



# 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) .....	1:84,000 .....	T42N, R11E, Sec 36 - high point
Urban .....	1:270,000 .....	Eagle 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.)*