



AMS V501

Prepared by the Army Map Service (AMS), Corps of Engineers, U. S. Army, Washington, D. C. Compiled in 1949; from United States Quadrangles, 1:31,680 and 1:62,500, U. S. Geological Survey and Corps of Engineers, 1900-1945; County Highway Maps, 1941; and intelligence data to 1948; Planimetric detail partially revised by photo-planimetric methods.

Road, railroad and aeronautical data verified by state authorities, 1950. Control by U. S. Geological Survey, U. S. Coast and Geodetic Survey, and U. S. Engineers.

LEGEND

ROAD DATA 1950

Small, large
500,000 or over
100,000 to 500,000
25,000 to 100,000
5,000 to 25,000
1,000 to 5,000
1,000 or less

RAILROADS

Standard gauge
Narrow gauge
International boundary
State boundary
Seaplane base
Park and reservation

POPULATED PLACES

BOSTON
RICHMOND
ALEXANDRIA
Marion

Spot elevation in feet
Military airfield
Municipal or commercial airfield
Auxiliary airfield
Seaplane base
Seaplane anchorage

Hard surface, heavy duty road, more than two lanes wide
Hard surface, heavy duty road, two lanes wide
Hard surface, medium duty road, more than two lanes wide
Hard surface, medium duty road, two lanes wide
Loose surface, graded and drained road
Old Dominion dirt road, trail
Stowell Route markers: Federal, State

Woodland
Intermittent stream
Swamp, marsh
Reef, limit of danger line
Rocky beach, wharf, pier
Foreshore flats

Scale 1:250,000

0 5 10 15 20 25 30 Statute Miles

0 5 10 15 20 25 30 Kilometers

0 5 10 15 20 25 30 Nautical Miles

CONTOUR INTERVAL 100 FEET

TRANSVERSE MERCATOR PROJECTION

100,000-FOOT GRID BASED ON PENNSYLVANIA COORDINATE SYSTEM, NORTH AND SOUTH ZONES

1960 MAGNETIC DECLINATION FOR THIS SHEET VARIES FROM 4°30' WESTERLY FOR THE CENTER OF THE WEST EDGE TO 4°45' WESTERLY FOR THE CENTER OF THE EAST EDGE. MEAN ANNUAL CHANGE IS 0°01' EASTERLY.

FOR SALE BY U. S. GEOLOGICAL SURVEY, WASHINGTON 25, D. C.

