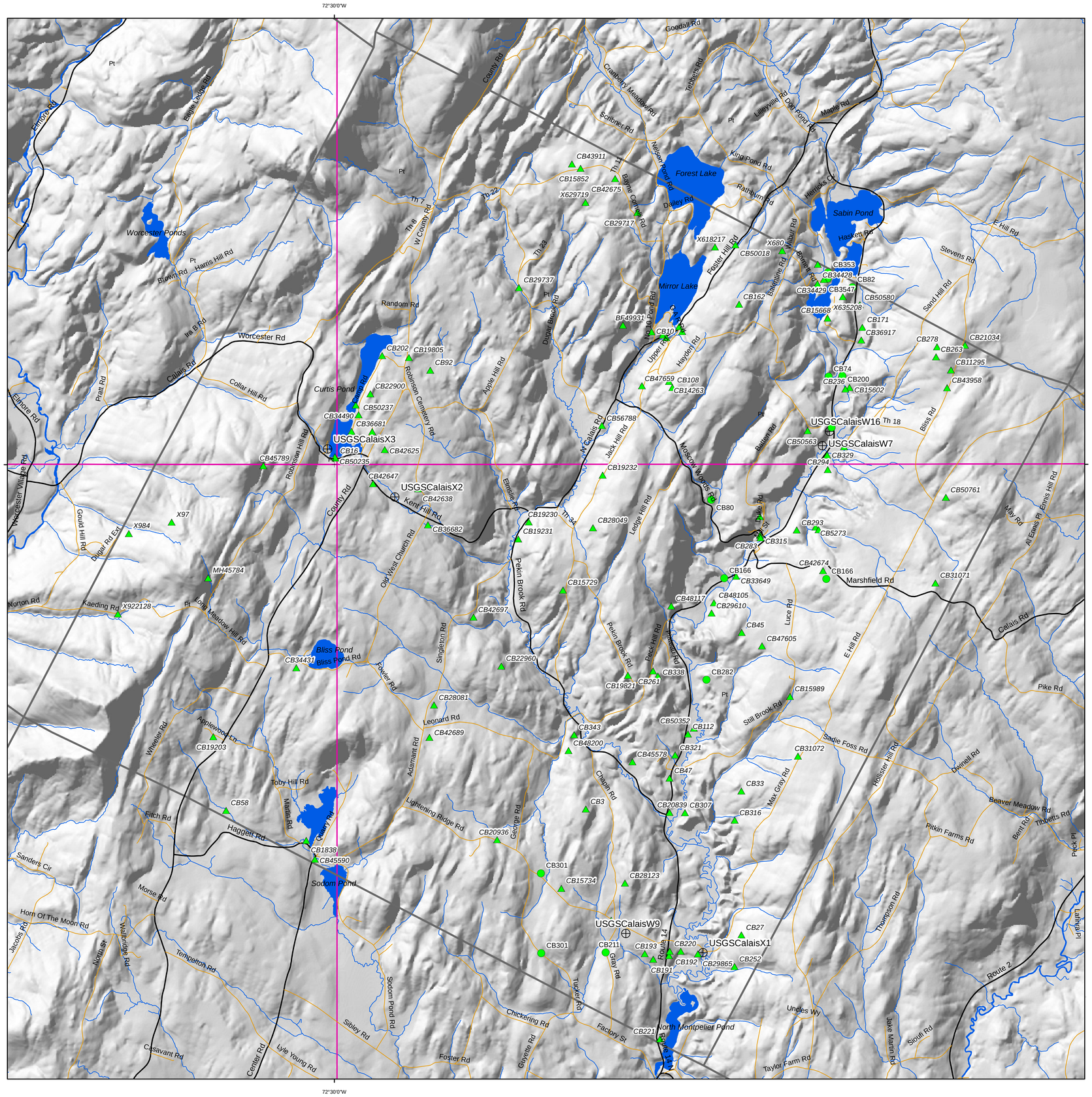
Geology and Hydrogeology of Calais,Vermont
Springston and others, 2016
Vermont Geological Survey
Open File Report VG2016-1, Plate 3



- Bedrock Wells
- Gravel Wells
- Borings
- Minor Roads
- Major Roads
- Streams
- Water Bodies
- Town Boundaries
- Quadrangle Boundaries

EXPLANATION

This plate shows locations of water wells and borings. As many of the older wells have uncertain locations, only wells with verified locations are used in this analysis. Newer wells with driller-reported GPS locations or E911 addresses are assumed to be close to the correct locations. Other well locations have been verified by use of State records of hazardous waste sites and septic systems, searches of town records, local knowledge, or online searches to verify that the listed owner has a residence at the location shown.

