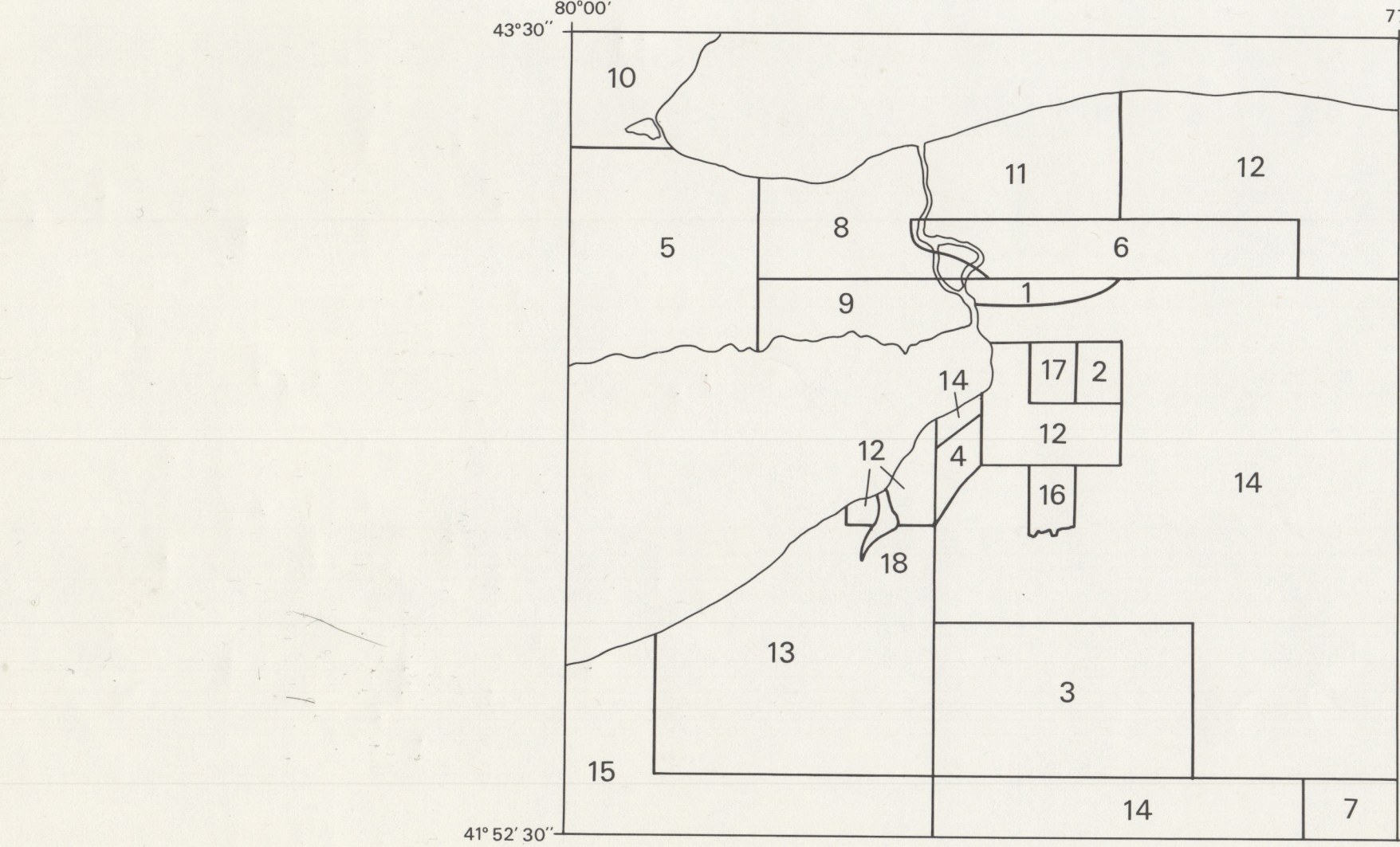
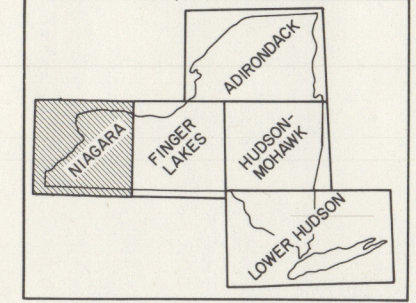


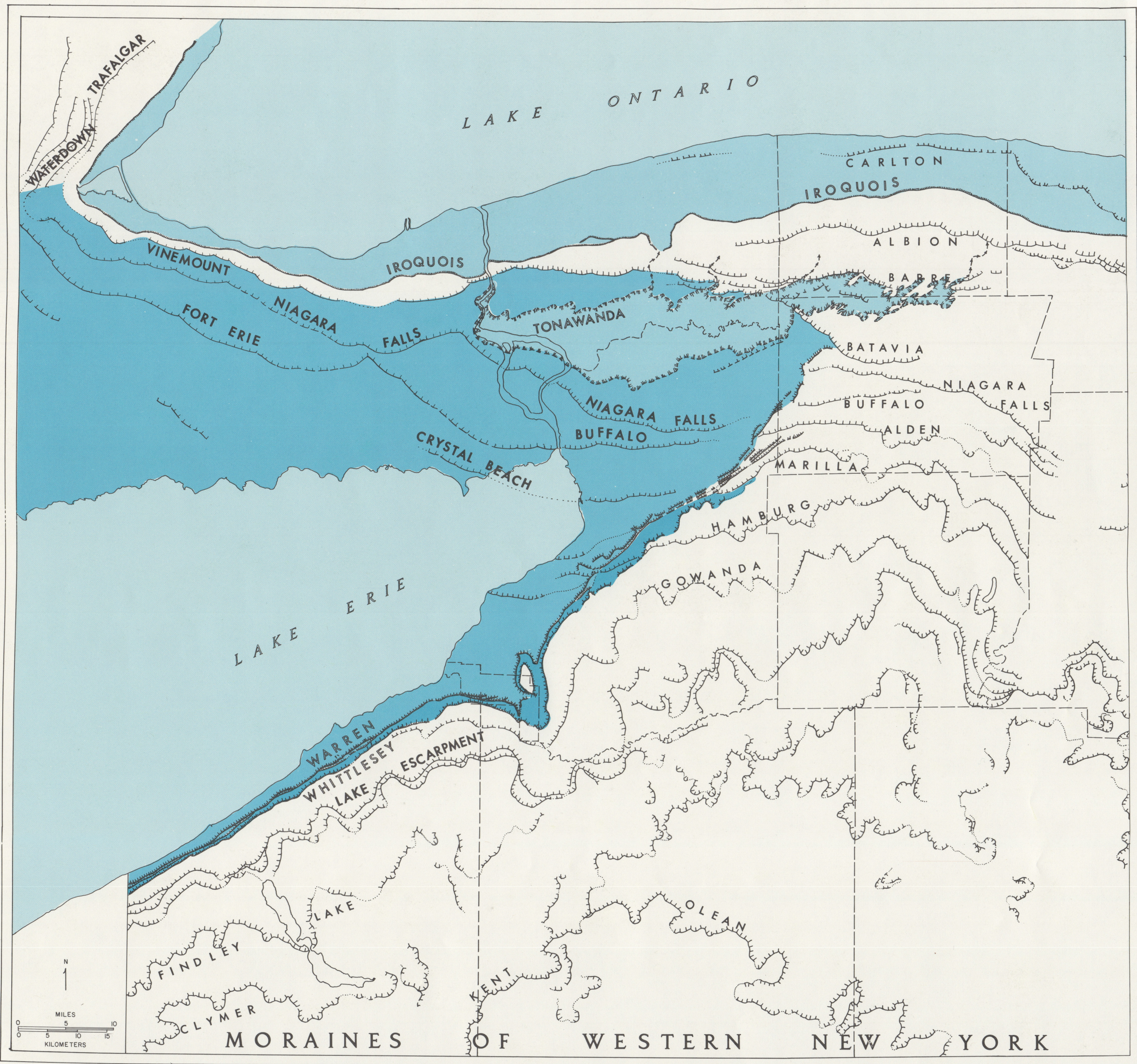
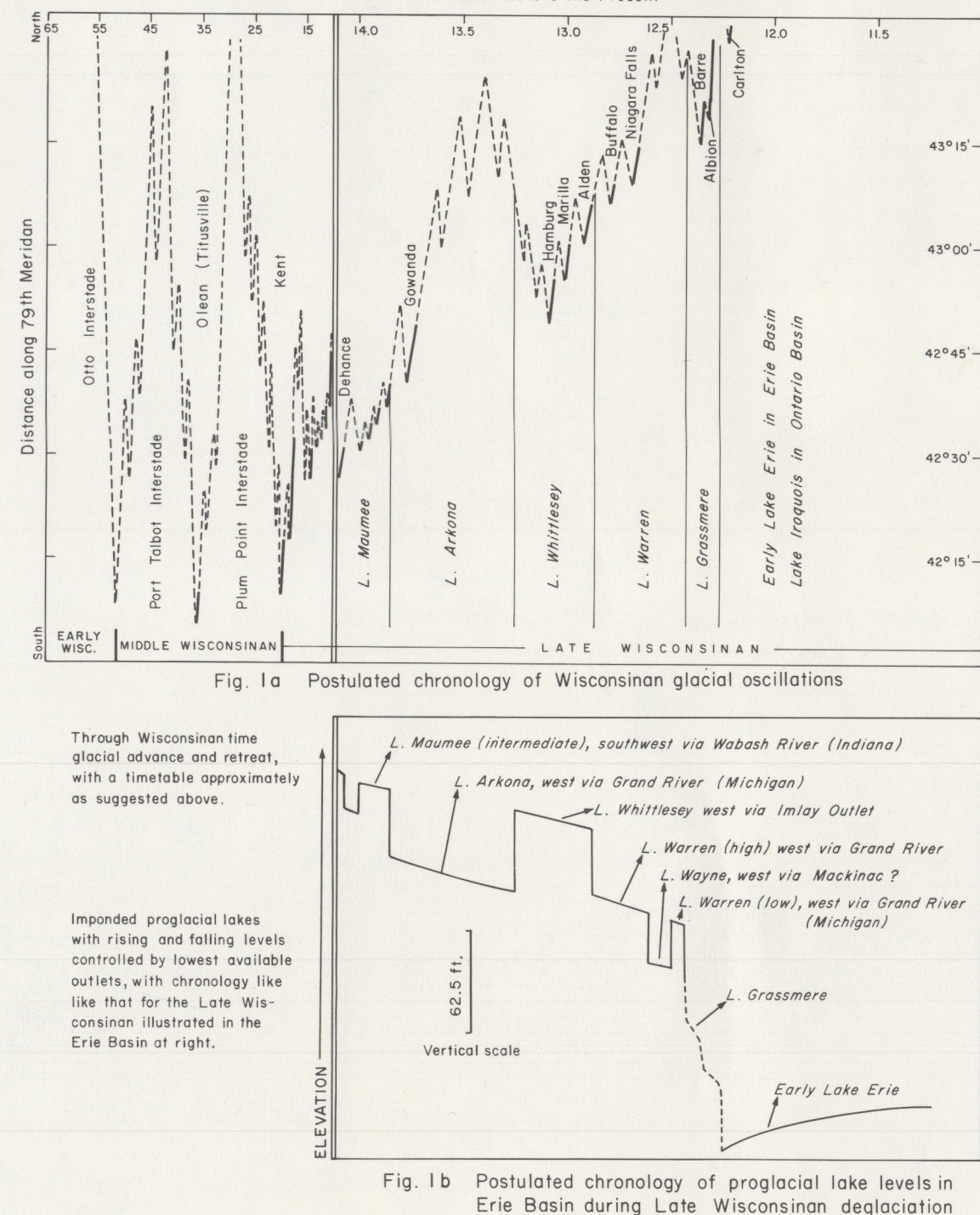
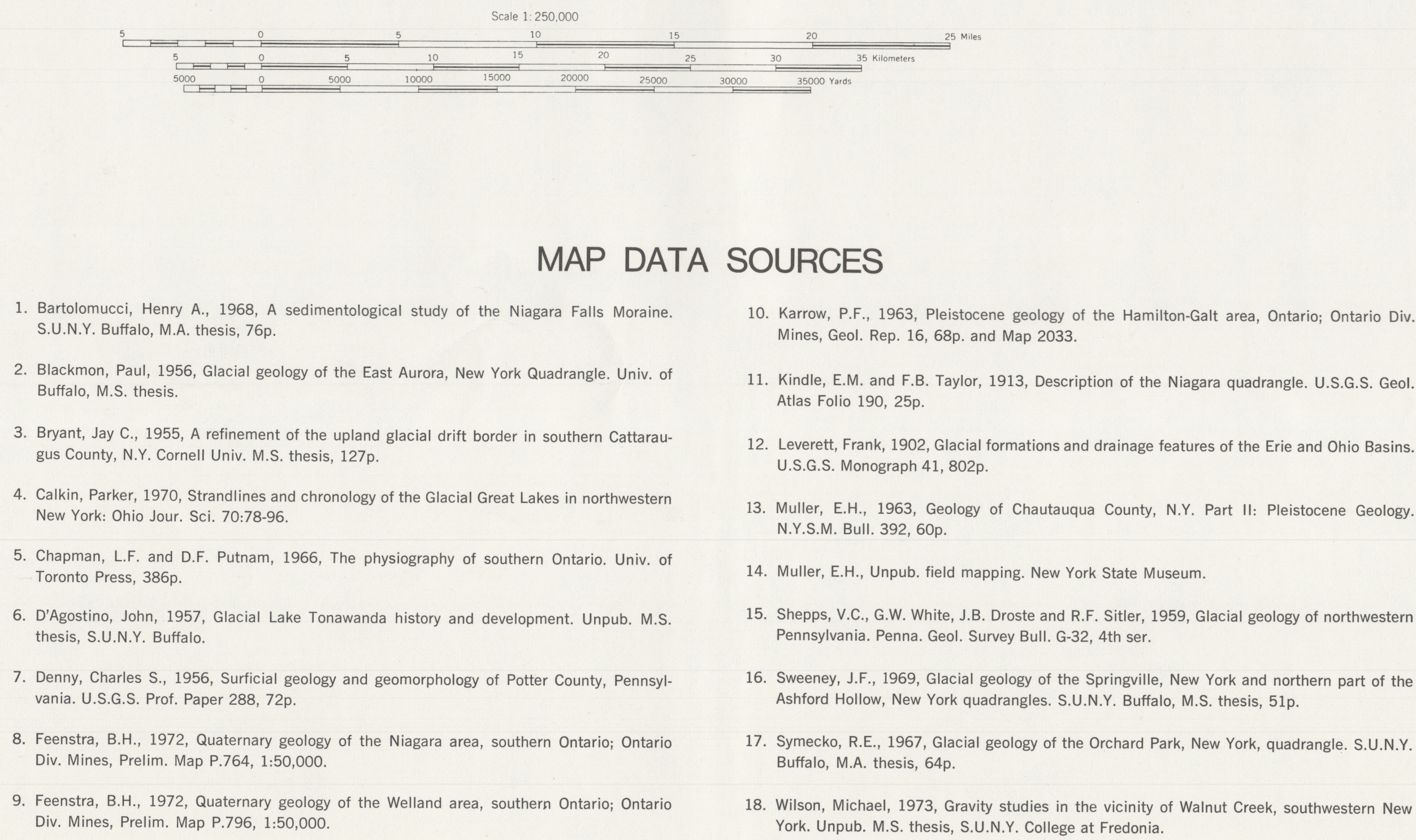


Muller, Ernest H. (1977) New York State Museum and Science Service Map and Chart Series Number 28



QUATERNARY GEOLOGY OF NEW YORK, NIAGARA SHEET by Ernest H. Muller

Compilation completed 1975



GEOMORPHIC HISTORY OF WESTERN NEW YORK

The face of the earth in western New York is like a state upon which has been repeatedly inscribed and effaced the evidence of rapid environmental changes of the Quaternary Period. Landscape evolution, though very slow, is an unending process. Precisely speaking, no landscape is older than the day it is viewed. Yet the impact of past environments on the landscape is so profound that it is visible. The impact of past environments on the landscape is so profound that it is visible. The impact of past environments on the landscape is so profound that it is visible.

