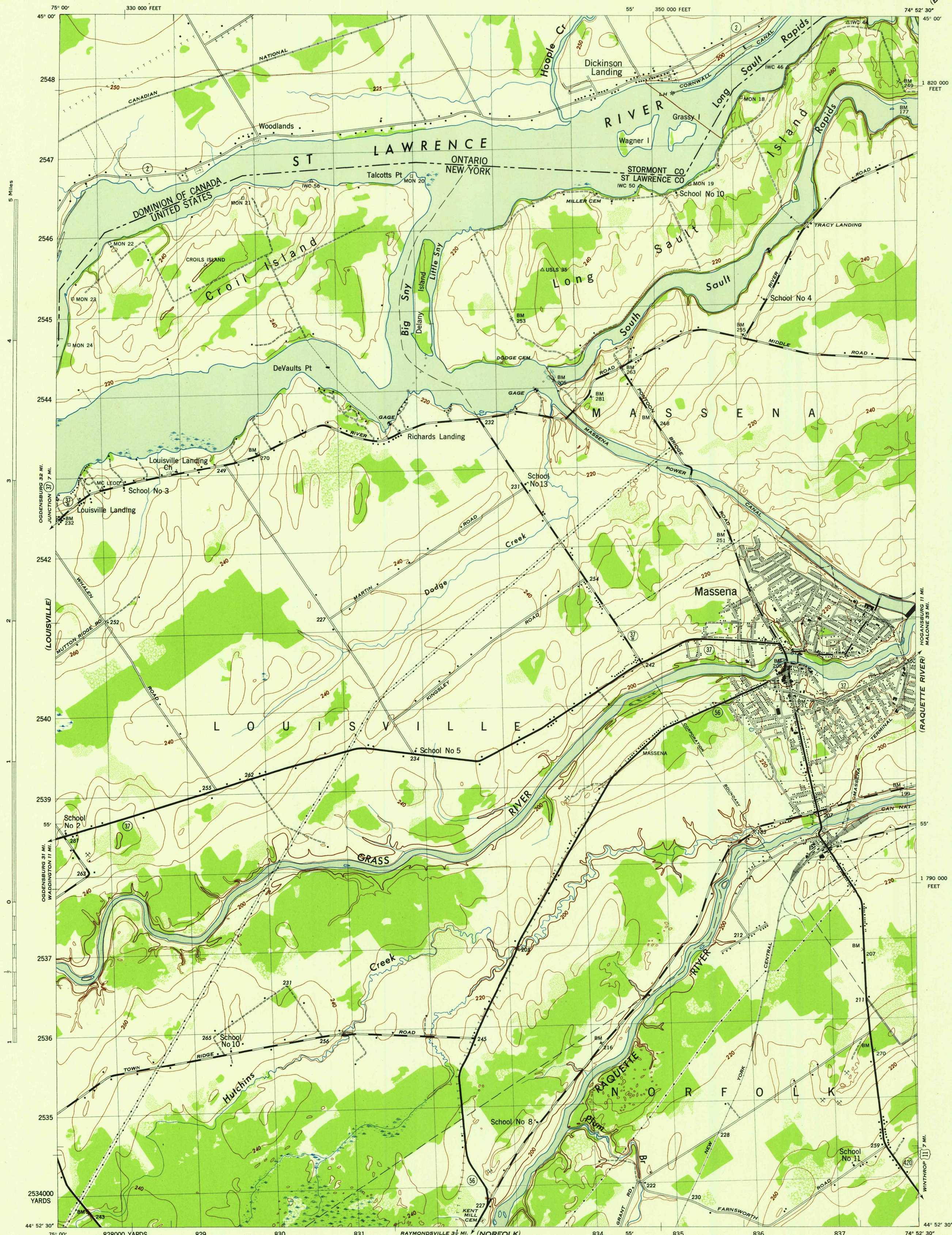


NEW YORK-ONTARIO 1:31,680

WAR DEPARTMENT  
CORPS OF ENGINEERS, U. S. ARMY

MASSENA QUADRANGLE  
7½-MINUTE SERIES

(BARNHART ISLAND)



Maped by Tennessee Valley Authority under direction of the Chief of Engineers, U. S. Army, 1942.  
Control by USC&GS, USGS, U. S. Lake Survey, International Waterways Commission, and TVA.  
Topography by Tennessee Valley Authority plane-table surveys.  
Culture and drainage in part compiled from aerial photographs.  
Wide-angle photography by TVA, 1942.  
Polyconic projection, 1927 North American datum.  
Canadian topography projected from maps of Canadian Department of National Defense, 1904. Revised 1937.  
Canadian planimetry revised from aerial photographs, 1942. Not field inspected.

**ROAD CLASSIFICATION**

Dependable hard-surface, heavy-duty road. ——— U. S. Route 11  
Loose-surface graded, dry weather road. ——— State Route 56  
Secondary, hard-surface, all-weather road. ———  
Dirt road. ———  
More than two lanes indicated by note along road with tick at point of change. 3 LANE, 4 LANE

THIS MAP COMPLEIES WITH THE NATIONAL STANDARD MAP ACCURACY REQUIREMENTS.

Scale 1:31,680

ONE THOUSAND YARD GRID COMPUTED FROM "GRID SYSTEM FOR PROGRESSIVE MAPS IN THE U. S." ZONE A, U. S. C. & G. S. SPECIAL PUBLICATION NO. 59  
THE LAST THREE DIGITS OF THE GRID NUMBERS ARE SHOWN  
TEN THOUSAND FOOT GRID BASED ON NEW YORK PLANE COORDINATE SYSTEM, EASTERN ZONE  
NOTE: OFFICERS USING THIS MAP WILL MAKE PERSON CORRECTIONS AND ADDITIONS WHICH COME TO THEIR ATTENTION AND MAIL DIRECT TO THE CHIEF OF ENGINEERS, WASHINGTON, D. C.

CONTOUR INTERVAL 20 FEET U. S.  
CONTOUR INTERVAL 25 FEET CANADA  
DATUM IS MEAN SEA LEVEL

REPRODUCED BY THE TENNESSEE VALLEY AUTHORITY 120104

**WOODLAND CLASSIFICATION**

Dense woodland  
Dense brush  
Scattered brush and trees  
Orchard  
Vineyard

APPROXIMATE MEAN DECLINATION 1942  
ANNUAL MAGNETIC CHANGE 0'

MASSENA, N. Y.-ONT.  
N4452.5-W7452.5/7.5  
EDITION OF 1943

(CHASSE MILLS)

(BRASHER FALLS)

USGS  
Historical File  
Topographic Division