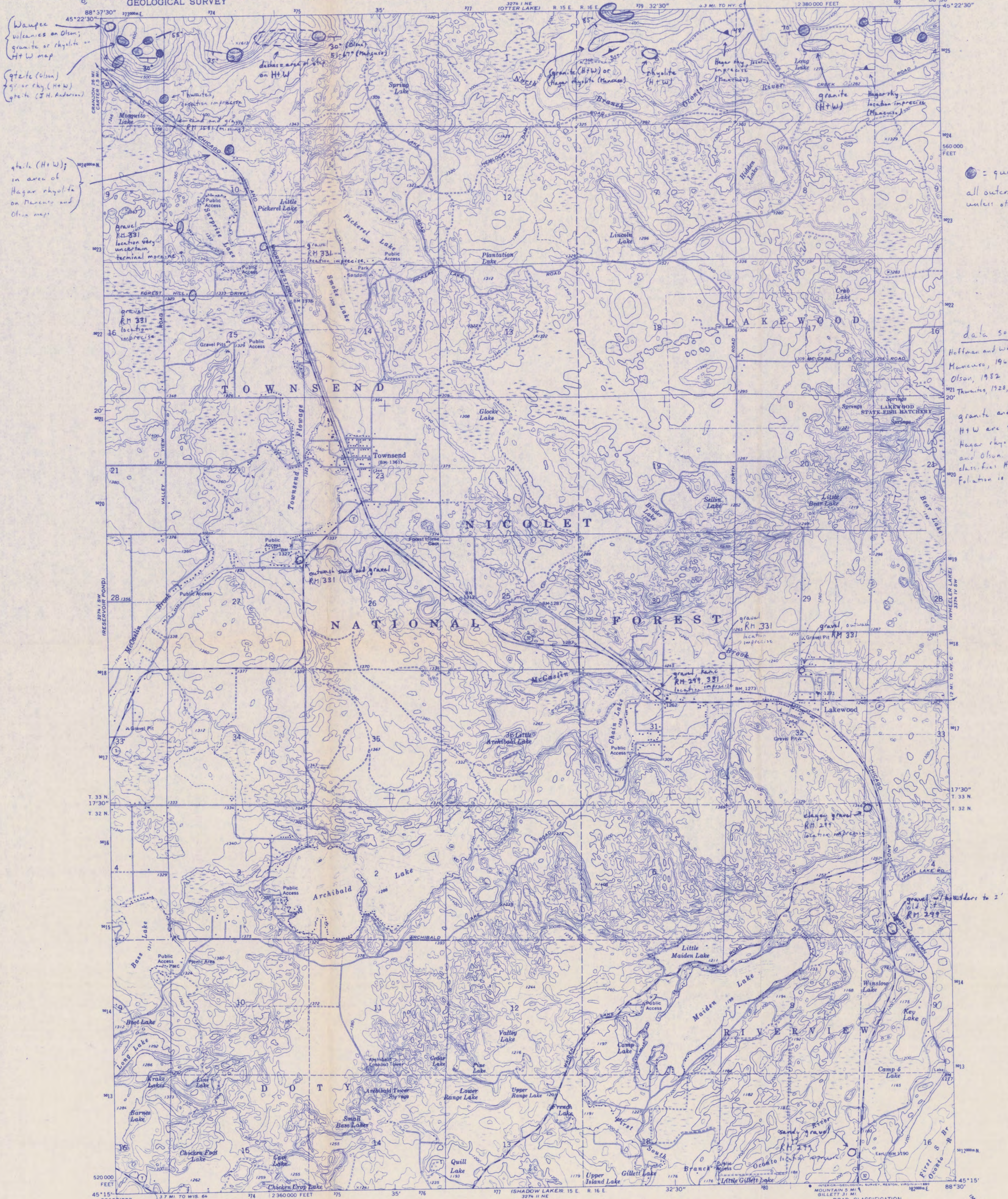


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

data from: J.M. Olson, 1982, MS thesis; and F.V. Hoffman and
O.W. Wheelwright, 1943, map of McCaslin Mountain area (H+W); Mancuso, 1940, Ph.D. thesis
Outcrop locations imprecise - Olson given procedure over H+W for outcrop locations and rock names

TOWNSEND QUADRANGLE
WISCONSIN-CONTO CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
SE 1/4 WABEND 15 QUADRANGLE

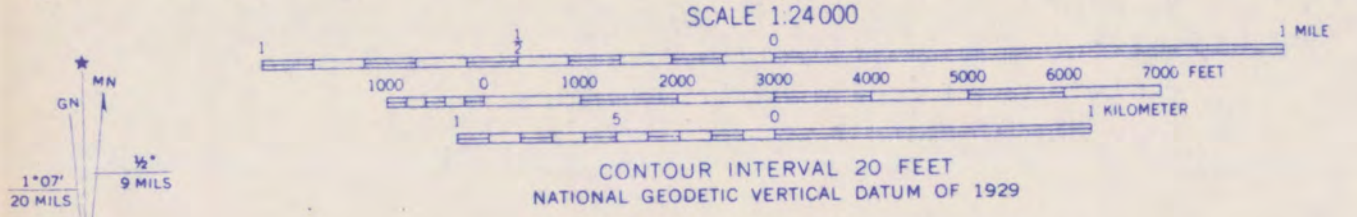


Waupee
volcanics on Olson;
granite or rhyolite on
H+W map
qtzite (Olson)
g or rhy (H+W)
granite (J.H. Anderson)

● = quartzite
all outcrops are quartzite
unless otherwise labelled

data sources - see above also
Hoffman and Wheelwright, 1943 (H+W)
Mancuso, 1940
Olson, 1982
Thurman, 1928, heretofore notes
granite and rhyolite of
H+W are same rock as
Hagar rhyolite of Mancuso
and Olson. Lawford Anderson
classifies Hagar as intrusive.
Foliation is igneous.

Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Topography by photogrammetric methods from aerial
photographs taken 1971. Field checked 1972
Hydrography compiled from information furnished by
Wisconsin Department of Natural Resources
Projection and 10,000-foot grid ticks: Wisconsin coordinate
system, central zone (Lambert conformal conic)
1000-meter Universal Transverse Mercator grid ticks,
zone 16, shown in blue. 1927 North American datum
Fine red dashed lines indicate selected fence and field lines where
generally visible on aerial photographs. This information is unchecked
To place on the predicted North American Datum 1983
move the projection lines 6 meters north and
8 meters east as shown by dashed corner ticks



ROAD CLASSIFICATION
Primary highway, hard surface
Secondary highway, hard surface
Unimproved road
Interstate Route
U S Route
State Route
Light duty road, hard or improved surface
Unimproved road

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80226, OR RESTON, VIRGINIA 22092
AND WISCONSIN GEOLOGICAL AND NATURAL HISTORY SURVEY, MADISON, WISCONSIN 53706
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

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