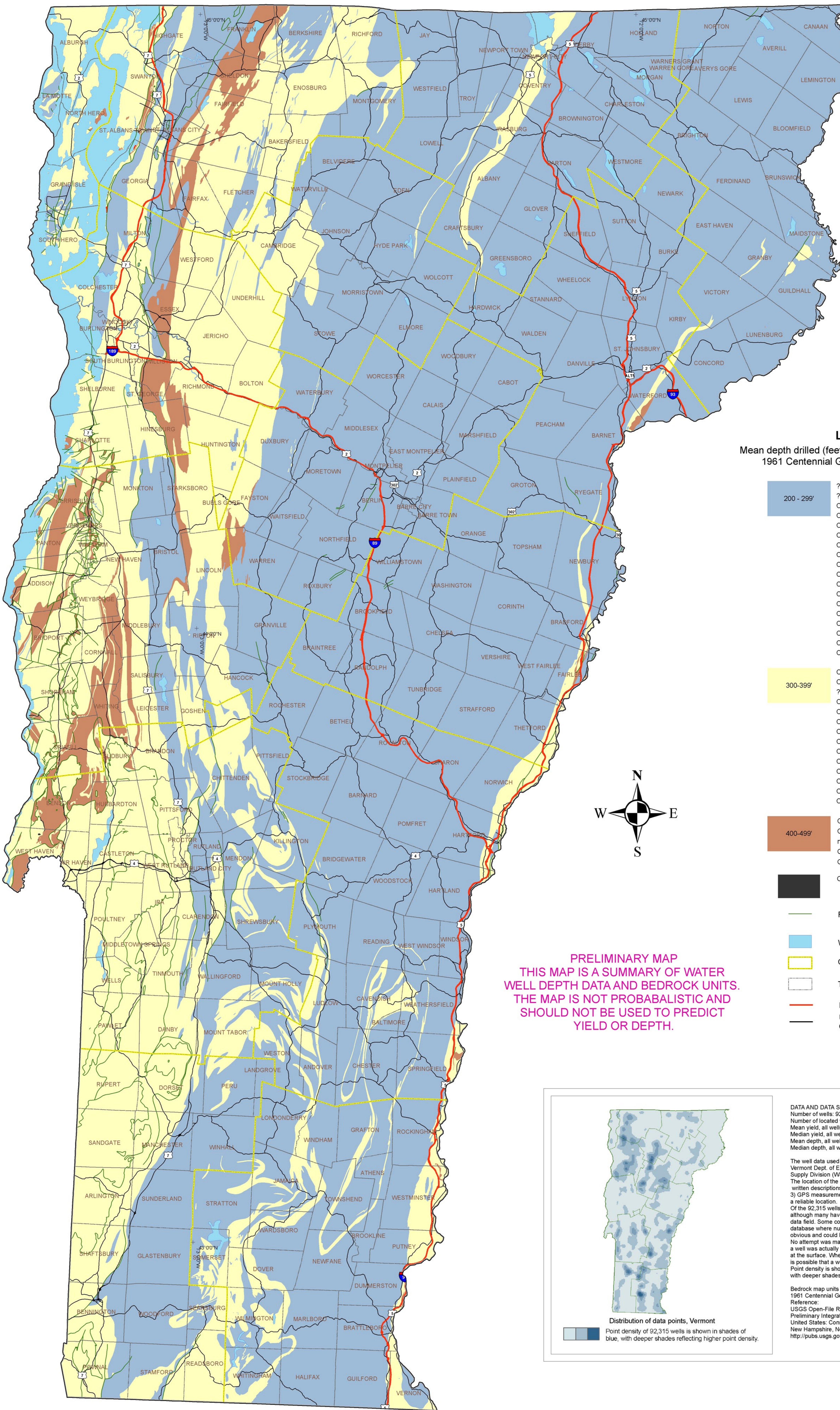
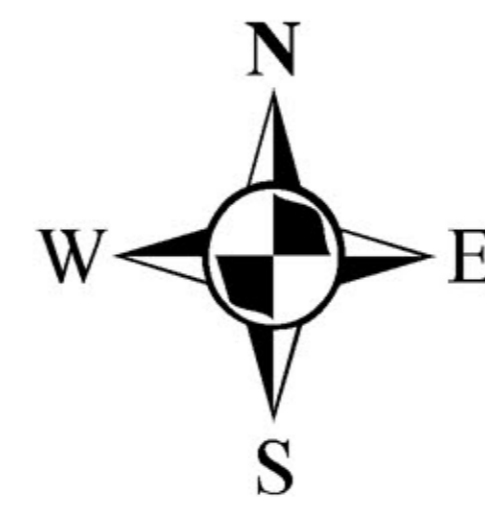


