. Schematic drawing of McAlister Creek  
sampling stations.

