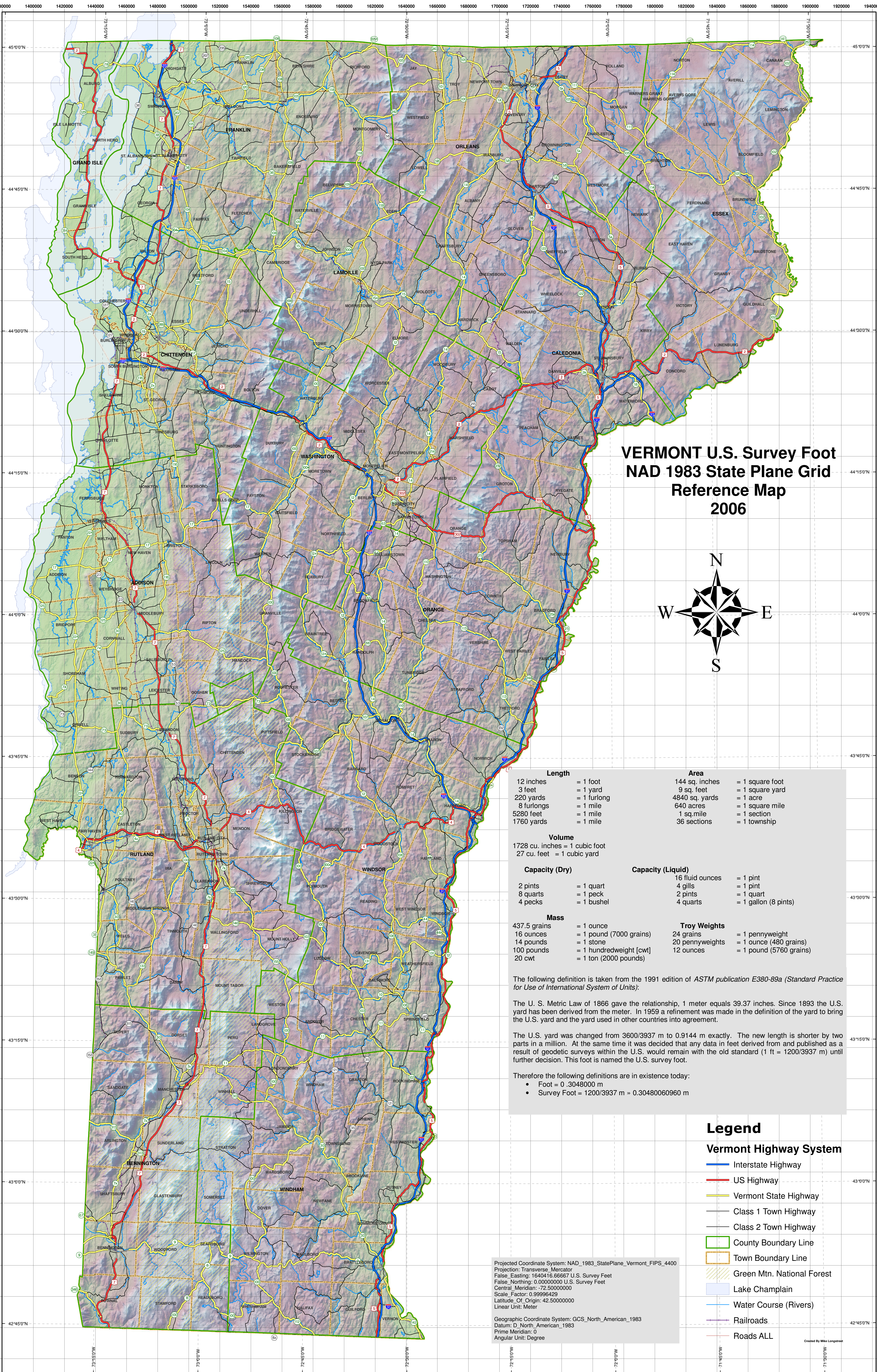
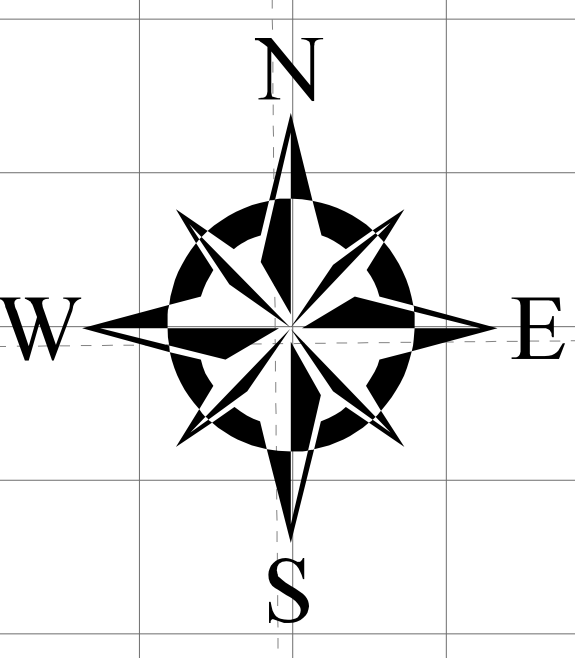




