



# Juneau County

Wisconsin County Coordinate System

Projection: Transverse Mercator  
Design Elevation: 274.321 meters (900 feet) [1360 high, 820 low]  
Geoidal Separation: - 35.05 meters  
Origin Longitude: 90° 00' 00"  
Origin Latitude: 43° 22' 00"  
False Easting: 147,218.6945 meters (483,000 feet)  
False Northing: 0.00 meters (0.00 feet)  
Scale Factor: 0.999999

## Approximate Ground to Grid Ratios

Rural (worst) .....1:49,000 .....T14N, R3E, Sec 14, high point  
Urban .....1:500,000.....Mauston, New Lisbon  
1:380,000.....Necedah  
1:340,000.....Elroy

Approximate western most coordinate (X) = 478,000 feet  
Approximate southern most coordinate (Y) = 100,000 feet

## Design Comments:

Adams and Juneau County have the same projection system. The Wisconsin River flows between the counties and the transverse Mercator projection fits the elevation pattern created by the River.

*(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.)*