



Kenosha County

Wisconsin County Coordinate System

Projection: Transverse Mercator
Design Elevation: 213.360 meters (700 feet) [950 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).....1:133,000.....T1N, R21E, Sec 35, high point
Urban.....1:222,000.....Kenosha
1:300,000.....Silver Lake
1:200,000.....Paddock Lake, Twin Lakes

Approximate western most coordinate (X) = 500,000 feet
Approximate southern most coordinate (Y) = 100,000 feet

Design Comments:

Kenosha, Racine, Milwaukee, and Ozaukee Counties share a coordinate system. These counties share a general rise in elevation from Lake Michigan westward. The central meridian of their common projection 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.)