Scale 1:24,000

Miles: 0 1 2 3

Kilometers: 0 1 2 3 4 5

Magnetic declination
14.8 degrees west, 2015

Base map from Vt. Center for Geographic Information.
Coordinate System: Vermont State Plane, meters, NAD 83.
Geographic coordinates shown at topo corners are in NAD 83.

Digital cartography by George Springston, August 16, 2016.
Research supported by the Vermont Geological Survey,
Dept. of Environmental Conservation, VT ANR.

The views and conclusions contained in this document are those of the authors and should not be interpreted as necessarily representing the official policies, either expressed or implied, of the State of Vermont.

Well and Boring Locations, Calais, Vermont

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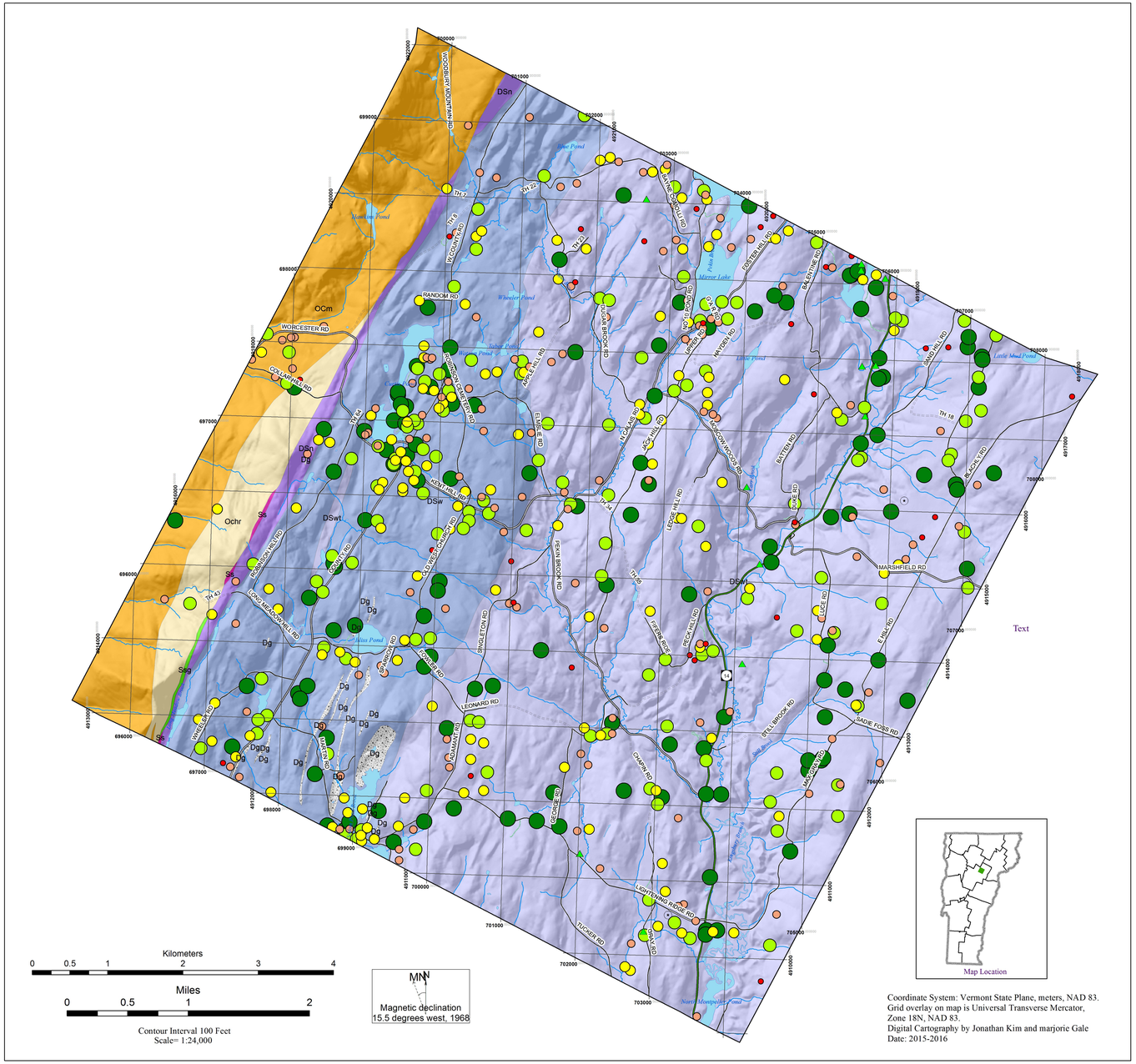


