

PRESQUILE RIVER SAMPLES

In the period January 25 - May 28, 1969, a number of samples were taken from the Presquile River and analyzed for Dissolved Oxygen (DO) and Biochemical Oxygen Demand (BOD). The provisional mean daily discharges as recorded by the Tracey Mills gauging station are included. The DO as "Percent Saturation" has been calculated and is included. It should be noted that the bracketed "Percent Saturation" values have been estimated by assuming a linear variation of river water temperature and time between March 26 and May 28.

An analysis of the data shows that:

- A. of thirty samples for DO
 - thirty percent were less than 75% saturation
 - twenty percent were less than 60% saturation
 - seven percent contained less than 5 p.p.m. DO
- B. of thirty-two samples for BOD
 - eighty-four percent contained more than 2.5 p.p.m. BOD (The latter figure is the average of all BOD determinations of the "Presquile River Base Line Water Quality" study made by the Department of National Health & Welfare in 1965).