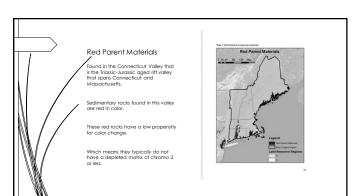


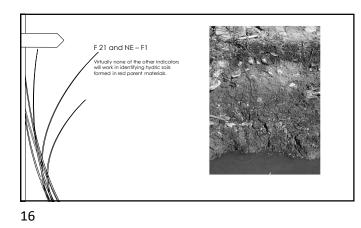


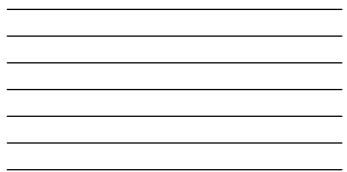
Geology – indicators are masked

NE –F1 – Glaciated Northeast Red Parent Material – (modified text) – a "B" horizon or a subsoil layer less than 10 inches from the soil surface with a hue of 7.5YR or redder, with value and chroma of 2, 3 or 4. Layer must have 5% or more redox concentrations.

14







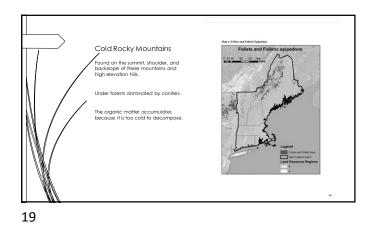


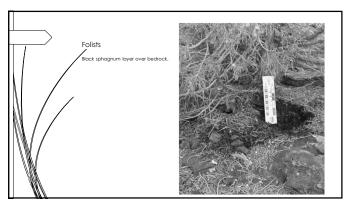


Geology – masking indicators

Folists and Folistic Epipedons – not so much geology as it is topography.

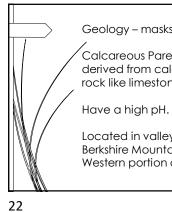
These soils have thick surface layers of organic soil materials that are 6 inches or more thick, dominated by sphagnum, and are saturated less than 30 days cumulatively during a normal year.











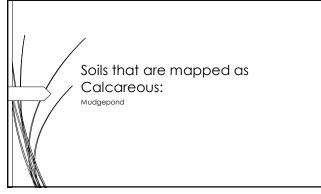
Geology – masks indicators.

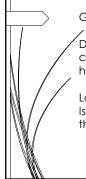
Calcareous Parent Material – term for soils derived from calcium carbonate bearing rock like limestone, dolomite or marble.

Located in valleys of the Litchfield Hills, Berkshire Mountains, Green Mountains. Western portion of NE.

Calcareous Soils Don't have as much color as other Matrix is a lighter color. More difficult to identify hydric soil indicators because the geology matrix color may already be two chroma. 23

Calcareous Soils These soils are much more extensive than the little blue area shown. From Connecticut to Maine, pockets of calcareous soils can be found in the valleys of the mountain ranges.

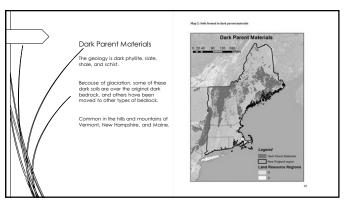


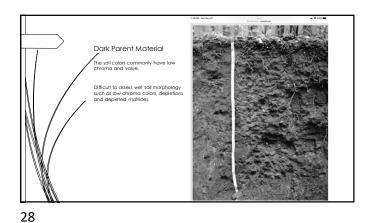


Geology – masks indicators

Dark Parent Materials – soils derived from carboniferous and phyllitic bedrock that have gray or black colors.

Located in the Narragansett Basin of Rhode Island, western MASS, western NH, and throughout Vermont.







Soils that are mapped as Dark Parent Materials:

Mansfield, Newport, Pittstown, Stissing, Bernardston, Brayton, Buckland, Cabot, Dummerston, Dutchess, Fullam, Glover, Hubbarton, Kearsarge, Lanesboro, Macomber, Mansfield, Nassau, Peacham, Pennichuck, Pittstown, Shelburne, Taconic, Vershire.

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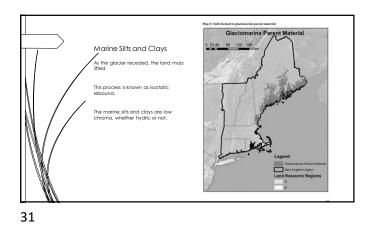


Geology – masking indicators

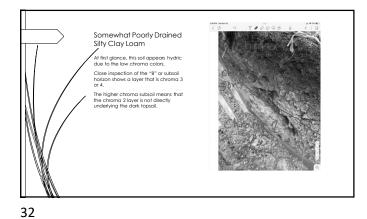
Soils formed in marine sediments are found along the coasts of Maine, New Hampshire and Massachusetts. These are called glaciomarine parent

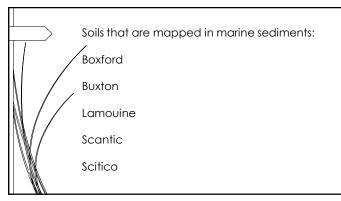
materials because the land mass was depressed by the weight of the glacier below sea level.

The silts and clays were deposited under the sea water, then the land lifted.

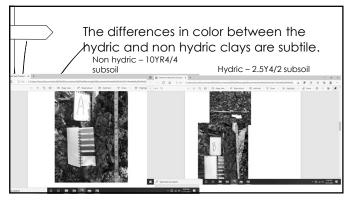


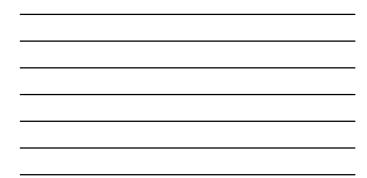












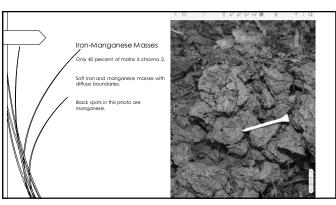


Other indicators that could be false positives:

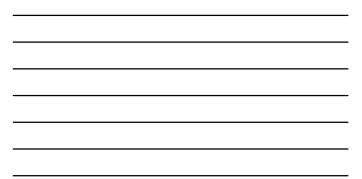
F 12 – Iron-Manganese Masses – on flood plains. Chroma 2 layer with 2 % or more iron or manganese masses.

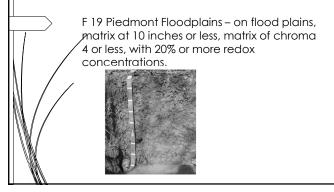
Layer less than 8 inches from soil surface.

Iron-manganese masses are commonly black.











F 22 – Very Shallow Dark Surface – in depressions or floodplains.

Bedrock is between 6" and 10 " and loamy soil has a value of 2.5 or less and chroma 1 or less (black).

Bedrock is less than 6" and similar soil colors above for $\frac{1}{2}$ the thickness and the rest is chroma 2 or less.





NE – A2 – Dark Muck or Mucky Peat

A surface layer of muck or mucky peat (sapric or hemic) 4" thick but less than 8" thick and underlain by mineral soil of chroma 2 or less.

Not difficult to apply the morphology and relatively common. This is the old concept of the very poorly drained soil for NH septics.

40



NE – A1 – Frigid Spodic – less than 6" from the soil surface, a layer with a value of 4 or more and chroma 2 or less (albic) where oxides have been stripped from the matrix and the primary case color is exposed. With 2 % redox concentrations.

Immediately below the stripped layer is a layer of accumulation of illuvial organic carbon, aluminum or iron at least 3" thick.



