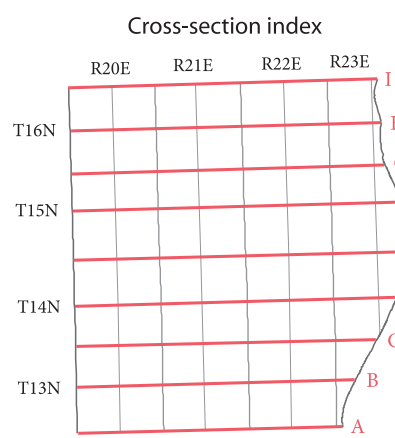
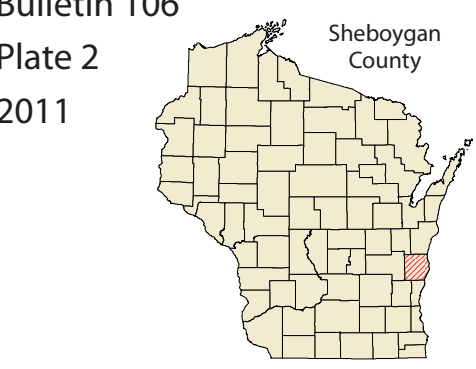


Geologic cross sections of Sheboygan County, Wisconsin

Anders E. Carlson, Sarah M. Principato,
Dawn M. Chapel, and David M. Mickelson

Bulletin 106
Plate 2
2011



Note: These cross sections are diagrammatic in the sense that well data have been projected to the cross section line from up to 2 miles away. Thus, depths to bedrock and distribution of units are not exact along section lines. Interpretation of stratigraphic classification and material type is based mostly on well construction reports and not from drilling associated with this mapping project.

Explanation

Postglacial deposits

- o** Organic sediment and alluvium. Peat, muck, and poorly drained stream deposits shown only where extensive. All post-glacial in age.
- s** Beach and nearshore sand deposited in the Nipissing and later stages of Lake Michigan.

Kewaunee Formation

- Vd** Valders Member diamicton, silt, and clay. Mostly basal till with some glacial lake sediment.
- Vgs** Valders Member sand. Mostly sand with some gravel. Deposited by streams.
- Vi** Valders Member silty and sandy lake sediment deposited in ice marginal lakes. Some of these sediments may be part of the Two Rivers Member of the Kewaunee Formation.
- Zd** Ozaukee Member diamicton, silt, and clay. Mostly basal till with some glacial lake sediment.
- Zgs** Ozaukee Member gravel and sand. Mostly sand with some gravel. Deposited by streams.
- Zi** Ozaukee member silt. Mostly laminated or massive silt, sand, and clay. Deposited in former lakes.

Oak Creek Formation

- Od** Oak Creek Formation diamicton, silt, and clay. Mostly basal till with some glacial lake sediment.
- Ogs** Oak Creek Formation gravel and sand. Mostly sand with some gravel. Deposited by streams.

Holy Hill Formation (members undifferentiated)

- Hd** Holy Hill Formation diamicton. Mostly basal till with some stream sediment (sand and gravel).
- Hgs** Holy Hill Formation sand and gravel, undifferentiated. Mostly stream sediment (sand and gravel) with some diamicton.
- Hi** Holy Hill Formation silt. Mostly laminated or massive silt, sand, and clay. Deposited in former lakes.

Other formations

- Xd** Hayton and possibly older diamicton, with some sand and gravel, silt, and clay, undifferentiated.
- Xgs** Hayton and possibly older sand and gravel, silt, and clay, undifferentiated. May contain some diamicton as well.