Legend

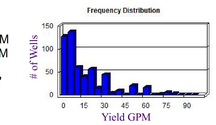
Reported Well Yield in Gallons per Minute (GPM)

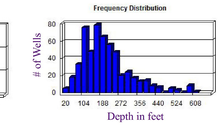
- 0.00 - 1.00
- 1.01 - 5.00
- 5.01 - 10.00
- 10.01 - 20.00
- 20.01 - 156.00

Reported Well Yield and Depth for Water Wells

Gravel Wells
Number of Wells: 12
Mean Yield GPM: 54.9 GPM
Min - max Yield: 0-156 GPM
Mean Depth (feet):127.5'
Min - max Depth: 60' - 275'

Bedrock Wells
Number of Wells: 546
Mean Yield GPM: 16.9 GPM
Min - max Yield: 0-100 GPM
Mean Depth (feet):213.4'
Min - max Depth: 20' - 625'





Well Yield and Depth by Rock Type

Dg - Granite

Number of Wells: 2/546
Mean Yield in GPM: 17.5 GPM
Min-max Yield: 5-30 GPM
Mean Depth in Feet: 142.5'
Min-max Depth: 140'-145'

DSn - phyllite

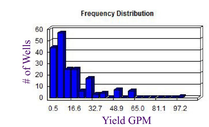
Number of Wells: 6/546
Mean Yield in GPM: 13 GPM
Min-max Yield: 3 - 50 GPM
Mean Depth in Feet: 173.8'
Min-max Depth: 55' - 365'

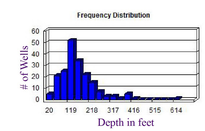
Ss Ssg

Number of Wells: 0

DSw -phyllite, sandy marble and calcareous quartzite

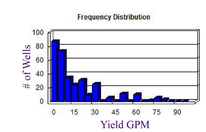
Number of Wells: 195/546
Mean Yield in GPM: 16.2 GPM
Min-max Yield: 0.5 - 100 GPM
Mean Depth in Feet: 162.7'
Min-max Depth: 20'-625'

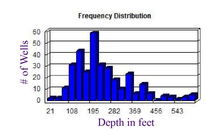




DSwt - phyllite, sandy marble and calcareous quartzite

Number of Wells: 325/546
Mean Yield in GPM: 17.8 GPM
Min-max Yield: 0 -100 GPM
Mean Depth in Feet: 244.8'
Min-max Depth: 21'- 605'



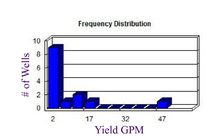


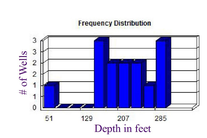
Ochr - phyllite

Number of Wells: 4/546
Mean Yield in GPM: 15.3 GPM
Min-max Yield: 1 - 30 GPM
Mean Depth in Feet: 200.5'
Min-max Depth: 122' - 265'

OCm - granofels and phyllitic granofels

Number of Wells: 14/546
Mean Yield in GPM: 9.85 GPM
Min-max Yield: 2 - 50 GPM
Mean Depth in Feet: 217.6'
Min-max Depth: 51' - 305'





Reported Water Well Yield in Gallons per Minute (GPM), Calais, Vermont

Vermont Geological Survey Open File Report VG2016-1, Plate 4

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