LOCATION DIAGRAM FOR NK 17-12

44° MICH. CANADA 17-12 17-13 17-14 17-15 17-16 17-17 17-18 17-19 17-20 17-21 17-22 17-23 17-24 17-25 17-26 17-27 17-28 17-29 17-30 17-31 17-32 17-33 17-34 17-35 17-36 17-37 17-38 17-39 17-40 17-41 17-42 17-43 17-44 17-45 17-46 17-47 17-48 17-49 17-50 17-51 17-52 17-53 17-54 17-55 17-56 17-57 17-58 17-59 17-60 17-61 17-62 17-63 17-64 17-65 17-66 17-67 17-68 17-69 17-70 17-71 17-72 17-73 17-74 17-75 17-76 17-77 17-78 17-79 17-80 17-81 17-82 17-83 17-84 17-85 17-86 17-87 17-88 17-89 17-90 17-91 17-92 17-93 17-94 17-95 17-96 17-97 17-98 17-99 18-00 18-01 18-02 18-03 18-04 18-05 18-06 18-07 18-08 18-09 18-10 18-11 18-12 18-13 18-14 18-15 18-16 18-17 18-18 18-19 18-20 18-21 18-22 18-23 18-24 18-25 18-26 18-27 18-28 18-29 18-30 18-31 18-32 18-33 18-34 18-35 18-36 18-37 18-38 18-39 18-40 18-41 18-42 18-43 18-44 18-45 18-46 18-47 18-48 18-49 18-50 18-51 18-52 18-53 18-54 18-55 18-56 18-57 18-58 18-59 18-60 18-61 18-62 18-63 18-64 18-65 18-66 18-67 18-68 18-69 18-70 18-71 18-72 18-73 18-74 18-75 18-76 18-77 18-78 18-79 18-80 18-81 18-82 18-83 18-84 18-85 18-86 18-87 18-88 18-89 18-90 18-91 18-92 18-93 18-94 18-95 18-96 18-97 18-98 18-99 19-00 19-01 19-02 19-03 19-04 19-05 19-06 19-07 19-08 19-09 19-10 19-11 19-12 19-13 19-14 19-15 19-16 19-17 19-18 19-19 19-20 19-21 19-22 19-23 19-24 19-25 19-26 19-27 19-28 19-29 19-30 19-31 19-32 19-33 19-34 19-35 19-36 19-37 19-38 19-39 19-40 19-41 19-42 19-43 19-44 19-45 19-46 19-47 19-48 19-49 19-50 19-51 19-52 19-53 19-54 19-55 19-56 19-57 19-58 19-59 19-60 19-61 19-62 19-63 19-64 19-65 19-66 19-67 19-68 19-69 19-70 19-71 19-72 19-73 19-74 19-75 19-76 19-77 19-78 19-79 19-80 19-81 19-82 19-83 19-84 19-85 19-86 19-87 19-88 19-89 19-90 19-91 19-92 19-93 19-94 19-95 19-96 19-97 19-98 19-99 20-00 20-01 20-02 20-03 20-04 20-05 20-06 20-07 20-08 20-09 20-10 20-11 20-12 20-13 20-14 20-15 20-16 20-17 20-18 20-19 20-20 20-21 20-22 20-23 20-24 20-25 20-26 20-27 20-28 20-29 20-30 20-31 20-32 20-33 20-34 20-35 20-36 20-37 20-38 20-39 20-40 20-41 20-42 20-43 20-44 20-45 20-46 20-47 20-48 20-49 20-50 20-51 20-52 20-53 20-54 20-55 20-56 20-57 20-58 20-59 20-60 20-61 20-62 20-63 20-64 20-65 20-66 20-67 20-68 20-69 20-70 20-71 20-72 20-73 20-74 20-75 20-76 20-77 20-78 20-79 20-80 20-81 20-82 20-83 20-84 20-85 20-86 20-87 20-88 20-89 20-90 20-91 20-92 20-93 20-94 20-95 20-96 20-97 20-98 20-99 21-00 21-01 21-02 21-03 21-04 21-05 21-06 21-07 21-08 21-09 21-10 21-11 21-12 21-13 21-14 21-15 21-16 21-17 21-18 21-19 21-20 21-21 21-22 21-23 21-24 21-25 21-26 21-27 21-28 21-29 21-30 21-31 21-32 21-33 21-34 21-35 21-36 21-37 21-38 21-39 21-40 21-41 21-42 21-43 21-44 21-45 21-46 21-47 21-48 21-49 21-50 21-51 21-52 21-53 21-54 21-55 21-56 21-57 21-58 21-59 21-60 21-61 21-62 21-63 21-64 21-65 21-66 21-67 21-68 21-69 21-70 21-71 21-72 21-73 21-74 21-75 