



Racine County

Wisconsin County Coordinate System

Projection: Transverse Mercator
Design Elevation: 213.360 meters (700 feet) [920 high, 580 low]
Geoidal Separation: - 34.66 meters
Origin Longitude: 87° 53' 40"
Origin Latitude: 42° 13' 00"
False Easting: 185,928.3719 meters (610,000 feet)
False Northing: 0.00 meters (0.00 feet)
Scale Factor: 0.999998

Approximate Ground to Grid Ratios

Rural (worst)1:151,000T3N, R20E, Sec 13, high point
Urban1:285,000Racine
1:178,000Wind Point
1:188,000Burlington
1:200,000Union Grove
1:250,000Waterford

Approximate western most coordinate (X) = 500,000 feet
Approximate southern most coordinate (Y) = 144,000 feet

Design Comments:

Kenosha, Racine, Milwaukee, and Ozaukee Counties share a coordinate system. The counties all share a general rise in elevation from Lake Michigan westward. The central meridian was moved to the east to accommodate the elevation rise.

(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.)