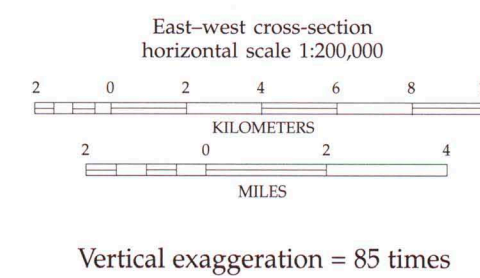
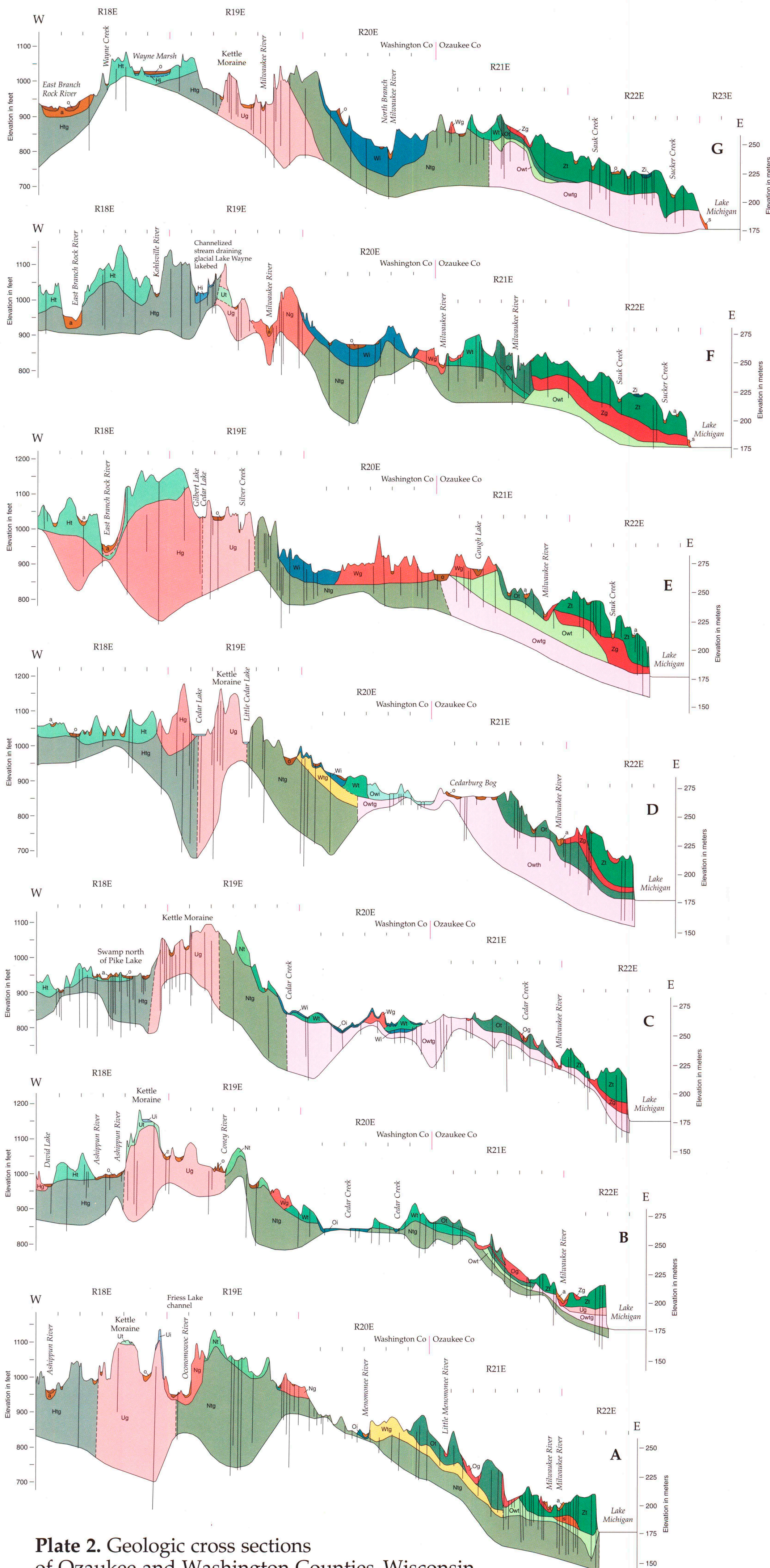
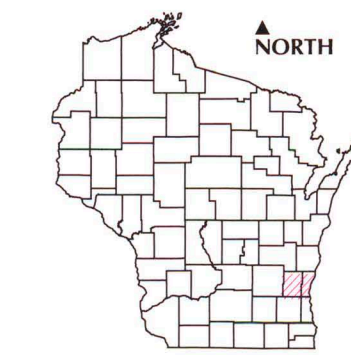
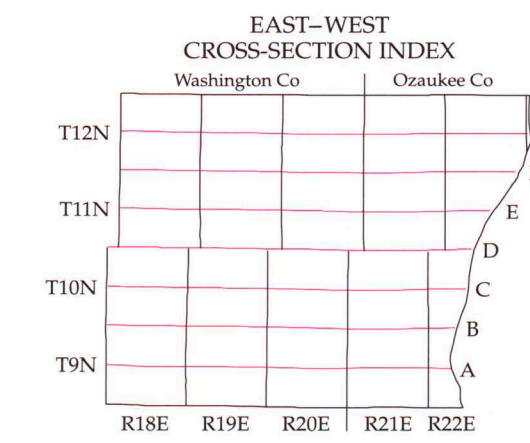