VERMONT U.S. Survey Foot
NAD 1983 State Plane Grid
Reference Map
2006



Length		Area	
12 inches	= 1 foot	144 sq. inches	= 1 square foot
3 feet	= 1 yard	9 sq. feet	= 1 square yard
220 yards	= 1 furlong	4840 sq. yards	= 1 acre
8 furlongs	= 1 mile	640 acres	= 1 square mile
5280 feet	= 1 mile	1 sq. mile	= 1 section
1760 yards	= 1 mile	36 sections	= 1 township
Volume		Capacity (Dry)	
1728 cu. inches	= 1 cubic foot	2 pints	= 1 quart
27 cu. feet	= 1 cubic yard	8 quarts	= 1 peck
		4 pecks	= 1 bushel
Mass		Capacity (Liquid)	
437.5 grains	= 1 ounce	16 fluid ounces	= 1 pint
16 ounces	= 1 pound (7000 grains)	4 gills	= 1 pint
14 pounds	= 1 stone	2 pints	= 1 quart
100 pounds	= 1 hundredweight [cwt]	4 quarts	= 1 gallon (8 pints)
20 cwt	= 1 ton (2000 pounds)		
		Troy Weights	
		24 grains	= 1 pennyweight
		20 pennyweights	= 1 ounce (480 grains)
		12 ounces	= 1 pound (5760 grains)

The following definition is taken from the 1991 edition of *ASTM publication E380-89a (Standard Practice for Use of International System of Units)*:

The U. S. Metric Law of 1866 gave the relationship, 1 meter equals 39.37 inches. Since 1893 the U.S. yard has been derived from the meter. In 1959 a refinement was made in the definition of the yard to bring the U.S. yard and the yard used in other countries into agreement.

The U.S. yard was changed from 3600/3937 m to 0.9144 m exactly. The new length is shorter by two parts in a million. At the same time it was decided that any data in feet derived from and published as a result of geodetic surveys within the U.S. would remain with the old standard (1 ft = 1200/3937 m) until further decision. This foot is named the U.S. survey foot.

Therefore the following definitions are in existence today:

- Foot = 0.3048000 m
- Survey Foot = 1200/3937 m ≈ 0.30480060960 m

- Legend**
- Vermont Highway System**
- Interstate Highway
 - US Highway
 - Vermont State Highway
 - Class 1 Town Highway
 - Class 2 Town Highway
 - County Boundary Line
 - Town Boundary Line
 - Green Mtn. National Forest
 - Lake Champlain
 - Water Course (Rivers)
 - Railroads
 - Roads ALL

Projected Coordinate System: NAD_1983_StatePlane_Vermont_FIPS_4400
Projection: Transverse_Mercator
False_Easting: 1640416.66667 U.S. Survey Feet
False_Northing: 0.00000000 U.S. Survey Feet
Central_Meridian: -72.50000000
Scale_Factor: 0.99996429
Latitude_Of_Origin: 42.50000000
Linear Unit: Meter

Geographic Coordinate System: GCS_North_American_1983
Datum: D_North_American_1983
Prime Meridian: 0
Angular Unit: Degree

Created By Mike Longmire