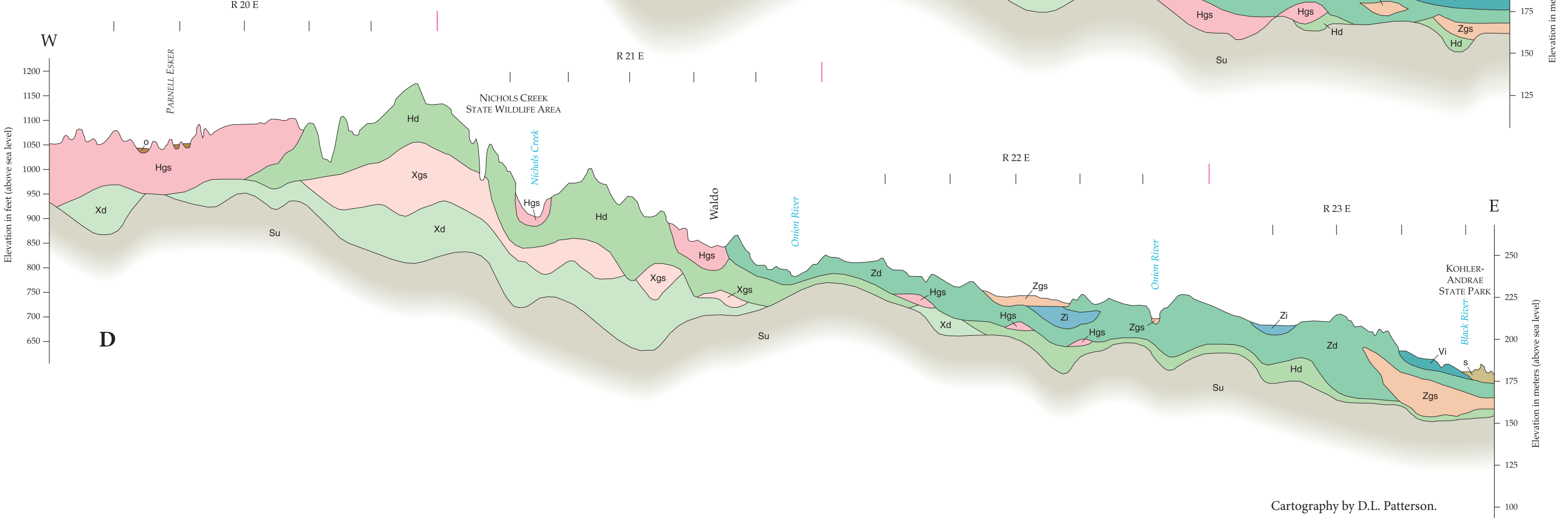
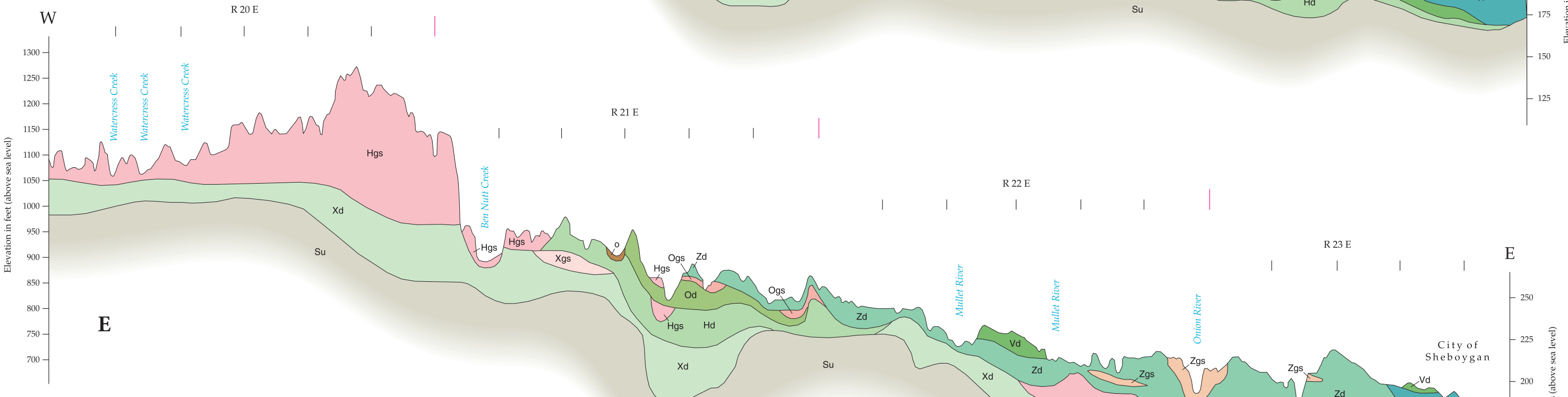
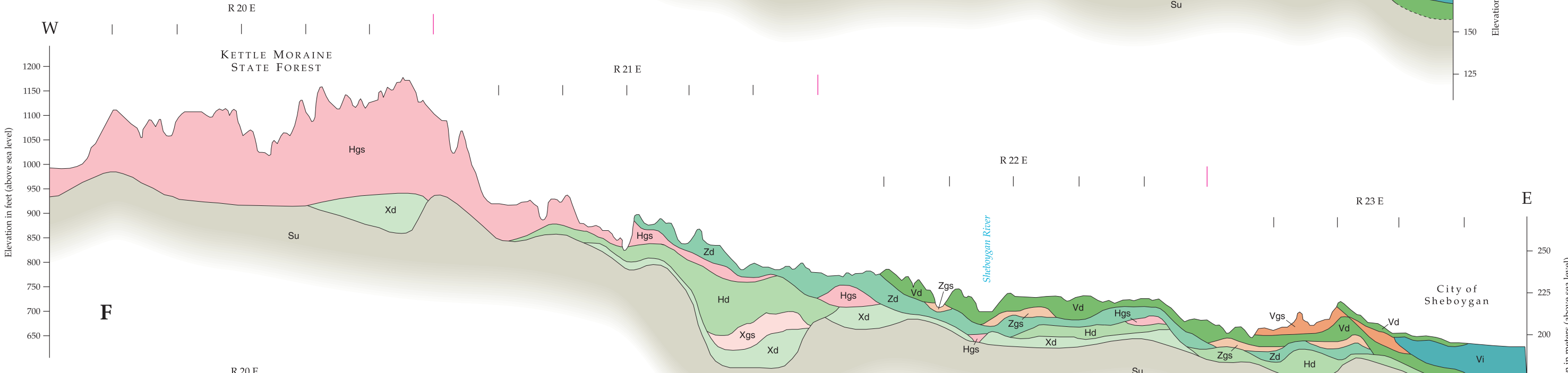
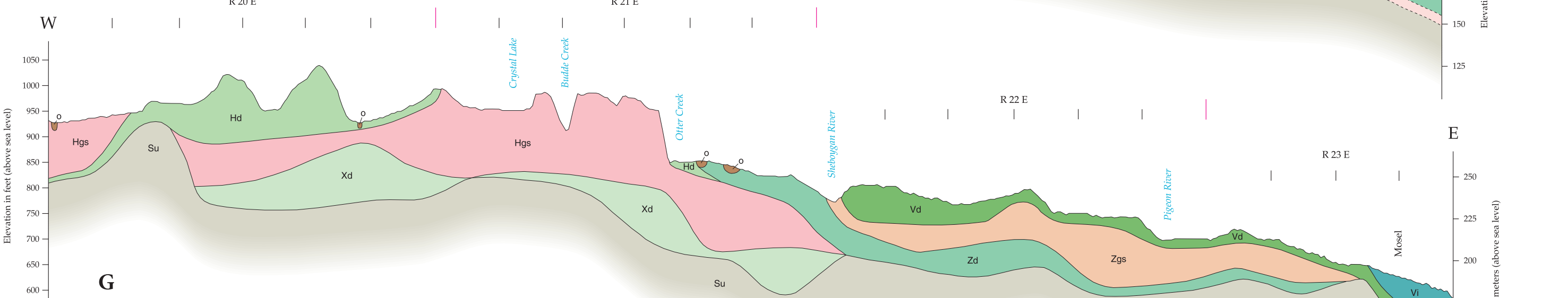
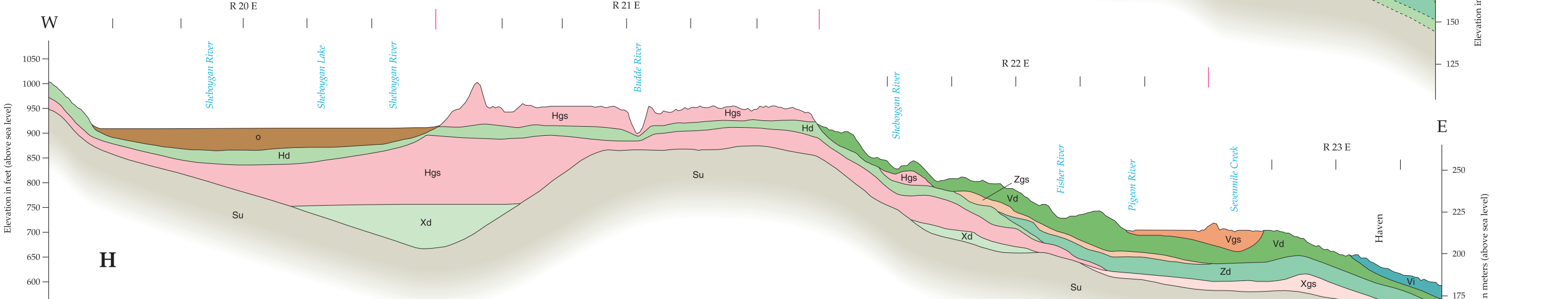