21-76 21-77 21-78 21-79 21-80 21-81 21-82 21-83 21-84 21-85 21-86 21-87 21-88 21-89 21-90 21-91 21-92 21-93 21-94 21-95 21-96 21-97 21-98 21-99 22-00 22-01 22-02 22-03 22-04 22-05 22-06 22-07 22-08 22-09 22-10 22-11 22-12 22-13 22-14 22-15 22-16 22-17 22-18 22-19 22-20 22-21 22-22 22-23 22-24 22-25 22-26 22-27 22-28 22-29 22-30 22-31 22-32 22-33 22-34 22-35 22-36 22-37 22-38 22-39 22-40 22-41 22-42 22-43 22-44 22-45 22-46 22-47 22-48 22-49 22-50 22-51 22-52 22-53 22-54 22-55 22-56 22-57 22-58 22-59 22-60 22-61 22-62 22-63 22-64 22-65 22-66 22-67 22-68 22-69 22-70 22-71 22-72 22-73 22-74 22-75 22-76 22-77 22-78 22-79 22-80 22-81 22-82 22-83 22-84 22-85 22-86 22-87 22-88 22-89 22-90 22-91 22-92 22-93 22-94 22-95 22-96 22-97 22-98 22-99 23-00 23-01 23-02 23-03 23-04 23-05 23-06 23-07 23-08 23-09 23-10 23-11 23-12 23-13 23-14 23-15 23-16 23-17 23-18 23-19 23-20 23-21 23-22 23-23 23-24 23-25 23-26 23-27 23-28 23-29 23-30 23-31 23-32 23-33 23-34 23-35 23-36 23-37 23-38 23-39 23-40 23-41 23-42 23-43 23-44 23-45 23-46 23-47 23-48 23-49 23-50 23-51 23-52 23-53 23-54 23-55 23-56 23-57 23-58 23-59 23-60 23-61 23-62 23-63 23-64 23-65 23-66 23-67 23-68 23-69 23-70 23-71 23-72 23-73 23-74 23-75 23-76 23-77 23-78 23-79 23-80 23-81 23-82 23-83 23-84 23-85 23-86 23-87 23-88 23-89 23-90 23-91 23-92 23-93 23-94 23-95 23-96 23-97 23-98 23-99 24-00 24-01 24-02 24-03 24-04 24-05 24-06 24-07 24-08 24-09 24-10 24-11 24-12 24-13 24-14 24-15 24-16 24-17 24-18 24-19 24-20 24-21 24-22 24-23 24-24 24-25 24-26 24-27 24-28 24-29 24-30 24-31 24-32 24-33 24-34 24-35 24-36 24-37 24-38 24-39 24-40 24-41 24-42 24-43 24-44 24-45 24-46 24-47 24-48 24-49 24-50 24-51 24-52 24-53 24-54 24-55 24-56 24-57 24-58 24-59 24-60 24-61 24-62 24-63 24-64 24-65 24-66 24-67 24-68 24-69 24-70 24-71 24-72 24-73 24-74 24-75 24-76 24-77 24-78 24-79 24-80 24-81 24-82 24-83 24-84 24-85 24-86 24-87 24-88 24-89 24-90 24-91 24-92 24-93 24-94 24-95 24-96 24-97 24-98 24-99 25-00 25-01 25-02 25-03 25-04 25-05 25-06 25-07 25-08 25-09 25-10 25-11 25-12 25-13 25-14 25-15 25-16 25-17 25-18 25-19 25-20 25-21 25-22 25-23 25-24 25-25 25-26 25-27 25-28 25-29 25-30 25-31 25-32 25-33 25-34 25-35 25-36 25-37 25-38 25-39 25-40 25-41 25-42 25-43 25-44 25-45 25-46 25-47 25-48 25-49 25-50 25-51 25-52 25-53 25-54 25-55 25-56 25-57 25-58 25-59 25-60 25-61 25-62 25-63 25-64 25-65 25-66 25-67 25-68 25-69 25-70 25-71 25-72 25-73 25-74 25-75 25-76 25-77 25-78 25-79 25-80 25-81 25-82 25-83 25-84 25-85 25-86 25-87 25-88 25-89 25-90 25-91 25-92 25-93 25-94 25-95 25-96 25-97 25-98 25-99 26-00 26-01 26-02 26-03 26-04 26-05 26-06 26-07 26-08 26-09 26-10 26-11 26-12 26-13 26-14 26-15 26-16 26-17 26-18 26-19 26-20 26-21 26-22 26-23 26-24 26-25 26-26 26-27 26-28 26-29 26-30 26-31 26-32 26-33 26-34 26-35 26-36 26-37 26-38 26-39 26-40 26-41 26-42 26-43 26-44 26-45 26-46 26-47 