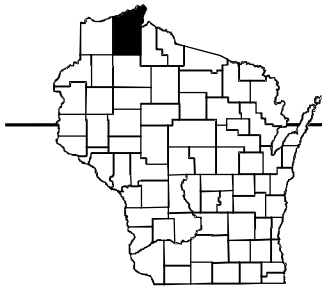


Bayfield County

Wisconsin County Coordinate System



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