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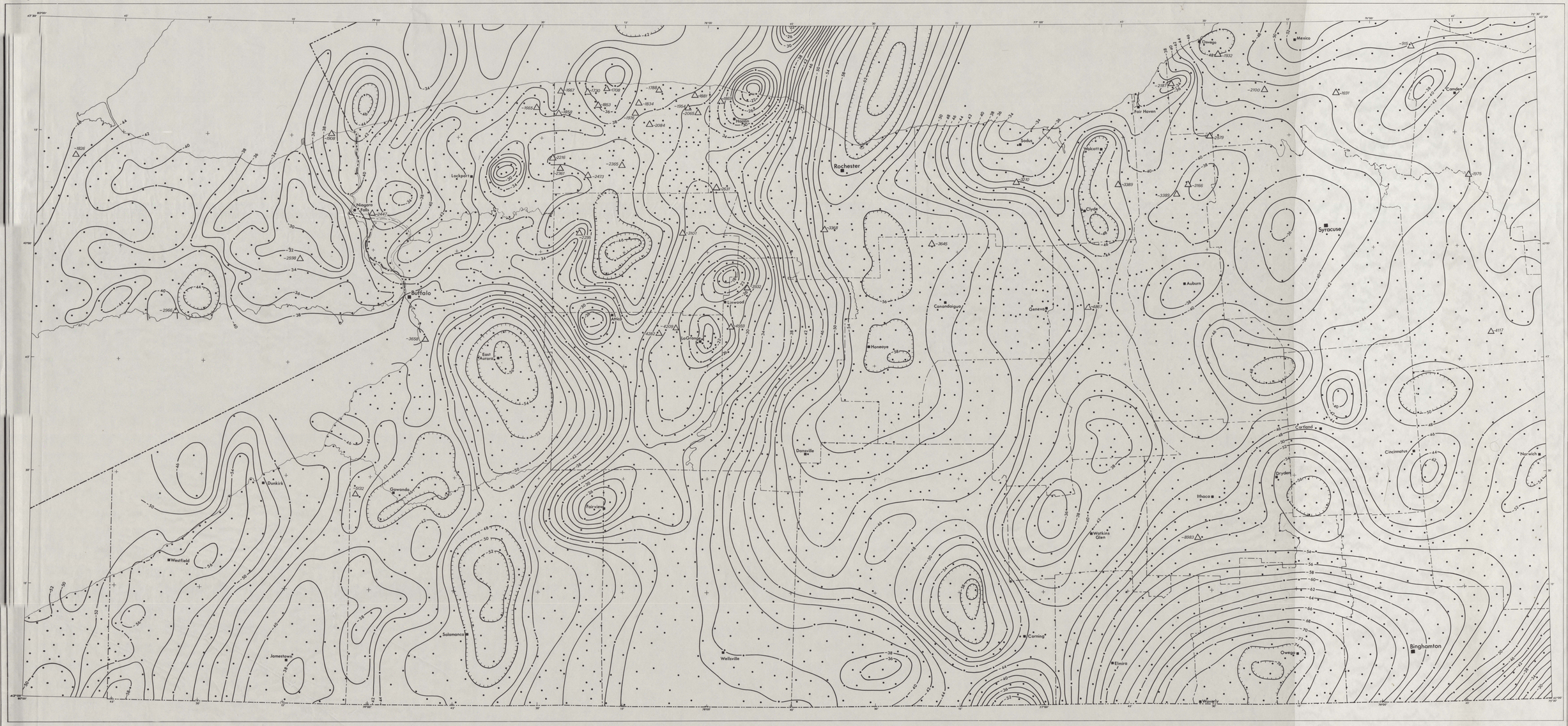
NEW YORK STATE MUSEUM AND SCIENCE SERVICE
Hugo Jamnback, Director

GEOLOGICAL SURVEY
James F Davis, State Geologist



Simple Bouguer Gravity Anomaly Map of Western New York

(Covers area of Niagara and Finger Lakes Sheets of the 1961 and 1970 Editions of the Geologic Map of New York)

Frank A. Revetta and William H. Diment

Compiled 1971

SCALE 1:250,000

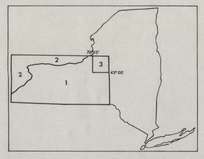
0 5 0 10 15 20 30 MILES
0 5 0 10 15 20 25 30 KILOMETERS

DATA SOURCES

1 Data collected by authors with the assistance of A. L. Baldwin, Allan Cooper, Peter Kranz, Arthur Prince, Marian Weaver, T. C. Urban, E. D. Saunders, Kenneth Gaertel.

2 Data contributed by Allan Goodacre of the Dominion Observatory, Ottawa, Canada.

3 Data for quadrangles (Mexico, Keeseg, Taberg, Syracuse, Chittenango, Oneida) from Simmons (Geol. Soc. Amer. v. 75, p. 81-98, 1964).