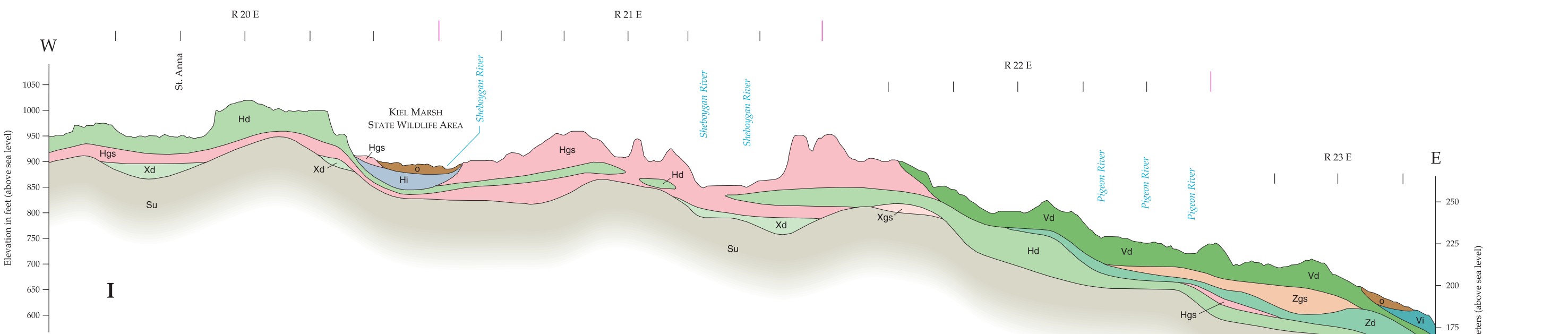
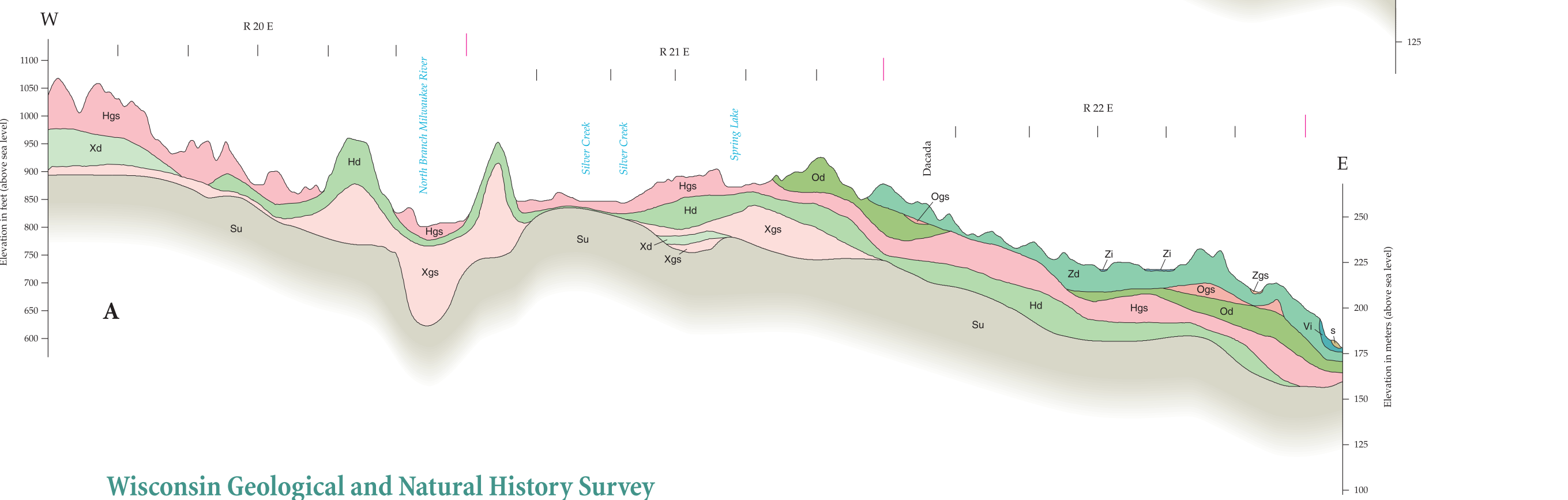
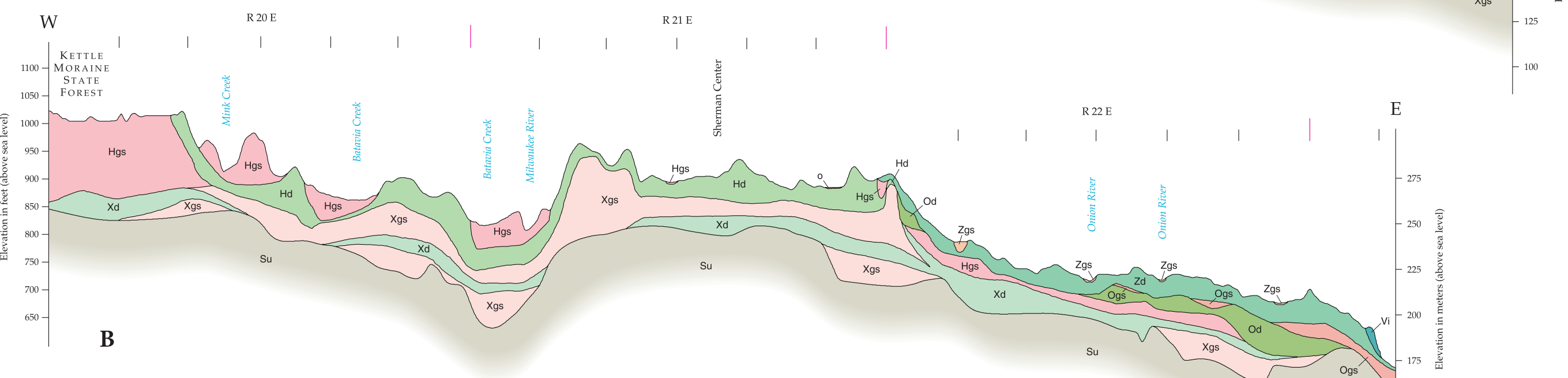
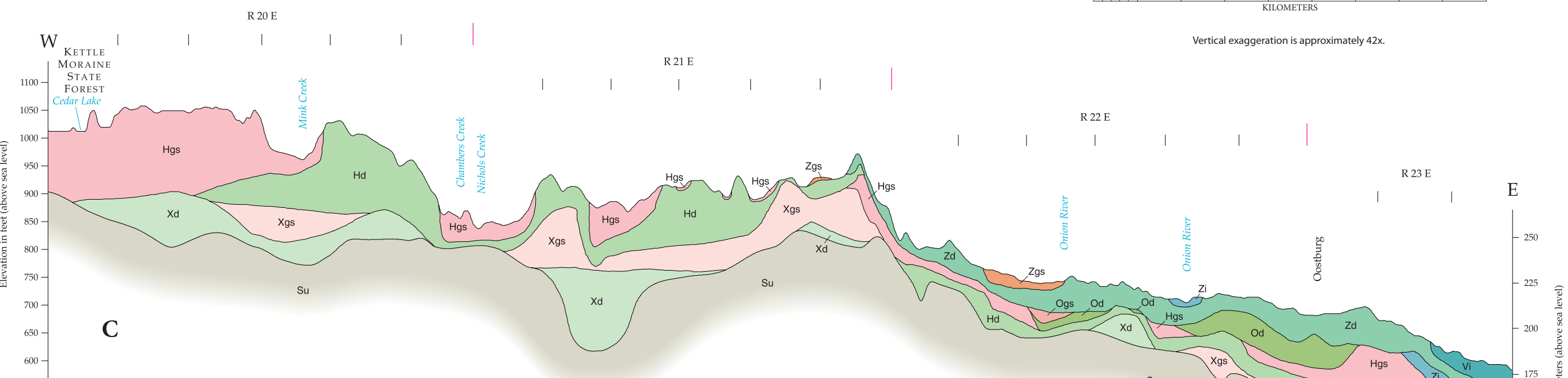
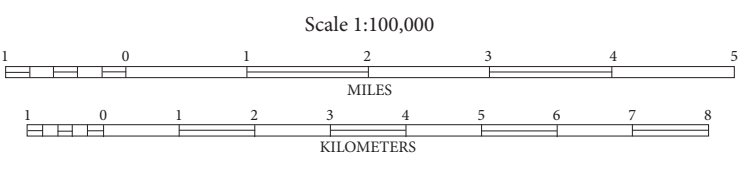
Silurian Period

- Su** Silurian System, dolomite, undivided. Includes Cayugan, Niagara, and Alexandrian Series.

Symbols

- Geologic contact; dashed where inferred.

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



Wisconsin Geological and Natural History Survey
3817 Mineral Point Road • Madison, Wisconsin 53705-5100 • 608/263.7389
James M. Robertson, Director and State Geologist
WisconsinGeologicalSurvey.org



Cartography by D.L. Patterson.