

45093-E1-PL-100

Mora

MINNESOTA

1:100 000-scale

planimetric map

N.HY

30 X 60 MINUTE QUADRANGLE

• Elevations in meters

 Water features Woodland areas

Geographic names

Highways, roads and other manmade structures

Produced by the United States Geological Survey

dated 1961-1983. Planimetry revised from aerial photographs

To place on the predicted North American Datum 1983, move the projection lines 8 meters north and 17 meters east

DECLINATION DIAGRAM

GN

 $\begin{array}{c|c} 0^{\circ}21' \\ \hline 6 \text{ MILS} \end{array} \right| \frac{14^{\circ}}{71 \text{ MILS}}$

There may be private inholdings within the boundaries of

the National or State reservations shown on this map

NATIONAL GEODETIC VERTICAL DATUM OF 1929 ELEVATIONS SHOWN TO THE NEAREST METER

Compiled from USGS 1:24 000-scale topographic maps

25 000-foot grid ticks based on Minnesota coordinate

field checked. Map edited 1985

Universal Transverse Mercator

system, central and south zones 1927 North American Datum

CONVERSION TABLE

Feet

3.2808 6.5617 9.8425 13.1234 16.4042 19.6850 22.9659 26.2467 29.5276 32.8084

To convert meters to feet multiply by 3.2808 To convert feet to meters multiply by 0.3048 UTM grid convergence (GN) and 1985 magnetic declination (MN) at center of map Diagram is approximate

Meters

Projection and 10 000-meter grid, zone 15,

1985

SHOWING

1985

FOR SALE BY U.S. GEOLOGICAL SURVEY **RESTON, VIRGINIA 22092**

Topographic Map Symbols Primary highway, hard surface

1 3 1.		
Secondary highway, hard surface		
Light duty road, principal street, hard or improved surface		
Other road or street; trail		
Route marker: Interstate; U.S.; State	$\bigcirc $	3
Railroad: standard gage; narrow gage		
Bridge; overpass; underpass		1
Tunnel: road; railroad	→ - 	\rightarrow -
Built up area; locality; elevation		
Airport; landing field; landing strip	-	+-
National boundary		
State boundary		
County boundary		
National or State reservation boundary		
Land grant boundary		
U.S. public lands survey: range, township; section		
Range, township; section line: protracted		
Power transmission line; pipeline		
Dam; dam with lock		
Cemetery; building		
Windmill; water well; spring		
Mine shaft; adit or cave; mine, quarry; gravel pit		*
Campground; picnic area; U.S. location monument	¥	
Ruins; cliff dwelling	[]	
Distorted surface: strip mine, lava; sand		
Contours: index; intermediate; supplementary		-
Bathymetric contours: index; intermediate	\sim	-
Stream, lake: perennial; intermittent	\sim	~
Rapids, large and small; falls, large and small		
Area to be submerged; marsh, swamp		alu .
Land subject to controlled inundation; woodland		
Scrub; mangrove		Azzk.
Orchard; vineyard	9999999999 99999999	

A pamphlet describing topographic maps is available on request

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