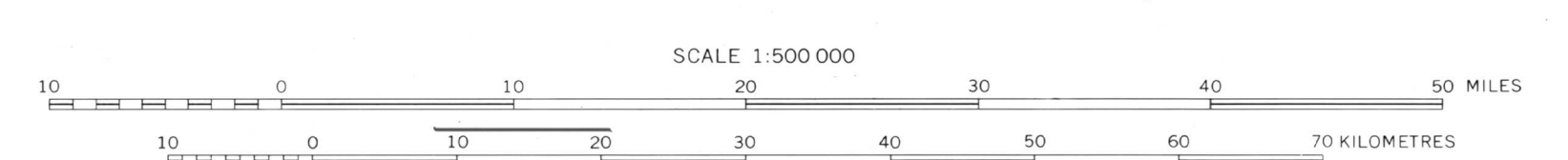
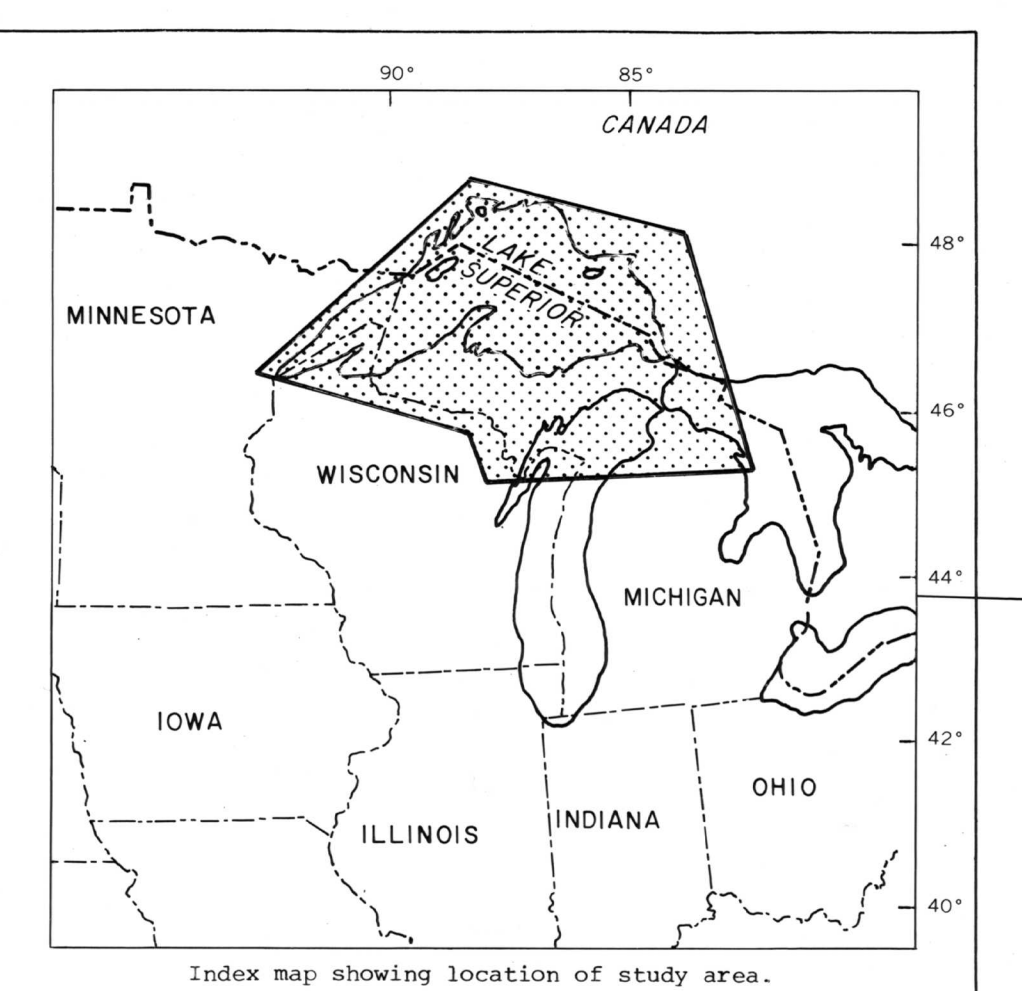
