



St. Croix County

Wisconsin County Coordinate System

Projection: Transverse Mercator
 Design Elevation: 304.801 meters (1000 feet) [1280 high, 680 low]
 Geoidal Separation: - 29.29 meters
 Origin Longitude: 92° 38' 00"
 Origin Latitude: 44° 02' 10"
 False Easting: 165,506.731 meters (543,000 feet)
 False Northing: 0.00 meters (0.00 feet)
 Scale Factor: 0.999995

Approximate Ground to Grid Ratios

Rural (worst)1:67,000T30N, R15W, Sec 25, low point
 Urban1:230,000Deer Park
 1:82,000Hudson
 1:300,000New Richmond
 1:500,000River Falls, Somerset
 1:144,000Baldwin
 1:137,000Glenwood City

Approximate western most coordinate (X) = 500,000 feet
 Approximate southern most coordinate (Y) = 300,000 feet

Design Comments:

The elevations in St. Croix County generally rise eastward from the St. Croix river.
 The central meridian was shifted to the west of center for a best fit.

(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).