

QUALITY OF WATER

POLLUTION

The main stem of the Millers River contains treated effluent from Winchendon, untreated domestic sewerage from South Royalton, Athol, Orange, and Erving and untreated sanitary wastes from industries, industrial wastes from textile mills, foundries, papermills and machine manufacturing concerns. The Otter River, the main southern tributary to the Millers River contains treated effluent from Gardner, untreated sewage from Baldwinville, industrial wastes from textile mills, foundries, papermills and machine manufacturing concerns. Beaver Brook, a small southern tributary having its confluence with the Millers River near South Royalton, receives treated effluent from the Fernald State School in Templeton. For the most part, the other tributaries within the basin are relatively free of pollution. The ground water, unlike the major streams, is not polluted except very locally. Some local domestic wells are moderately high in nitrates and there are local areas of high chloride contamination. The major objectionable constituent in ground water is iron which seems to be excessive in only a few wells in the basin.

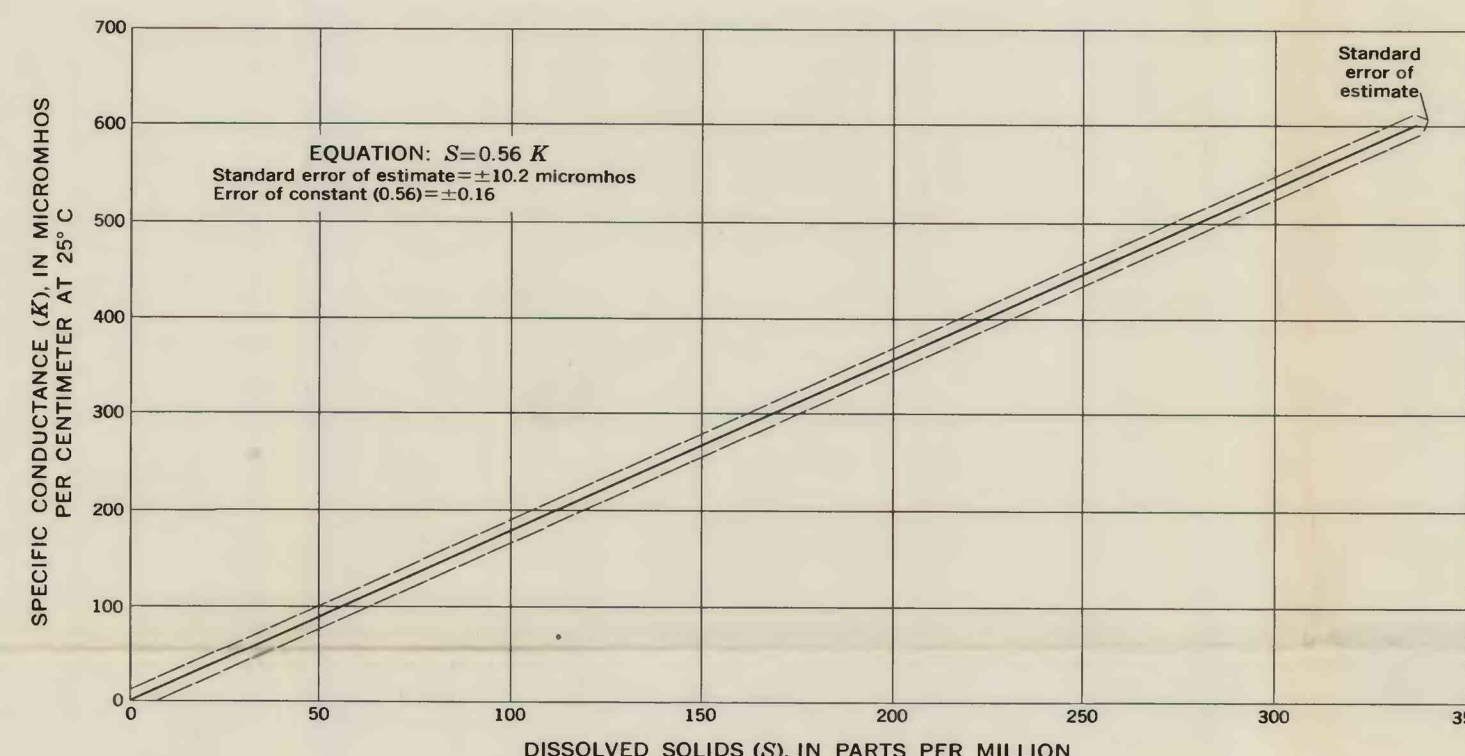


FIGURE 1.—GRAPH SHOWING DISSOLVED SOLIDS-SPECIFIC CONDUCTANCE RELATION. All samples from the four sampling sites, East Branch Tully River near Athol, Millers River at South Royalton, Millers River at Erving and Otter River at Baldwinville, plot as a significant linear regression passing through the origin.

