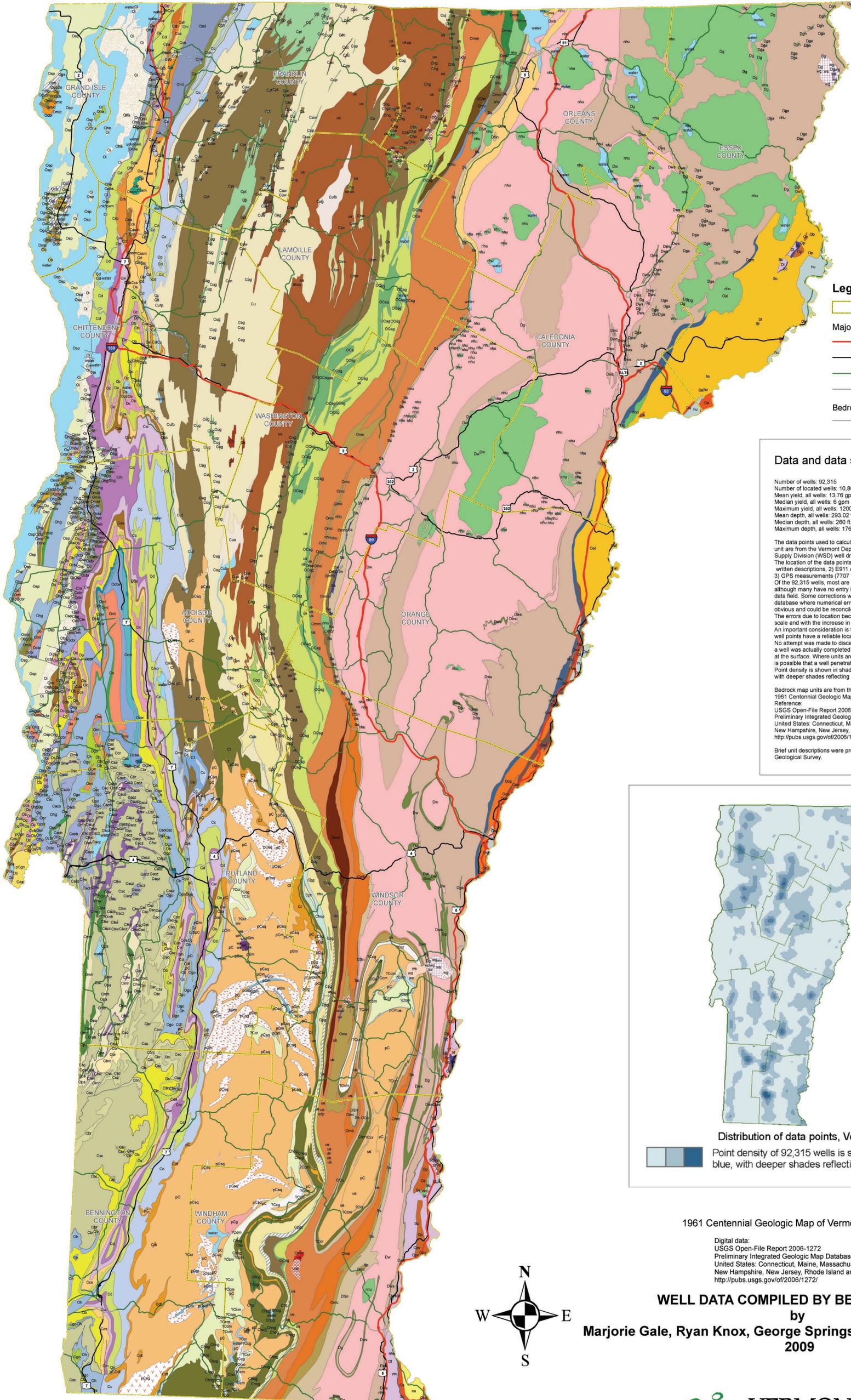


THIS MAPS AND THE DATA PRESENTED ON PLATE 2 ARE A SUMMARY OF WATER WELL DATA COMPILED BY VARIOUS GEOLOGIC FEATURES. THE MAP IS NOT PROBABALISTIC.