26-48 26-49 26-50 26-51 26-52 26-53 26-54 26-55 26-56 26-57 26-58 26-59 26-60 26-61 26-62 26-63 26-64 26-65 26-66 26-67 26-68 26-69 26-70 26-71 26-72 26-73 26-74 26-75 26-76 26-77 26-78 26-79 26-80 26-81 26-82 26-83 26-84 26-85 26-86 26-87 26-88 26-89 26-90 26-91 26-92 26-93 26-94 26-95 26-96 26-97 26-98 26-99 27-00 27-01 27-02 27-03 27-04 27-05 27-06 27-07 27-08 27-09 27-10 27-11 27-12 27-13 27-14 27-15 27-16 27-17 27-18 27-19 27-20 27-21 27-22 27-23 27-24 27-25 27-26 27-27 27-28 27-29 27-30 27-31 27-32 27-33 27-34 27-35 27-36 27-37 27-38 27-39 27-40 27-41 27-42 27-43 27-44 27-45 27-46 27-47 27-48 27-49 27-50 27-51 27-52 27-53 27-54 27-55 27-56 27-57 27-58 27-59 27-60 27-61 27-62 27-63 27-64 27-65 27-66 27-67 27-68 27-69 27-70 27-71 27-72 27-73 27-74 27-75 27-76 27-77 27-78 27-79 27-80 27-81 27-82 27-83 27-84 27-85 27-86 27-87 27-88 27-89 27-90 27-91 27-92 27-93 27-94 27-95 27-96 27-97 27-98 27-99 28-00 28-01 28-02 28-03 28-04 28-05 28-06 28-07 28-08 28-09 28-10 28-11 28-12 28-13 28-14 28-15 28-16 28-17 28-18 28-19 28-20 28-21 28-22 28-23 28-24 28-25 28-26 28-27 28-28 28-29 28-30 28-31 28-32 28-33 28-34 28-35 28-36 28-37 28-38 28-39 28-40 28-41 28-42 28-43 28-44 28-45 28-46 28-47 28-48 28-49 28-50 28-51 28-52 28-53 28-54 28-55 28-56 28-57 28-58 28-59 28-60 28-61 28-62 28-63 28-64 28-65 28-66 28-67 28-68 28-69 28-70 28-71 28-72 28-73 28-74 28-75 28-76 28-77 28-78 28-79 28-80 28-81 28-82 28-83 28-84 28-85 28-86 28-87 28-88 28-89 28-90 28-91 28-92 28-93 28-94 28-95 28-96 28-97 28-98 28-99 29-00 29-01 29-02 29-03 29-04 29-05 29-06 29-07 29-08 29-09 29-10 29-11 29-12 29-13 29-14 29-15 29-16 29-17 29-18 29-19 29-20 29-21 29-22 29-23 29-24 29-25 29-26 29-27 29-28 29-29 29-30 29-31 29-32 29-33 29-34 29-35 29-36 29-37 29-38 29-39 29-40 29-41 29-42 29-43 29-44 29-45 29-46 29-47 29-48 29-49 29-50 29-51 29-52 29-53 29-54 29-55 29-56 29-57 29-58 29-59 29-60 29-61 29-62 29-63 29-64 29-65 29-66 29-67 29-68 29-69 29-70 29-71 29-72 29-73 29-74 29-75 29-76 29-77 29-78 29-79 29-80 29-81 29-82 29-83 29-84 29-85 29-86 29-87 29-88 29-89 29-90 29-91 29-92 29-93 29-94 29-95 29-96 29-97 29-98 29-99 30-00 30-01 30-02 30-03 30-04 30-05 30-06 30-07 30-08 30-09 30-10 30-11 30-12 30-13 30-14 30-15 30-16 30-17 30-18 30-19 30-20 30-21 30-22 30-23 30-24 30-25 30-26 30-27 30-28 30-29 30-30 30-31 30-32 30-33 30-34 30-35 30-36 30-37 30-38 30-39 30-40 30-41 30-42 30-43 30-44 30-45 30-46 30-47 30-48 30-49 30-50 30-51 30-52 30-53 30-54 30-55 30-56 30-57 30-58 30-59 30-60 30-61 30-62 30-63 30-64 30-65 30-66 30-67 30-68 30-69 30-70 30-71 30-72 30-73 30-74 30-75 30-76 30-77 30-78 30-79 30-80 30-81 30-82 30-83 30-84 30-85 30-86 30-87 30-88 30-89 30-90 30-91 30-92 30-93 30-94 30-95 30-96 30-97 30-98 30-99 31-00 31-01 31-02 31-03 31-04 31-05 31-06 31-07 31-08 31-09 31-10 31-11 31-12 31-13 31-14 31-15 31-16 31-17 31-18 