



Iron County

Wisconsin County Coordinate System

Projection: Transverse Mercator
Design Elevation: 487.681 meters (1600 feet) [1840 high, 600 low]
Geoidal Separation: - 30.39 meters
Origin Longitude: 90° 15' 20"
Origin Latitude: 45° 26' 00"
False Easting: 220,980.4420 meters (725,000 feet)
False Northing: 0.00 meters (0.00 feet)
Scale Factor: 0.999996

Approximate Ground to Grid Ratios

Rural (worst).....1:20,000Along Shoreline of Lake Superior
Urban.....1:500,000Hurley, Mercer
1:83,000.....Montreal
1:380,000.....Upson

Approximate western most coordinate (X) = 650,000 feet
Approximate southern most coordinate (Y) = 200,000 feet

Design Comments:

The areas in the northeast corner of Iron County, below 1000 feet in elevation, fall below the 1:30,000 criteria. This area is approximately 30 square miles. Most of the county is nearer 1600 feet elevation and is fit within the criteria.

(Note: All feet units for the Wisconsin County Coordinate System are U.S. Survey Foot. Please see further discussion of this issue on page 6 of the Summary of Terms section of this handbook.)