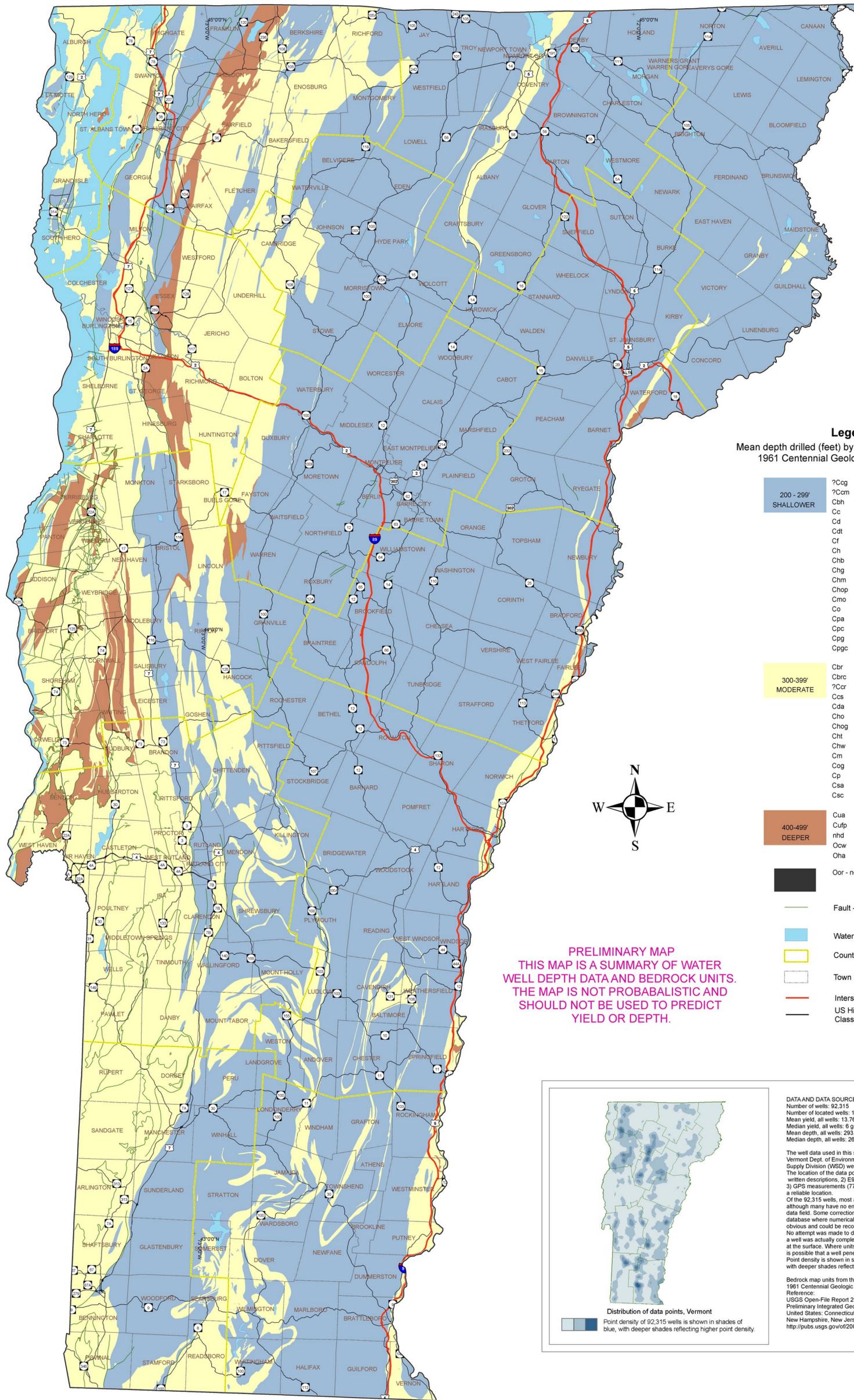


PRELIMINARY MAP

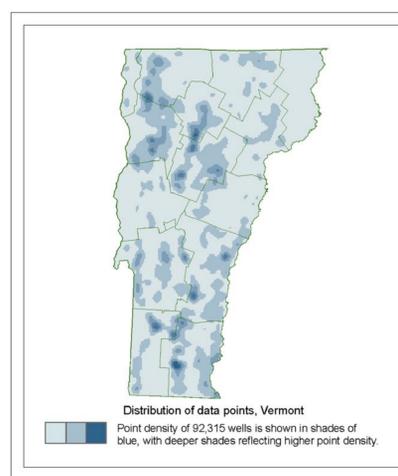


**Legend**  
 Mean depth drilled (feet) by rock unit (symbology from 1961 Centennial Geologic Map of Vermont).

200 - 299' SHALLOWER	?Cg	Cph	OCs	Omw
	?Cm	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' MODERATE	Cbr	Cscb	Dwb	Omu
	Cbc	Cscz	nhb	Oo
	?Ccr	Csh	Ob	Oof
	Ccs	Csr	Oob	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' DEEPER	Cua	Ong	
Cufp		Omi		
Oor - no data	nhd	Oos		
	Ocw	pCgn		
Fault - normal, reverse or thrust	Oha	Sf		



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.

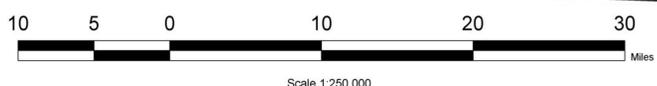


**DATA AND DATA SOURCES:**  
 Number of wells: 92,315  
 Number of located wells: 10,807  
 Mean yield, all wells: 13.78 gpm  
 Median yield, all wells: 6 gpm  
 Mean depth, all wells: 293.02 ft.  
 Median depth, all wells: 280 ft.

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/>



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

PRELIMINARY MAP