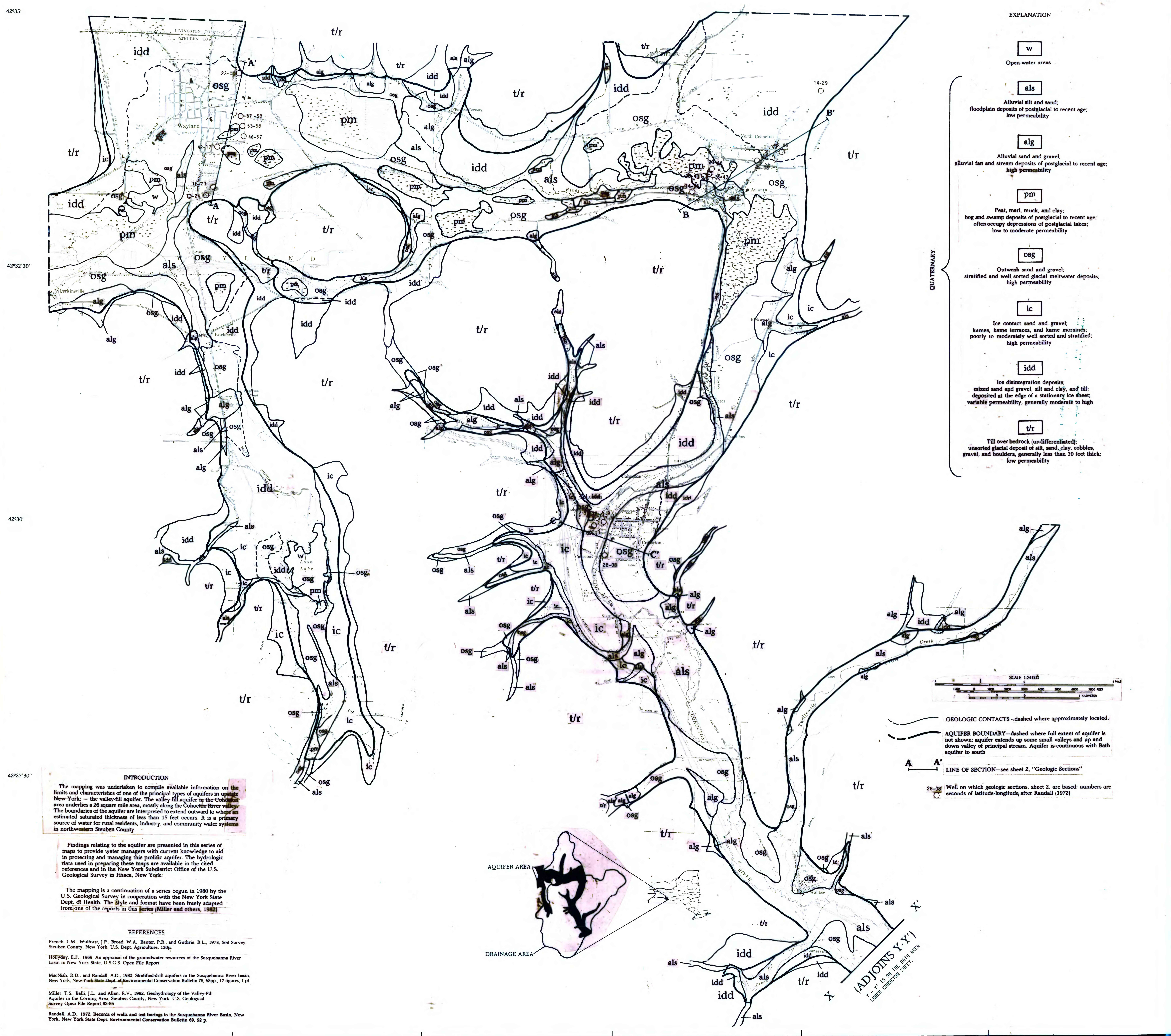


SURFICIAL GEOLOGY

By
David B. Terry and Timothy S. Pagano



INTRODUCTION

The mapping was undertaken to compile available information on the limits and characteristics of one of the principal types of aquifers in upstate New York; — the valley-fill aquifer in the Cohocton area. The valley-fill aquifer underlies a 26 square mile area, mostly along the Cohocton River valley. The boundaries of the aquifer are interpreted to extend outward to where an estimated saturated thickness of less than 15 feet occurs. It is a primary source of water for rural residents, industry, and community water systems in northwestern Steuben County.

Findings relating to the aquifer are presented in this series of maps to provide water managers with current knowledge to aid in protecting and managing this prolific aquifer. The hydrologic data used in preparing these maps are available in the cited references and in the New York Subdistrict Office of the U.S. Geological Survey in Ithaca, New York.

The mapping is a continuation of a series begun in 1980 by the U.S. Geological Survey in cooperation with the New York State Dept. of Health. The style and format have been freely adapted from one of the reports in this series (Miller and others, 1980).

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GEOHYDROLOGY OF THE VALLEY-FILL AQUIFER IN THE COHOCTON AREA, UPPER COHOCTON RIVER, STEUBEN COUNTY, NEW YORK