

# Plane Coordinate Projection Zone Definitions Used in Maine

November 2015

## NAD27

### Maine East Zone 1801

Transverse Mercator Projection  
Origin Latitude 43 50 00 N  
Origin Longitude 68 30 00 W (Central Meridian)  
False Northing 0.000m  
False Easting 152400.305m  
Positive Coordinate Direction is North and East  
SF: 0.9999  
1:10,000 at Central Meridian

### Maine West Zone 1802

Transverse Mercator Projection  
Origin Latitude 42 50 00 N  
Origin Longitude 70 10 00 W (Central Meridian)  
False Northing 0.000m  
False Easting 152400.305m  
Positive Coordinate Direction is North and East  
SF: 0.99996666667  
1:30,000 at Central Meridian

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## NAD83

### Maine East Zone 1801

Transverse Mercator Projection  
Origin Latitude 43 40 00 N  
Origin Longitude 68 30 00 W (Central Meridian)  
False Northing 0.000m  
False Easting 300000.000m  
Positive Coordinate Direction is North and East  
SF: 0.9999  
1:10,000 at Central Meridian

### Maine West Zone 1802

Transverse Mercator Projection  
Origin Latitude 42 50 00 N  
Origin Longitude 70 10 00 W (Central Meridian)  
False Northing 0.000m  
False Easting 900000.000  
Positive Coordinate Direction is North and East  
SF: 0.99996666667  
1:30,000 at Central Meridian

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## **NAD83**

### **ME2000 EAST ZONE 1811**

Transverse Mercator

Origin Latitude 43 50 00 N  
Origin Longitude 67 52 30 W (Central Meridian)  
False Northing 0.000m  
False Easting 700000.000m  
Positive Coordinate Direction is North and East  
SF: 0.99998  
1:50,000 at Central Meridian

## **NAD83**

### **ME2000 CENTRAL ZONE 1812**

Transverse Mercator Projection

Origin Latitude 43 30 00 N  
Origin Longitude 69 07 30 W (Central Meridian)  
False Northing 0.000m  
False Easting 500000.000m  
Positive Coordinate Direction is North and East  
SF: 0.99998  
1:50,000 at Central Meridian

## **NAD83**

### **ME2000 WEST ZONE 1813**

Transverse Mercator Projection

Origin Latitude 42 50 00 N  
Origin Longitude 70 22 30 W (Central Meridian)  
False Northing 0.000m  
False Easting 300000.000m  
Positive Coordinate Direction is North and East  
SF: 0.99998  
1:50,000 at Central Meridian

**Note:** Although at this time, April 2015, the National Geodetic Survey has not officially adopted the ME2000 3 new zones coordinate system. The 3 zones do appear in the U. S. Army Corps of Engineer's CORPSCON software bearing the 1811, 1812, 1813 for the newly defined East, Central, and West Zones respectively. The four digit designation is probably not an official FIPS Zone, as they are called. ME2000 Zones also are available in Trimble, Leica, and Topcon software, as well as others.

Around 1986, when NGS published the NAD83 Datum values, there was no 'realization' in parenthesis following NAD83. As NGS improved adjustments, we began using NAD83(1992), NAD83(CORS), NAD83(1996), NAD83(2007), and now NAD83(2011), actually using NAD83(2011) Epoch 2010. When denoting the realization that resulted directly out of NAD27 conversions, such as through NGS LEFTI program, we are now noting that realization as NAD83(1986).

Plane Coordinate projection zone metadata follows the NAD83(2011) as shown above.

We are also using Geoid 12, or 12A, in which essentially there is no difference in our part of the world.

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# Universal Transverse Mercator Projection

## UTM Zone 19 North

Transverse Mercator Projection

Origin Latitude 00 00 00 N  
Origin Longitude 69 00 00 W (Central Meridian)  
False Northing 0.000m  
False Easting 500000m  
Positive Coordinate Direction is North and East  
SF: 0.9996  
1:2500 at Central Meridian

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## Canadian Plane Rectangular Coordinate System New Brunswick Plane Rectangular Coordinate System

Stereographic Double Projection

Origin Latitude 46 30 00 N  
Origin Longitude 66 30 00 W  
False Northing 7,500,000m  
False Easting 2,500,000m  
Positive Coordinate Direction is North and East  
SF: 0.999912  
1:11,363.6363... at Central Meridian

Ellipsoid:

NAD83(CSRs) otherwise known as GRS80  
Semi-major axis (Equatorial Radius) = 6,378,137.0m  
Semi-minor axis (Polar Semi-diameter) = 6,356,752.3141  
Radius of Projection Sphere is 6,379,222.285

## Zone Definitions Used in New Hampshire

### NAD27

#### New Hampshire 2800

Transverse Mercator Projection

Origin Latitude 42 30 00 N  
Origin Longitude 71 40 00 W (Central Meridian)  
False Northing 0.000m  
False Easting 152400.3048m  
Positive Coordinate Direction is North and East  
SF: 0.9999666666666667  
1:xxxxxx at Central Meridian

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# NAD83

## New Hampshire 2800

Transverse Mercator Projection

Origin Latitude 42 30 00 N

Origin Longitude 71 40 00 W (Central Meridian)

False Northing 0.00000000m

False Easting 300000.000m

Positive Coordinate Direction is North and East

SF: 0.999966666666667

1:xxxxxx at Central Meridian