- Legend**
- VT County Boundary
 - Major Roads**
 - Interstate Highway
 - US Highway
 - Vermont State Highway
 - Class 1 Town Highway - Bedrock Map Unit - refer to Plate 2**
 - Fault - normal, reverse or thrust

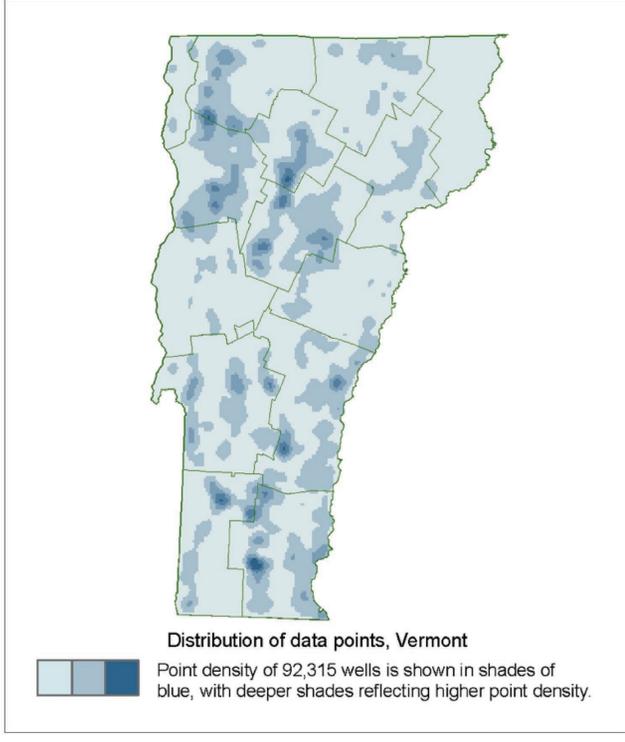
Data and data sources

Number of wells: 92,315
 Number of located wells: 10,807
 Mean yield, all wells: 13.76 gpm
 Median yield, all wells: 6 gpm
 Maximum yield, all wells: 1200 gpm
 Mean depth, all wells: 293.02 ft.
 Median depth, all wells: 260 ft.
 Maximum depth, all wells: 1765 ft.

The data points used to calculate values for each bedrock unit are from the Vermont Dept. of Environmental Conservation Water Supply Division (WSD) well driller database. The location of the data points is from 1) well driller maps and written descriptions, 2) ES11 addresses (3100 wells), and 3) GPS measurements (7707 wells). Of the 92,315 wells, most are completed in bedrock, although many have no entry in the 'well type' data field. Some corrections were made to the database where numerical errors were obvious and could be reconciled with a driller report. The errors due to location become less significant at a smaller scale and with the increase in area of a given formation. An important consideration is that only 12% of the well points have a reliable location. No attempt was made to discern the rock type in which a well was actually completed as compared to the rock type at the surface. Where units are thin and shallow dipping, it is possible that a well penetrates one or more formations. Point density is shown in shades of blue, with deeper shades reflecting higher point density.

Bedrock map units are from the USGS digital data of the 1961 Centennial Geologic Map of Vermont, scale 1:250,000.
 Reference:
 USGS Open-File Report 2006-1272
 Preliminary Integrated Geologic Map Databases for the United States: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, Rhode Island and Vermont
<http://pubs.usgs.gov/of/2006/1272/>

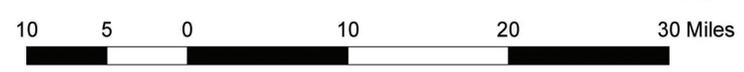
Brief unit descriptions were provided by the Vermont Geological Survey.



1961 Centennial Geologic Map of Vermont, C. Doll, ed.

Digital data:
 USGS Open-File Report 2006-1272
 Preliminary Integrated Geologic Map Databases for the United States: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, Rhode Island and Vermont
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WELL DATA COMPILED BY BEDROCK UNIT
 by
Marjorie Gale, Ryan Knox, George Springston and Laurence Becker
 2009



SCALE 1:250,000



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