



Base prepared by the Army Survey Establishment, R.C.E., Canada, 1957. United States area from maps of the U.S. Geological Survey. Limited revision of the U.S. area by the U.S. Geological Survey, 1966.

**100,000-FOOT PLANE COORDINATE GRID TICK SYMBOLS**

**INDEX TO COUNTY BOUNDARIES**  
(See county designations list for county identification)

**PLANE COORDINATE ZONES**  
MINNESOTA NORTH

**HORIZONTAL CONTROL**

**Coast & Geodetic Survey**  
— First Order  
— Second Order  
— Third Order

**Geological Survey**  
— First Order  
— Second Order  
— Third Order

**Other Agencies**  
— First Order  
— Second Order  
— Third Order

**STATE SURVEY CONTROL**  
Horizontal or Vertical

**CODE OF OTHER AGENCIES**  
Geodetic Survey of Canada  
Requests for geodetic control data depicted herein in brown should be addressed to Dominion Geodetic, Geodetic Survey of Canada, Department of Mines and Technical Surveys, Ottawa 4, Ontario, Canada.

**VERTICAL CONTROL**

**Coast & Geodetic Survey**  
— First Order  
— Second Order  
— Third Order

**Geological Survey**  
— First Order  
— Second Order  
— Third Order

**Other Agencies**  
— First Order  
— Second Order  
— Third Order

**SECTIONIZED TOWNSHIP**

|    |    |    |    |    |    |
|----|----|----|----|----|----|
| 6  | 5  | 4  | 3  | 2  | 1  |
| 7  | 8  | 9  | 10 | 11 | 12 |
| 18 | 17 | 16 | 15 | 14 | 13 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 30 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

**TRANSVERSE MERCATOR PROJECTION**

**LOCATION DIAGRAM FOR NM 15-12**

|           |           |           |           |
|-----------|-----------|-----------|-----------|
| 48 09 1 3 | 48 09 1 2 | 48 09 0 3 | 48 09 0 2 |
|-----------|-----------|-----------|-----------|

**LEGEND**  
ROAD DATA 1957  
RAILROADS  
BOUNDARIES  
INTERNATIONAL  
State  
County  
Park or reservation

**MARKERS:**  
School; Church; Other  
Horizontal control point  
Spot elevation in feet  
Marsh or swamp  
Intermittent or dry stream  
Power line

**COAST AND GEODETIC SURVEY THIRTY MINUTE QUADRANGLE DESIGNATION**

**INDEX TO COUNTY BOUNDARIES**

**INDEX TO COUNTY BOUNDARIES**

**MINNESOTA**  
373 Rice Lake  
374 Mule Lake  
375 Gunflint Lake  
376 Gull Lake  
377 Kink Lake  
378 Eagle Lake  
379 Rockwood Lake  
380 Iron Lake  
402 L.

**QUETICO, ONT., CAN.; MINN., U.S. (NM 15-12)**  
DECEMBER 1970