



Polk County

Wisconsin County Coordinate System

Projection: Transverse Mercator
 Design Elevation: 304.801 meters (1000 feet) [1400 high, 680 low]
 Geoidal Separation: - 28.13 meters
 Origin Longitude: 92° 38' 00"
 Origin Latitude: 44° 39' 40"
 False Easting: 141,732.2834 meters (465,000 feet)
 False Northing: 0.00 meters (0.00 feet)
 Scale Factor: 1.00000000

Approximate Ground to Grid Ratios

Rural (worst).....1:58,000low points in NE,SW, & NW corners
 Urban.....1:156,000Osceola
 1:95,000Frederick, Luck, Centuria
 1:181,000Balsalm Lake
 1:83,000St Croix Falls
 1:400,000Clear lake, Amery

Approximate western most coordinate (X) = 400,000 feet
 Approximate southern most coordinate (Y) = 200,000 feet

Design Comments:

Polk County rises in elevation from west to east. The Mercator central meridian was shifted to the west to provide the best fit for the county.

(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.)