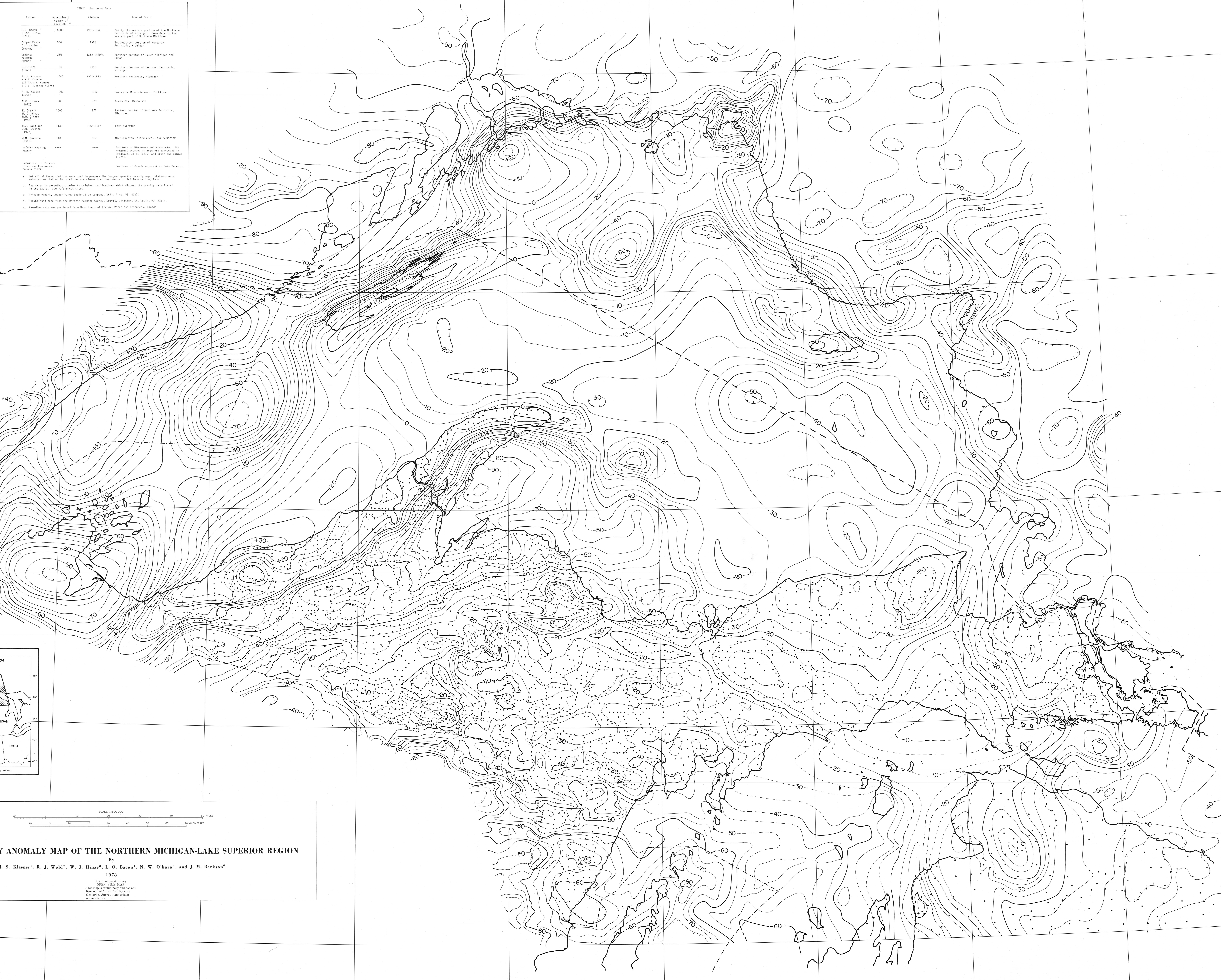


