

This map shows the distribution and thickness of the principal clay unit. The map is based primarily on information from well logs and test-hole logs, the location of which are shown by Hildreth and Keune (1972). The clay unit may consist of a thick, massive bed of relatively pure clay, or it may occur with discrete layers of silt and very fine sand (varved clay). The upper layers of the clay unit commonly grade into a layer of silt and very fine sand. Small, isolated clay deposits not associated with the principal clay unit are not mapped. The principal clay unit commonly overlies a thin layer of fill (hardpan), and is commonly covered with sand or gravel of variable thickness. Locally the clay may overlie or contain lenses of sand or gravel.

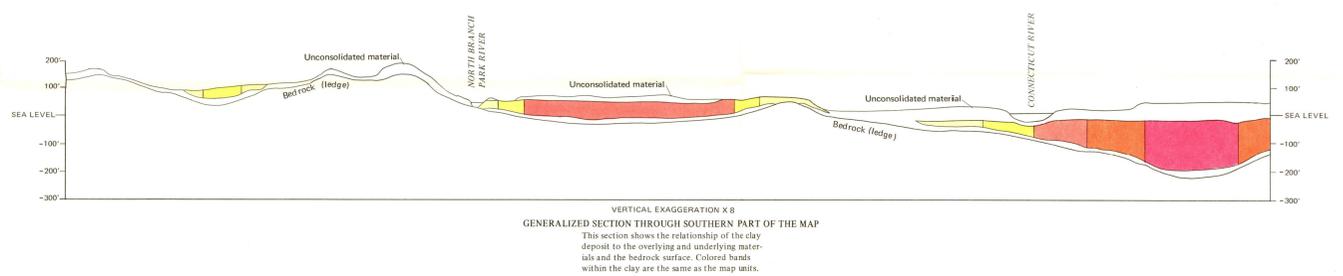
The surface on which the clay was deposited may contain small, irregular depressions or high spots that produce local thickening or thinning of clay; these are not indicated on the map.

REFERENCES

Cushman, R.V., 1963. Geology of the Hartford North quadrangle, Connecticut. U.S. Geol. Survey Quad. Map GQ-223.

Ryder, R.B., and Wess, L.A., 1971. Hydrologic data for the upper Connecticut River basin, Connecticut. Connecticut Water Resources Bull. 25, 54 p.

Hildreth, C.T., and Keune, C.H., 1972. Location of wells and test holes, Hartford North quadrangle, Connecticut. U.S. Geol. Survey Misc. Geol. Inv. Map 1-784 F.



THICKNESS OF PRINCIPAL CLAY UNIT, HARTFORD NORTH QUADRANGLE, CONNECTICUT

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