47092-A1-TM-100

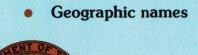
Hibbing MINNESOTA

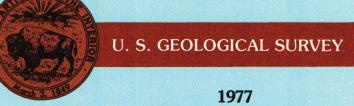
1:100 000-scale metric topographic map



30 X 60 MINUTE QUADRANGLE

- Contours and elevations
- Highways, roads and other manmade structures
- Water features
- Woodland areas





Produced by the United States Geological Survey Compiled from USGS 1:24 000 and 1:62 500-scale topographic maps dated 1951-1976. Planimetry revised from aerial photographs taken 1976 and other source data. Revised information not field checked. Map edited 1977 1927 North American Datum (NAD 27). Projection and 10 000-meter grid: Universal Transverse Mercator, zone 15 25 000-foot ticks: Minnesota coordinate system, north zone The difference between NAD 27 and North American Datum of 1983 (NAD 83) is too small to show at this scale. The values of the shift between the datums for 7.5-minute intersections are given in USGS Bulletin 1875 There may be private inholdings within the boundaries of the National or State reservations shown on this map

PHOTOINSPECTED 1987

CONTOUR INTERVAL 10 METERS SUPPLEMENTARY CONTOUR INTERVAL 5 METERS NATIONAL GEODETIC VERTICAL DATUM OF 1929 ELEVATIONS SHOWN TO THE NEAREST METER

Map photoinspected using 1987 photographs No major culture or drainage changes found

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM	ADJOINING MAPS		
Meters	Feet	*	1	2	:
1	3.2808	MN GN	4		
2	6.5617	1 11	-		
3	9.8425			_	
4	13.1234	31/20	6	7	1
5	16.4042	62 MILS \ 0°22'			
6	19.6850	17 MILS			
7	22.9659		1 Bio	fork	
8	26.2467	\\		rmillion	I ale
9	29.5276	\			Lak
10	32.8084		3 Ely		
To convert meters to feet multiply by 3.2808 To convert feet to meters		UTM grid convergence (GN) and 1977 magnetic declination (MN)	4 Pokegama Lake 5 Two Harbors 6 Aitkin 7 Duluth 8 Port Wing		

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Primary highway, hard surface Secondary highway, hard surface. Light duty road, principal street, hard or improved surface Other road or street; trail Route marker: Interstate; U.S.; State .. Railroad: standard gage; narrow gage Bridge; overpass; underpass ... \rightarrow \leftarrow \rightarrow \leftarrow Tunnel: road; railroad • 155 Built up area; locality; elevation Airport; landing field; landing strip

A pamphlet describing topographic maps is available on request

1977

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