David M. Mickelson and Kent M. Syverson
 1997



Vertical exaggeration = 85 times



East-west cross sections showing Quaternary deposits exposed in the Lake Michigan shore bluffs of Ozaukee and Washington Counties, Wisconsin

Undifferentiated units

- Stream deposited silt; sand and organic deposits of modern streams
- Organic sediment
- Modern beach sand

Ozaukee Member of the Kewaunee Formation

- Zt Diamiction
- Zg Stream gravel and sand
- Zl Lake silt and sand

Oak Creek Formation

- Oa Diamiction
- Og Stream gravel and sand
- Ol Lake silt and sand

Waubeka Member of the Holy Hill Formation

- Wt Diamiction
- Wg Stream gravel and sand
- Lt Lake silt and sand
- Wng Diamiction, gravel, and sand

New Berlin Member of the Holy Hill Formation

- Nt Diamiction
- Ng Stream gravel and sand
- Nl Lake silt and sand
- Nng Diamiction, gravel, and sand

Horicon Member of the Holy Hill Formation

- Ht Diamiction
- Hg Stream gravel and sand
- Hl Lake silt and sand
- Hng Diamiction, gravel, and sand

Undifferentiated Holy Hill Formation

- Ut Diamiction
- Ug Stream gravel and sand
- Ul Lake silt and sand

Oak Creek Formation and Waubeka and New Berlin Members of the Holy Hill Formation

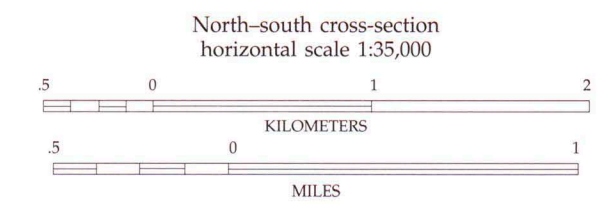
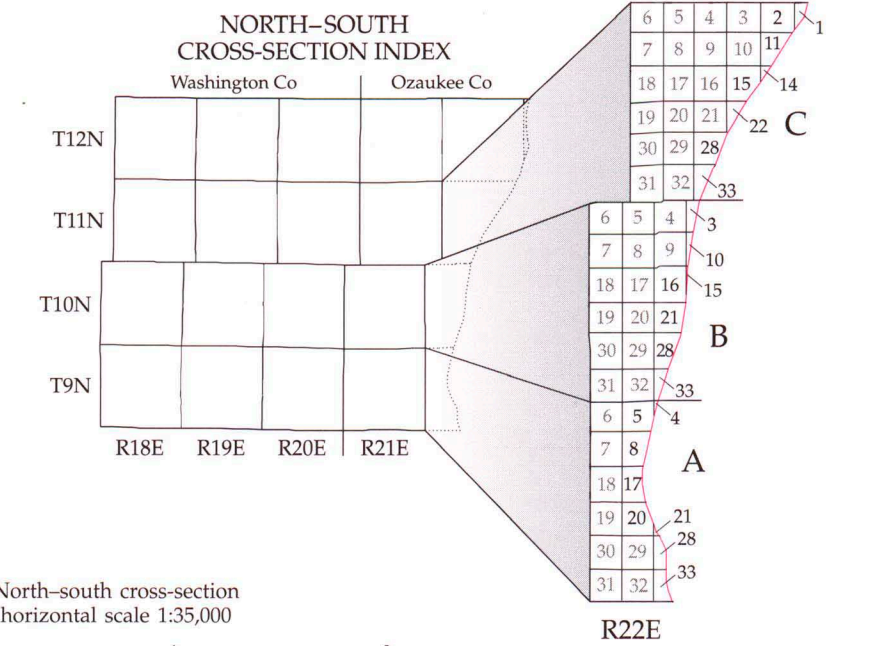
- Owt Diamiction
- Owl Lake silt and sand
- Owtg Diamiction, gravel, and sand

Note: The cross sections were constructed by using some wells from as far as 1.5 miles north or south of the section. As a result, the top elevation of some wells appears here to be below that of the ground surface along the section line. However, for those wells whose top elevation appeared higher than the ground elevation, the part of the well that extended above the ground surface is not shown.

Geologic contact. Continuous where the position shown on sections is generally within 3 m of the true position; dashed where the position shown is commonly more than 3 m from the true position.

