

November 8, 1971

MEMORANDUM

TO: Dick Cunningham

FROM: Ron Pine

SUBJECT: Snoqualmie River at Carnation - September 27, 1971 Sample

DATE: November 4, 1971

At your request Norm Thomas and I investigated the subject routine water quality monitoring station on the above date for the purpose of finding an explanation to the low pH and high copper and mercury values found in the sample collected on September 27, 1371.

Samples for heavy metal analysis were collected from the Snoqualmie and Tolt Rivers at Carnation, Griffin Creek south of Carnation and from the upper spring at Camp Gilead. Camp Gilead is located immediately upstream and on the west side of the bridge at the Snoqualmie River Station. Conductivity and temperature measurements were made at each of the stations in-situ. The results were as follows:

Station	Temperature C	Conductivity µmohs		
Snoqualmie River 🤉 Carnation	7.8	<40		
Tolt River @ Carnation	8.3	<40		
Griffin Creek 🍳 Carnation	8.9	48		
Camp Gilead Upper Spring Lower Spring	8.9 8.9	150 160		

Camp Gilead also has a swimming pool but it was drained on September 1, 1971. We poked around various side roads and could find nothing that could explain the high values found in the subject sample. The high conductance of the two springs in Camp Gilead indicate that they may be a factor, but the volume of water involved is so small that I doubt it.

The results of sample analysis are pending.

RP:bj

The following are the analytical reactive from survey conducted at:							- Merley Molall		
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