LEGEND

Gravity Station

-40 Gravity Anomaly Contour

-2740 Basement well, with elevation of Precambrian surface in feet below sea level

Contour interval 2 milligals

New York State Museum and Science Service
Geological Survey, Map and Chart Series No. 17
1971

This work was supported by the New York State Museum and Science Service and by National Science Foundation grants GA-947, GP-5225 and GA-27547.

Gravity values based on an observed gravity of 980,118.00 milligals for the U.S. Coast and Geodetic Survey Station Washington A.

TRANSVERSE MERCATOR PROJECTION

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Simple Bouguer Gravity Anomaly Map of Northern New York

(Covers area of Adirondack Sheet of the 1961 and 1970 editions of the Geologic Map of New York)

Gene Simmons and W. H. Diment

Compiled 1972

SCALE 1:250,000

5 0 5 10 15 20 MILES
5 0 5 10 15 20 25 30 KILOMETERS

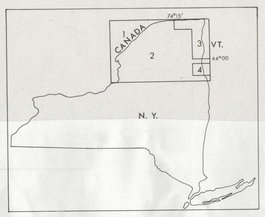
DATA SOURCES

1 L.G.D. Thompson and A.H. Miller (Dominion Observatory Ottawa Pubs., v. 19, p. 321-378, 1958).

2 Gene Simmons (Geol. Soc. Amer., v. 75, p. 81-98, 1964).

3 W.H. Diment (Studies of Appalachian Geology: Northern and Maritime, p. 399-413, John Wiley and Sons, 1968, and unpublished).

4 R. J. Bean (Geol. Soc. Amer., v. 64, p. 509-538, 1953).



LEGEND

- Gravity Station
- -40 — Gravity Anomaly Contour, dashed where approximate. Hachured contour indicates gravity low.
- △279 Basement well, with elevation of Precambrian surface relative to sea level.

Contour interval 2 Milligals

New York State Museum and Science Service
Geological Survey, Map and Chart Series No. 17A
1973
(Companion Gravity Maps Are Nos. 17, 17B, 17C)

This work was supported by the New York State Museum and Science Service and by National Science Foundation grants GA-947, GP-5225 and GA-27547.

Gravity values based on an observed gravity of 980, 118.00 milligals for the U.S. Coast and Geodetic Survey Station Washington A. Density of 2.67 gm/cm³ assumed for reduction to sea level.

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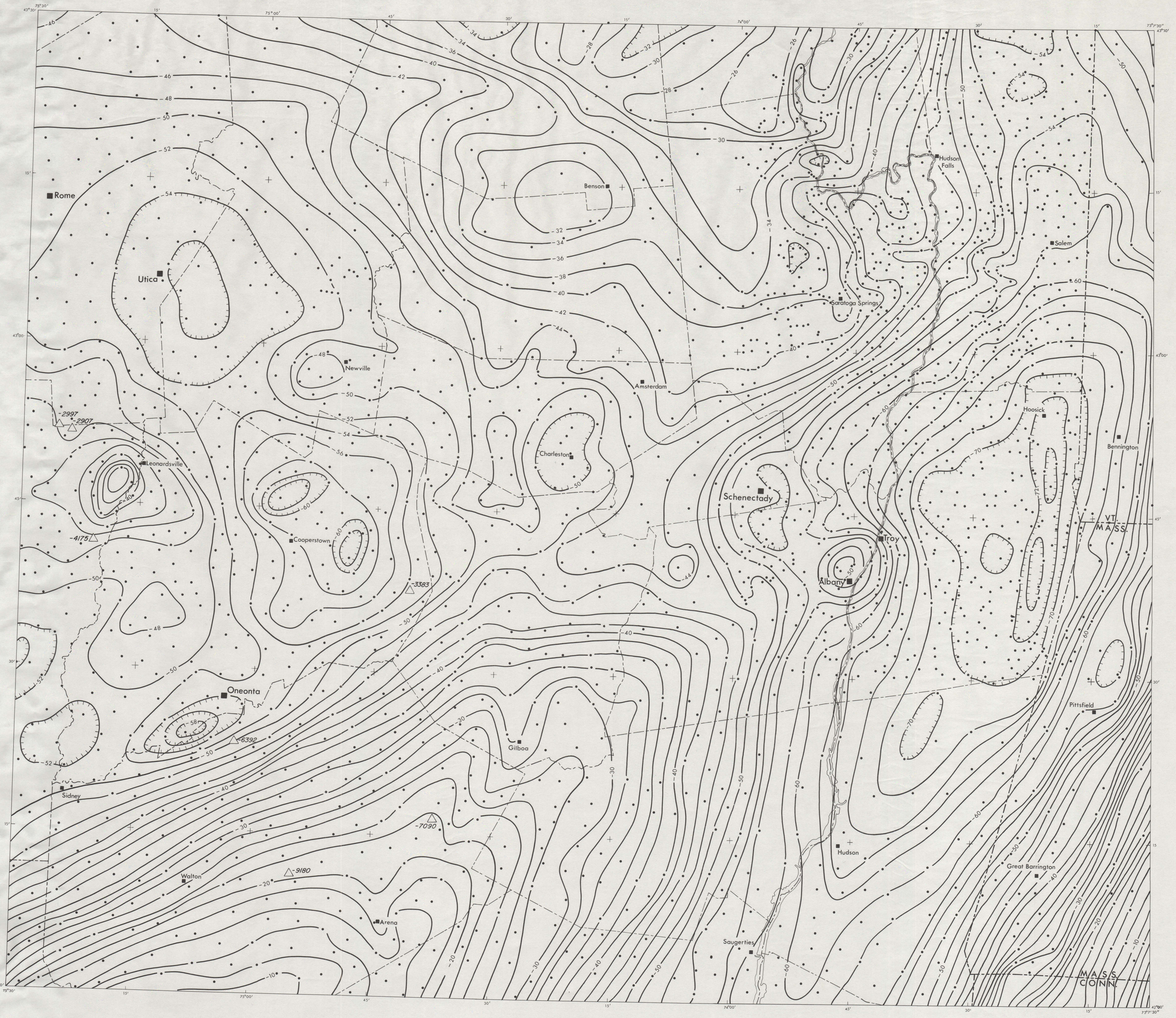
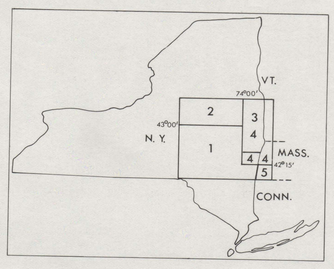


