



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)1:49,000T14N, R3E, Sec 14, high point
Urban1:500,000.....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.)