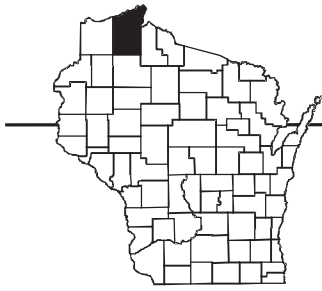


# Bayfield County

Wisconsin County Coordinate System



Projection: Design	Lambert Conformal Conic
Elevation: Geoidal	304.801 meters (1000 feet) [1680 high, 600 low] -
Separation: Origin	30.45 meters
Longitude: Origin	91° 09' 10"
Latitude: False	45° 20' 00"
Easting: False	228,600.4572 meters (750,000 feet)
Northing: North	0.00 meters (0.00 feet)
Latitude: South	46° 55' 30"
Latitude:	46° 24' 50"

## Approximate Ground to Grid Ratios

Rural (worst).....	1:31,000.....	North end of Sand Island
Urban.....	1:99,000.....	Washburn
	1:75,000 .....	Bayfield, Iron River, Cornucopia
	1:114,000 .....	Drummond, Port Wing
	1:500,000 .....	Grandview
	1:238,000 .....	Cable

Approximate western most coordinate (X) = 650,000 feet

Approximate southern most coordinate (Y) = 300,000 feet

## Design Comments:

The Lambert projection fits the southern two tiers of townships and lands north of those tiers that are below 1000 feet in elevation better than a transverse Mercator. The shoreline and all communities except Iron River also have less distortion with the Lambert than with a transverse Mercator.

*(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.)*