DATA SOURCES

1. F. A. Revetta, W. H. Diment, E. D. Saunders, K. A. Goettel and M. J. Goettel
2. Gene Simmons (Geol. Soc. Amer. v. 75 p 81-98, 1964).
3. C. O. Porter (unpublished).
4. W. H. Diment (Ph. D. Thesis, Harvard University, 1953).
5. R. W. Bromery (U.S. Geol. Survey, Geophys. Inv. GP-612, 1967).



Simple Bouguer Gravity Anomaly Map of East-central New York

(Covers area of Hudson-Mohawk Sheet of 1961 and 1970 editions of the Geologic Map of New York)

W. H. Diment, F. A. Revetta, C. O. Porter and G. Simmons

Compiled 1972

SCALE 1:250,000

5 0 5 10 15 20 MILES
5 0 5 10 15 20 25 30 KILOMETERS

LEGEND

- Gravity Station
- -40- Gravity Anomaly Contour; hachured contour indicates gravity low.
- △-7058 Basement well, with elevation of Precambrian surface in feet below sea level

Contour interval 2 milligals

New York State Museum & Science Service
Geological Survey, Map and Chart Series No. 17B
1973
(Companion Gravity Maps Are Nos. 17, 17A, 17C)

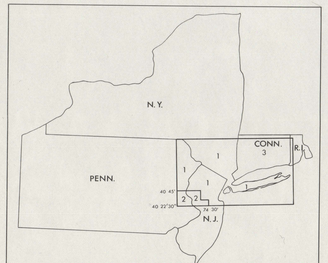
This work was supported by the New York State Museum and Science Service and by National Science Foundation grants GA-947, GP-5225 and GA-27547.

Gravity values based on an observed gravity of 980,118.00 milligals for the U.S. Coast and Geodetic Survey Station Washington A. Density of 2.67 gm/cm³ assumed for reduction to sea level.

TRANSVERSE MERCATOR PROJECTION

DATA SOURCES

1. Data collected by authors with assistance of O. H. Muller and K. Goettel.
2. Contours generalized, from W. E. Bonini (Bouger Gravity Anomaly Map of New Jersey Geologic Report Ser. No. 9, N. J. Geological Survey, Dept. Conservation and Economic Development, Trenton, New Jersey, 1965.)
3. R. W. Bromery (U. S. Geol. Survey GP Map, in press.



Simple Bouguer Gravity Anomaly Map of Southeastern New York and Contiguous States

(Covers area of Lower Hudson Sheet of the 1961 and 1970 Editions of the Geologic Map of New York)

T. C. Urban, R. W. Bromery, F. A. Revetta and W. H. Diment

Compiled 1972

SCALE 1:250,000

5 0 5 10 15 20 MILES
5 0 5 10 15 20 25 30 KILOMETERS

LEGEND

- Gravity Station
- ~40~ Gravity Anomaly Contour, dashed where approximate. Hachured contour indicates gravity low.

Contour interval 2 milligals

New York State Museum and Science Service
Geological Survey, Map and Chart Series No. 17C
1973
(Companion Gravity Maps Are Nos. 17, 17A, 17B)

This work was supported by National Science Foundation Grants GA-947, GP-5225, and GA-27327 and the New York State Museum and Science Service.

Gravity values based on an observed gravity of 980,118.00 milligals for the U. S. Coast and Geodetic Survey Station Washington A. Density of 2.67 gm/cm³ assumed for reduction to sea level.

TRANSVERSE MERCATOR PROJECTION