



Hibbing MINNESOTA

1:100 000-scale metric topographic map

30 X 60 MINUTE QUADRANGLE SHOWING

- Contours and elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names

U. S. GEOLOGICAL SURVEY

1977 PHOTOINSPECTED 1987

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

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

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS		
Meters	Feet	30'	33'	1	2	3
1	3.2808		UTM grid convergence (GM) and 1977 magnetic declination (MD) at center of map. Diagram is approximate.	4	5	
2	6.5617			6	7	8
3	9.8425					
4	13.1234					
5	16.4042					
6	19.6850					
7	22.9659					
8	26.2467					
9	29.5275					
10	32.8084					

To convert meters to feet multiply by 3.2808
 To convert feet to meters multiply by 0.3048

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Topographic Map Symbols

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 gauge, narrow gauge	—
Bridge: overpass, underpass	—
Tunnel: road, railroad	—
Build up area: locality, elevation	—
Airport: landing field, landing strip	—
National boundary	—
State boundary	—
County boundary	—
Civil township 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	—
Wellhead; 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	—
Stream, lake: perennial, intermittent	—
Rapids, large and small; falls, large and small	—
Area to be submerged; marsh, swamp	—
Land subject to controlled inundation; woodland	—
Scrub; mangrove	—
Orchard; vineyard	—

SET
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