PUBLISHED REFERENCES FOR RADIOCARBON DATING

- Blackmon, Paul, 1966, Glacial geology of the East Aurora, N.Y. quadrangle. M.S. thesis, Univ. of Buffalo.
- Buckley, J.D., K.A. Trautman and E.H. Willis, 1968, 100-topographic radio-carbon measurements. V. Radiocarbon 10:246-264.
- Colkin, P.E., 1970, Strandlines and chronology of the glacial retreat in northwestern New York. Ohio Jour. Sci. 70:78-96.
- Crane, H.R. and J.B. Griffin, 1959, University of Michigan Radiocarbon Dates VI. Radiocarbon Suppl. 1:173-198.
- Drost, J.E., Meyer Rubin and G.W. White, 1959, Age of glacial Wisconsin drift in Ohio, northwestern Pennsylvania. Science 130:461-478.
- Hartung, C.A. and S.C. Bishop, 1972, The mastodons, mammoths and other Pleistocene mammals of the Erie Basin. N.Y.S.M. Bull. 241:242-110p.
- Heubach, C.A., 1959, Mastodons and mammoths in western New York. Science 130:461-478.
- Holladay, Garrett G. 1975, Surficial geology of the Colden Quadrangle, western New York. Unpub. M.S. Thesis, Univ. of Massachusetts.
- Jen, P.C., Betty Levin, R.D. Robinson and Meyer Rubin, 1964, U.S. Geological Survey Radiocarbon Dates VII. Radiocarbon 8:61-96.
- Karrow, P.F. and J. Terasma, 1970, Pollen-bearing sediments of the St. Davids buried valley III at the Whipple, Niagara River Gorge, Ontario, Can. Jour. Earth Sci. 7:539-542.
- Karrow, P.F., J.P. Clarke and J. Terasma, 1961, The age of Lake Iroquois and Lake Ontario. Jour. Geol. 69:659-677.
- MacClintock, Paul and E.T. Apple, 1944, Correlation of the drifts of the Salamanca area, western New York. Geol. Soc. America Bull. 55:1143-1164.
- Merritt, R.S. and E.H. Muller, 1959, Depth of washing in relation to carbonate content of till in central New York State. Am. Jour. Sci. 257:465-480.
- Miller, R.G., 1973, Late glacial and postglacial vegetation changes in southwestern New York. N.Y.S.M. Bull. 425:102-109.
- Miller, R.G., 1973, Late glacial plants and plant communities in northwestern New York State. Jour. Arnold Arboretum 53:123-152.
- Muller, E.H., 1962, Glacial geology of Cattaraugus County, N.Y. Glaciation 23rd Reunion, Friends of Pleistocene, Geol. Soc. Ont. 33p.
- Muller, E.H., 1963, Geology of Chautauque County, New York, Part II: Pleistocene geology. N.Y.S.M. Bull. 392, 60p.
- Muller, E.H., 1964, Quaternary section of Ohio, New York, and Pennsylvania. Science 146:478-480.
- Rubin, Meyer and Corinne Alexander, 1957, U.S. Geological Survey Radiocarbon Dates V. Radiocarbon 12:1474-1487.
- Rubin, Meyer and Corinne Alexander, 1960, U.S. Geological Survey Radiocarbon Dates VI. Radiocarbon 13:846-88.
- Rubin, Meyer and S.M. Berthold, 1961, U.S. Geological Survey Radiocarbon Dates II. Science 122:481-488.
- Stuiver, Minze, 1960, Yale Radiocarbon Dates I. Radiocarbon Suppl. 2:49-61.
- Suess, Hans, 1954, U.S. Geological Survey Radiocarbon Dates I. Science 120:467-473.
- Walton, Allen, M.A. Trautman and J.P. Friend, 1961, Isotopes, etc. Radiocarbon Dates I. Radiocarbon 12:47-59.
- White, G.W., M.S. Tabor and D.L. Gross, 1969, Pleistocene stratigraphy of northwestern Pennsylvania. Penn. Geol. Survey Geol. Rep. 255, 10p.
- Young, R.A. and W.D. Rhodes, 1973, Late glacial and post-glacial geology of the Genesee Valley in Livingston County, New York. N.Y. State Geol. Assoc. 45th Ann. Mtg. Guidebook, E-17.