North-south cross sections showing Quaternary deposits exposed in the Lake Michigan shore bluffs of Ozaukee County, Wisconsin

- Zt Till of the Ozaukee Member
- Ot Till of the Oak Creek Formation
- Wt Till of the Waubeka Member
- Nt Till of the New Berlin Member
- Od Interbedded silt and waterlaid diamiction of the Oak Creek Formation
- ms Nearshore lake sediment composed of medium- and coarse-grained sand
- sgl(2) Sand or sand and gravel deposited in outwash stream or delta; may include some beach sediment. Number in parentheses is estimate of diameter in inches of the coarsest 90th percentile of clasts in the gravel fraction.
- sl Lake sediment composed primarily of silt
- sfs Lake sediment composed of interbedded silt and fine sand
- slcl Lake sediment composed of interbedded silt and clay



Vertical exaggeration = 39 times

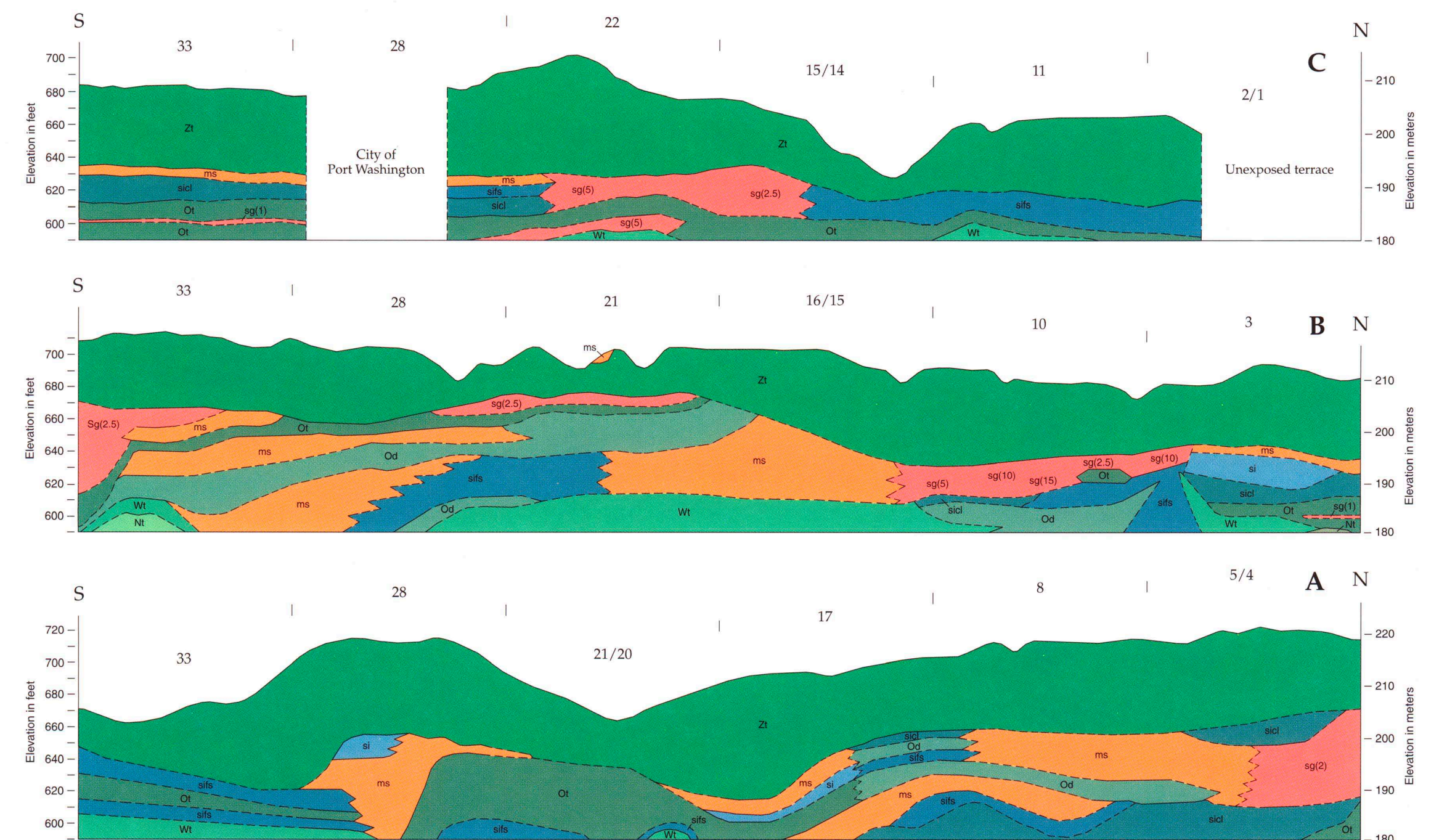


Plate 2. Geologic cross sections of Ozaukee and Washington Counties, Wisconsin.

These cross sections are an interpretation of the data available at the time of preparation. Every reasonable effort has been made to ensure that this interpretation conforms to sound scientific and cartographic principles; however, the cross sections should not be used to guide site-specific decisions without verification. Proper use of the cross sections is the sole responsibility of the user.

Digital cartography and editing by D.L. Patterson.



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