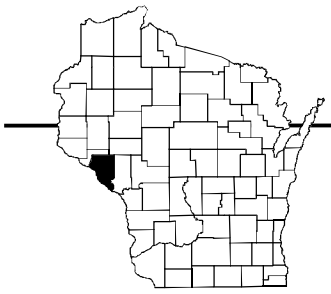

Buffalo County

Wisconsin County Coordinate System

Projection:	Transverse Mercator
Design Elevation:	274.321 meters *(900 feet) [1360 high, 640 low]*
Geoidal Separation:	- 30.33 meters
Origin Longitude:	91° 47’ 50"
Origin Latitude:	43° 28’ 53"
False Easting:	175,260.3505 meters *(575,000 feet)*
False Northing:	0.00 meters *(0.00 feet)*
Scale Factor:	1.0000000

Approximate Ground to Grid Ratios

Rural (worst)	1:47,000	T24N, R12W, Sec 36, high point
Urban	1:90,000	Alma
	1:161,000	Mondovi
	1:81,000	Buffalo

Approximate western most coordinate (X) = 500,000 feet

Approximate southern most coordinate (Y) = 200,000 feet

Design Comments:

Most of the communities in Buffalo County are at lower elevations. There is a significant amount of rural land along ridges. The design elevation was selected to optimize the lower lands.

(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.)