



Vilas County

Wisconsin County Coordinate System

Projection: Lambert Conformal Conic
Design Elevation: 518.161 meters (1700 feet) [1880 high, 1540 low]
Geoidal Separation: - 30.99 meters
Origin Longitude: 89° 29' 20"
Origin Latitude: 45° 37' 30"
False Easting: 134,417.0688 meters (441,000 feet)
False Northing: 0.00 meters (0.00 feet)
North Latitude: 46° 13' 30"
South Latitude: 45° 55' 50"

Approximate Ground to Grid Ratios

Rural (worst)1:84,000T42N, R11E, Sec 36 - high point
Urban1:270,000Eagle River
1:310,000.....St. Germain
1:500,000.....Sayner, Boulder Junction
1:150,000.....Woodruff

Approximate western most coordinate (X) = 300,000 feet

Approximate southern most coordinate (Y) = 84,000 feet

Design Comments:

Vilas County has a modest range of elevations with no general rise or fall across the county in any direction. The Lambert projection was optimized on the elevations of the communities.

(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 Summary of Terms section of this handbook.)