31-19 31-20 31-21 31-22 31-23 31-24 31-25 31-26 31-27 31-28 31-29 31-30 31-31 31-32 31-33 31-34 31-35 31-36 31-37 31-38 31-39 31-40 31-41 31-42 31-43 31-44 31-45 31-46 31-47 31-48 31-49 31-50 31-51 31-52 31-53 31-54 31-55 31-56 31-57 31-58 31-59 31-60 31-61 31-62 31-63 31-64 31-65 31-66 31-67 31-68 31-69 31-70 31-71 31-72 31-73 31-74 31-75 31-76 31-77 31-78 31-79 31-80 31-81 31-82 31-83 31-84 31-85 31-86 31-87 31-88 31-89 31-90 31-91 31-92 31-93 31-94 31-95 31-96 31-97 31-98 31-99 32-00 32-01 32-02 32-03 32-04 32-05 32-06 32-07 32-08 32-09 32-10 32-11 32-12 32-13 32-14 32-15 32-16 32-17 32-18 32-19 32-20 32-21 32-22 32-23 32-24 32-25 32-26 32-27 32-28 32-29 32-30 32-31 32-32 32-33 32-34 32-35 32-36 32-37 32-38 32-39 32-40 32-41 32-42 32-43 32-44 32-45 32-46 32-47 32-48 32-49 32-50 32-51 32-52 32-53 32-54 32-55 32-56 32-57 32-58 32-59 32-60 32-61 32-62 32-63 32-64 32-65 32-66 32-67 32-68 32-69 32-70 32-71 32-72 32-73 32-74 32-75 32-76 32-77 32-78 32-79 32-80 32-81 32-82 32-83 32-84 32-85 32-86 32-87 32-88 32-89 32-90 32-91 32-92 32-93 32-94 32-95 32-96 32-97 32-98 32-99 33-00 33-01 33-02 33-03 33-04 33-05 33-06 33-07 33-08 33-09 33-10 33-11 33-12 33-13 33-14 33-15 33-16 33-17 33-18 33-19 33-20 33-21 33-22 33-23 33-24 33-25 33-26 33-27 33-28 33-29 33-30 33-31 33-32 33-33 33-34 33-35 33-36 33-37 33-38 33-39 33-40 33-41 33-42 33-43 33-44 33-45 33-46 33-47 33-48 33-49 33-50 33-51 33-52 33-53 33-54 33-55 33-56 33-57 33-58 33-59 33-60 33-61 33-62 33-63 33-64 33-65 33-66 33-67 33-68 33-69 33-70 33-71 33-72 33-73 33-74 33-75 33-76 33-77 33-78 33-79 33-80 33-81 33-82 33-83 33-84 33-85 33-86 33-87 33-88 33-89 33-90 33-91 33-92 33-93 33-94 33-95 33-96 33-97 33-98 33-99 34-00 34-01 34-02 34-03 34-04 34-05 34-06 34-07 34-08 34-09 34-10 34-11 34-12 34-13 34-14 34-15 34-16 34-17 34-18 34-19 34-20 34-21 34-22 34-23 34-24 34-25 34-26 34-27 34-28 34-29 34-30 34-31 34-32 34-33 34-34 34-35 34-36 34-37 34-38 34-39 34-40 34-41 34-42 34-43 34-44 34-45 34-46 34-47 34-48 34-49 34-50 34-51 34-52 34-53 34-54 34-55 34-56 34-57 34-58 34-59 34-60 34-61 34-62 34-63 34-64 34-65 34-66 34-67 34-68 34-69 34-70 34-71 34-72 34-73 34-74 34-75 34-76 34-77 34-78 34-79 34-80 34-81 34-82 34-83 34-84 34-85 34-86 34-87 34-88 34-89 34-90 34-91 34-92 34-93 34-94 34-95 34-96 34-97 34-98 34-99 35-00 35-01 35-02 35-03 35-04 35-05 35-06 35-07 35-08 35-09 35-10 35-11 35-12 35-13 35-14 35-15 35-16 35-17 35-18 35-19 35-20 35-21 35-22 35-23 35-24 35-25 35-26 35-27 35-28 35-29 35-30 35-31 35-32 35-33 35-34 35-35 35-36 35-37 35-38 35-39 35-40 35-41 35-42 35-43 35-44 35-45 35-46 35-47 35-48 35-49 35-50 35-51 35-52 35-53 35-54 35-55 35-56 35-57 35-58 35-59 35-60 35-61 35-62 35-63 35-64 35-65 35-66 35-67 35-68 35-69 35-70 35-71 35-72 35-73 35-74 35-75 35-76 35-77 35-78 35-79 35-80 35-81 35-82 35-83 35-84 35-85 35-86 35-87 35-88 35-89 35-90 35