PRELIMINARY MAP

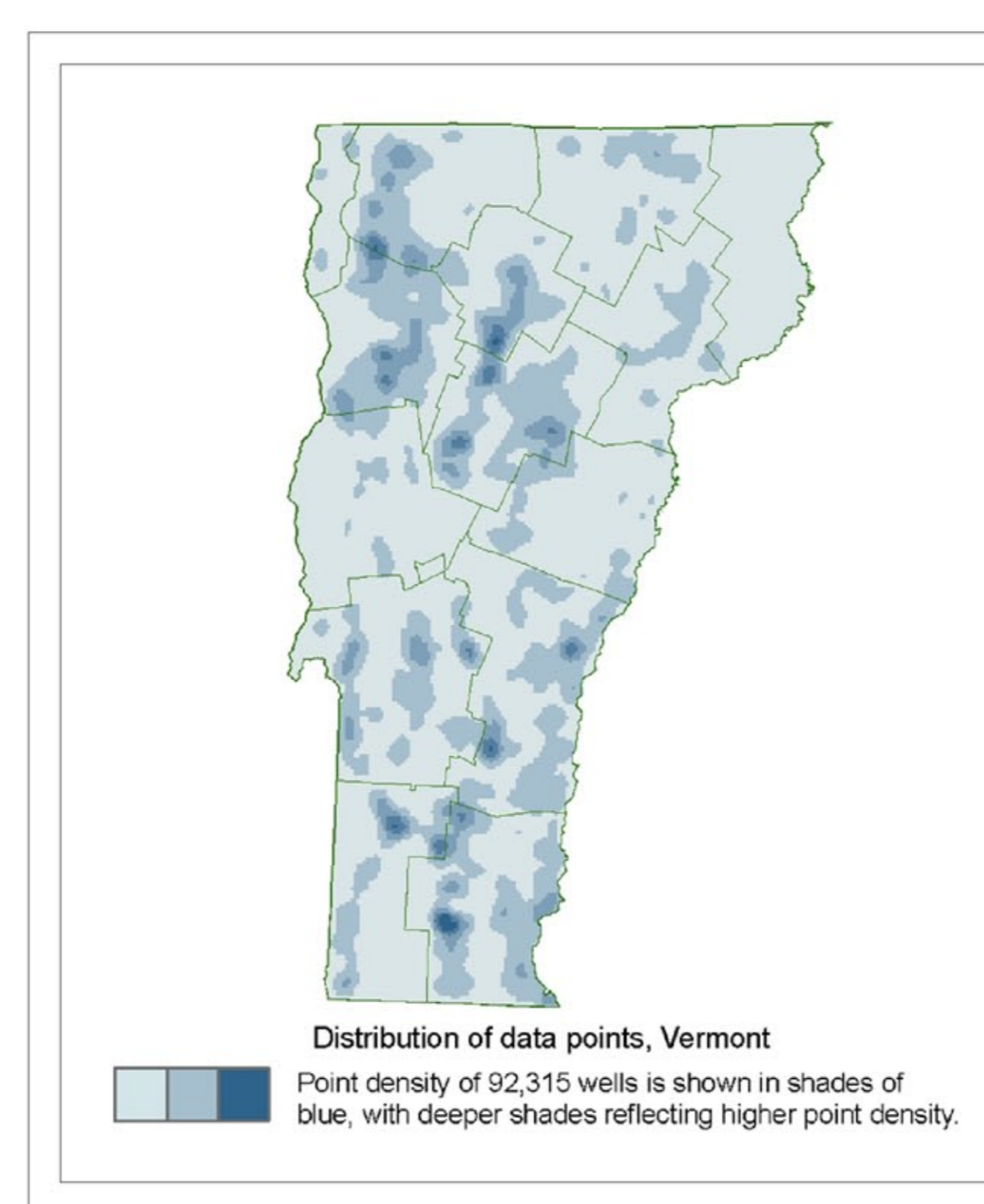


Legend
 Mean depth drilled (feet) by rock unit (symbology from 1961 Centennial Geologic Map of Vermont).

200 - 299'	?Cg	Cph	OCs	Omw	
	?Ccm	Cpt	OCsc	nhu	
	Cbh	Crb	OCsg	ou	
	Cc	Cs	OCu	pC	
	Cd	Csb	Oa	pCm	
	Cdt	Ct	Oal	Ss	
	Cf	Cub	Och	udp	
	Ch	Cuc	Ogl	us	
	Chb	Cufb	Ogs	uu	
	Chg	Cuj	Omb	wd	
	Chm	DSn	Omc	we	
	Chop	Dg	Omco	wg	
	Cmo	Dga	Omc	wle	
	Co	Dgh	Omh	wn	
	Cpa	Dw	Omid	ws	
	Cpc	Dwc	Omv	wv	
	Cpg	Dws	Oml		
	Cpgc	hu	Omm		
	300-399'	Cbr	Cscb	Dwb	Omu
		Cbrc	Cscz	nhb	Oo
?Ccr		Csh	Ob	Oof	
Ccs		Csr	Obb	Oop	
Cda		Cssm	Oc	Op	
Cho		Cu	Ocb	Opa	
Chog		Cuf	Ocbe	Opv	
Cht		Cug	Ocb	Os	
Chw		Cup	Ogo	Osp	
Cm		Cuw	Oh	pCg	
Cog		Cw	Ohi	pCsg	
Cp		Dgm	Oi	pCsq	
Csa		Di	Omh	Sc	
Csc		Dwa	Omic		
400-499'		Cua	Ohg		
		Cufp	Omi		
	nhd	Oos			
	Ocw	pCgn			
	Oha	Sf			
Oor	no data				



PRELIMINARY MAP
 THIS MAP IS A SUMMARY OF WATER WELL DEPTH DATA AND BEDROCK UNITS. THE MAP IS NOT PROBABALISTIC AND SHOULD NOT BE USED TO PREDICT YIELD OR DEPTH.



DATA AND DATA SOURCES:
 Number of wells: 92,315
 Number of located wells: 10,807
 Mean yield, all wells: 13.78 gpm
 Median yield, all wells: 6 gpm
 Mean depth, all wells: 293.02 ft.
 Median depth, all wells: 260 ft.

The well data used in this study is a derivative set of 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) E911 addresses (3100 wells), and 3) GPS measurements (7707 wells). Only 12% of wells have a reliable location.

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. 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 from the USGS digital data from 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/>



Scale 1:250,000

Mean Depth (FT) of Water Wells Compiled by Bedrock Unit, Vermont
 by
 Marjorie Gale, Ryan Knox, George Springston and Laurence Becker
 2009

PRELIMINARY MAP