UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF NEW YORK
DEPARTMENT OF PUBLIC WORKS

MASSENA QUADRANGLE
NEW YORK—ONTARIO
7.5 MINUTE SERIES (TOPOGRAPHIC)
NW/4 MASSENA 15' QUADRANGLE

U.S.G.S.
FILE COPY
TOPOGRAPHIC DIVISION

Mapped, edited, and published by the Geological Survey

Control by USGS, USC&GS, U. S. Lake Survey, and International Boundary Commission

Topography by photogrammetric methods from aerial photographs taken 1963. Field checked 1964
Canadian portion mapped by the Surveys and Mapping Branch, Dept. of Mines and Technical Surveys 1964

Selected hydrographic data compiled from U. S. Lake Survey Charts 11 (1962) and 12 (1962). This information is not intended for navigational purposes

Polyconic projection. 1927 North American datum
10,000-foot grid based on New York coordinate system, east zone
1000-meter Universal Transverse Mercator grid ticks, zone 18, shown in blue

Red tint indicates areas in which only landmark buildings are shown
Fine red dashed lines indicate selected fence and field lines where generally visible on aerial photographs. This information is unchecked

UTM GRID AND 1964 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL
DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS RIVER SURFACE AT FOLLOWING STAGES:
BELOW IROQUOIS LOCK 239.7 FEET AND ABOVE EISENHOWER LOCK 237.5 FEET

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, WASHINGTON, D. C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

USGS
Historical File
Topographic Division

NEW YORK
QUADRANGLE LOCATION

ROAD CLASSIFICATION
Heavy-duty — Light-duty
Medium-duty — Unimproved dirt
State Route

MASSENA, N. Y.—ONT.
NW/4 MASSENA 15' QUADRANGLE
N4452.5—W7452.5/7.5

1964

AMS 6073 IV NW—SERIES V821

2865
JUL 20 1966

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1966