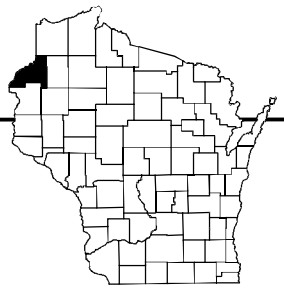

Burnett County

Wisconsin County Coordinate System

Projection:	Lambert Conformal Conic
Design Elevation:	304.80 meters *(1000 feet) [1440 high, 800 low]*
Geoidal Separation:	- 26.84 meters
Origin Longitude:	92° 27’ 28"
Origin Latitude:	45° 21’ 50"
False Easting:	64,008.12802 meters *(210,000 feet)*
False Northing:	0.00 meters *(0.00 feet)*
North Latitude:	46° 05’ 00"
South Latitude:	45° 42’ 50"

Approximate Ground to Grid Ratios

Rural (worst) ..... 1:61,000 ..... T37N, R14W, Sec 33, Elev 1440

Urban ..... 1:450,000 ..... Siren

1:240,000 ..... Webster
1:500,000 ..... Danbury
1:340,000 ..... Grantsburg

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

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

Design Comments:

The Lambert projection models the high and low elevation differences better than a transverse Mercator in Burnett County. Burnett County has little variation in elevation. Nearly all of the county lies between 900 and 1,100 feet in elevation. The lows lie along the St. Croix River and highs are located in the southeastern township.

(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.)