EXPLANATION
Bouguer gravity anomaly contours—Contour interval 5 milligals; hachure indicate areas of lower gravity
• Location of gravity station

TABLE 1. Source of data

Author	Approximate number of stations	Year	Area of study
L. D. Bacon (1957, 1976, 1978)	4000	1957-1978	Mostly the western portion of the Northern Peninsula of Michigan; some data in the eastern part of Northern Michigan
Cooper Range Geophysical Company (1957)	500	1957	Northwestern portion of Lower Michigan Peninsula, Michigan
Ontario Mapping Service (1967)	250	1967	Northern portion of Lower Michigan and Huron
W. J. Wild (1967)	100	1967	Northern portion of Southern Peninsula, Michigan
J. S. KLASNER and J. W. WILD (1978)	1000	1971-1975	Northern Peninsula, Michigan
W. A. Miller (1964)	300	1962	Porcupine Mountain area, Michigan
N. W. O'Hara (1972)	100	1970	Green Bay, Wisconsin
C. Drey & W. J. Wild (1977)	1000	1971	Eastern portion of Northern Peninsula, Michigan
R. J. Berkson and J. S. KLASNER (1977)	1100	1965-1967	Lake Superior
J. W. Berkson (1967)	160	1967	Michipicoten Island area, Lake Superior
Defense Mapping Agency	—	—	Portions of Wisconsin and Minnesota; the original source of data are discussed in references, et al. (1973) and Bacon and Bacon (1974)
Department of Geology, Mines and Resources, Canada (1974)	—	—	Portions of Canada adjacent to Lake Superior (Canada 1974)

REFERENCES
Bacon, L. D., 1957, Relationship of gravity to geological structure in Michigan's upper peninsula, 3rd Ann. Institute on Lake Superior geology, Houghton, Mich., p. 58-68.
Bacon, L. D., 1976, Bouguer gravity map, western half of Michigan's upper peninsula, 6th U.S. Geol. Surv. Institute on Lake Superior Geology, Houghton, Mich., p. 33.
Bacon, L. D., 1978, Bouguer gravity anomaly map of the upper peninsula, Michigan: Map 3, Michigan Technological University area, Houghton, MI 49931.
Berkson, J. W., 1969, A gravity survey in the vicinity of Michipicoten Island, Lake Superior: M.S. Thesis, University of Wisconsin, Madison, 57 p.
Cannon, W. F., and KLASNER, J. S., 1976, Geological map and geophysical interpretation of the western Lake Superior, Huron, Iron, and Soudan Counties, Michigan, U.S. Geol. Survey, Investigation Series Map 1-587.
Crawford, Campbell, Moore, Harold W. and Holmstrom, Victoria, 1970, 1:50,000 Bouguer gravity map of Minnesota and northeastern Wisconsin: Geological Survey, Misc. Map Series, Map M-10, University of Minnesota, Minneapolis.
Department of Energy, Mines and Resources, Canada, Earth Physics Branch, 1974, Bouguer Anomaly Map of Canada: Gravity Map Series, No. 41.
Ervin, C. Harris, and Ranner, Sigurd, 1974, Bouguer Anomaly Gravity Map of Wisconsin: Geological and Topographical Survey, University of Wisconsin-Extension, Madison.
Hinze, W. J., 1961, Regional gravity and magnetic anomaly maps of the northern peninsulas of Michigan: Mich. Geol. Survey, Rept. Ser. 28, 28 p.
International Assoc. of Geodesy, 1971, Geodetic Reference System, 1967: International Assoc. Geodesy Spec. Pub. No. 3, 116 p.
KLASNER, J. S., and Cannon, W. F., 1974, Geologic interpretation of gravity profiles in the western Michigan District, Northern Michigan: Geol. Soc. Amer. Bull., v. 85, p. 713-721.
Miller, W. A., 1966, A gravity investigation of the Porcupine Mountain and adjacent area, Ontonagon and Soudan Counties, Michigan: M.S. Thesis, Michigan State University, East Lansing, 67 p.
Morelli, C. (ed.), 1974, The international gravity standardization net 1971: International Assoc. Geodesy Spec. Pub. No. 4, 198 p.
O'Hara, N. W., 1972, A regional geophysical investigation of the Green Bay area: 14th Conf. Great Lakes Res.: Proc., International Assoc. Great Lakes Research, p. 352-367.
Drey, C., Hinze, W. J., and O'Hara, N. W., 1973, Gravity and magnetic evidence for the eastern termination of the Lake Superior syncline: Geol. Soc. America Bull., v. 84, no. 770-770.
Wild, R. J., and Berkson, J. W., 1977, Bouguer gravity anomaly map of Lake Superior: U.S. Geological Survey, Miscellaneous Field Studies Map, MF-584.



BOUGUER GRAVITY ANOMALY MAP OF THE NORTHERN MICHIGAN-LAKE SUPERIOR REGION
By
J. S. KLASNER, R. J. Wild, W. J. Hinze, L. O. Bacon, N. W. O'Hara, and J. M. Berkson
1978
U.S. Geological Survey
OPEN FILE MAP
This map is preliminary and has not been edited for conformity with Geological Survey standards of presentation.