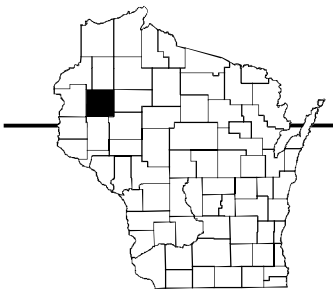

Barron County

Wisconsin County Coordinate System

Projection:	Transverse Mercator
Design Elevation:	365.761 meters *(1200 feet) [1600 high, 1000 low]*
Geoidal Separation:	- 29.83 meters
Origin Longitude:	91° 51’ 00"
Origin Latitude:	45° 08’ 00"
False Easting:	93,150.0000 meters *(305,609.625 feet)*
False Northing:	0.00 meters *(0.00 feet)*
Scale Factor:	0.999996

Approximate Ground to Grid Ratios

Rural (worst) ……1:57,000 …… Blue Hills, elev 1600 ft

Urban ……1:500,000 …… Barron, Cameron, Almena, Turtle Lake

1:320,000.....Rice Lake, Dallas
1:140,000.....Chetak
1:260,000.....Cumberland
1:170,000.....Haugen

Approximate western most coordinate (X) = 226,000 feet

Approximate southern most coordinate (Y) = 27,000 feet

Design Comments:

In an effort to comply with existing data systems as much as possible, the already designed country coordinate system for Barron County was used. This system was designed by North Country Surveying in January, 1993. A complete design report is available from the Barron County Land Information Office.

(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.)