



# Ozaukee County

Wisconsin County Coordinate System

Projection:	Transverse Mercator
Design Elevation:	213.360 meters (700 feet) [960 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) .....	1:74,000 .....	high point on NW corner
Urban .....	1:250,000 .....	Port Washington
	1:99,000 .....	Cedarburg
	1:300,000 .....	Mequon, Thiensville
	1:140,000 .....	Grafton

Approximate western most coordinate (X) = 565,000 feet  
 Approximate southern most coordinate (Y) = 355,000 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.)*