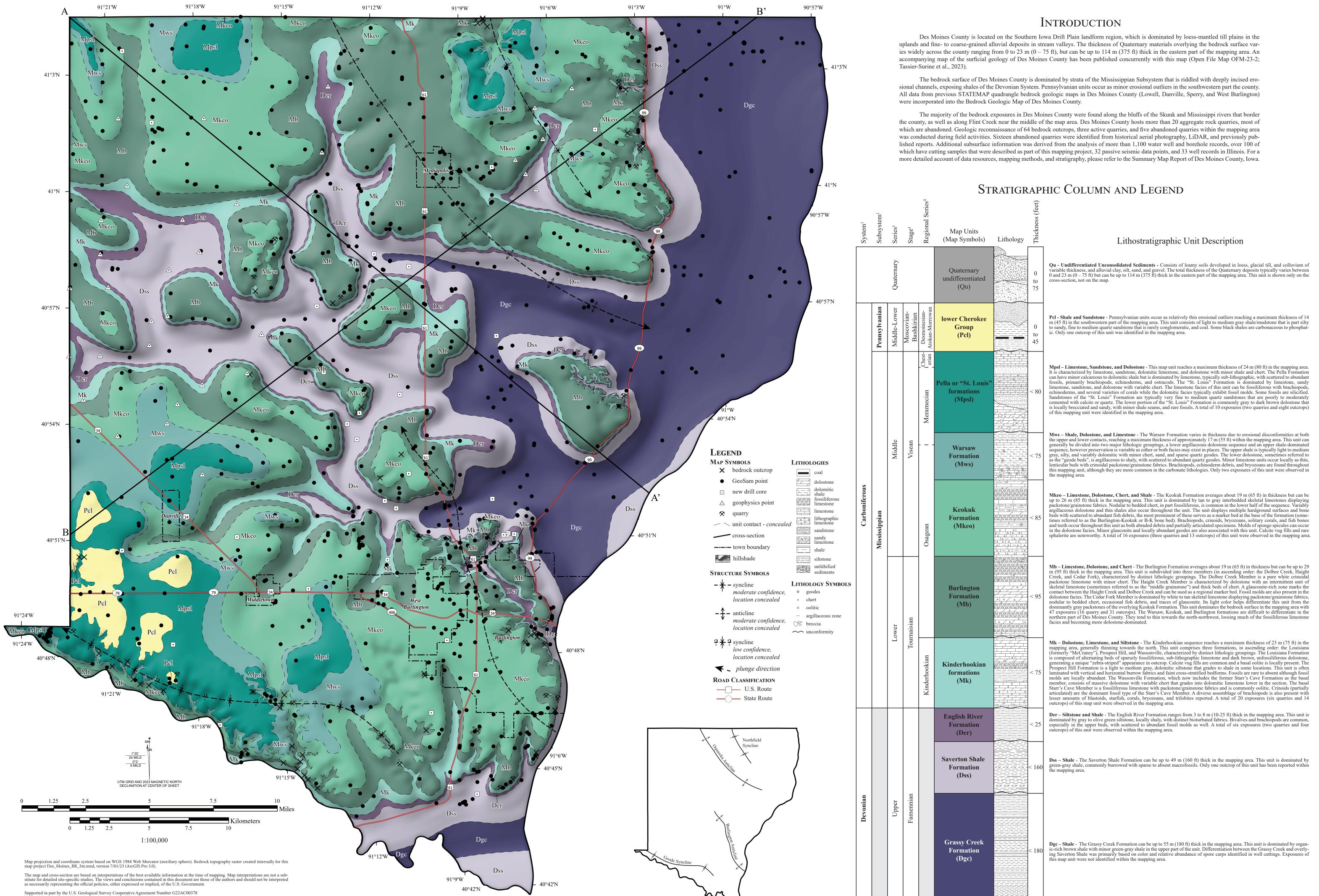
BEDROCK GEOLOGIC MAP OF DES MOINES COUNTY, IOWA

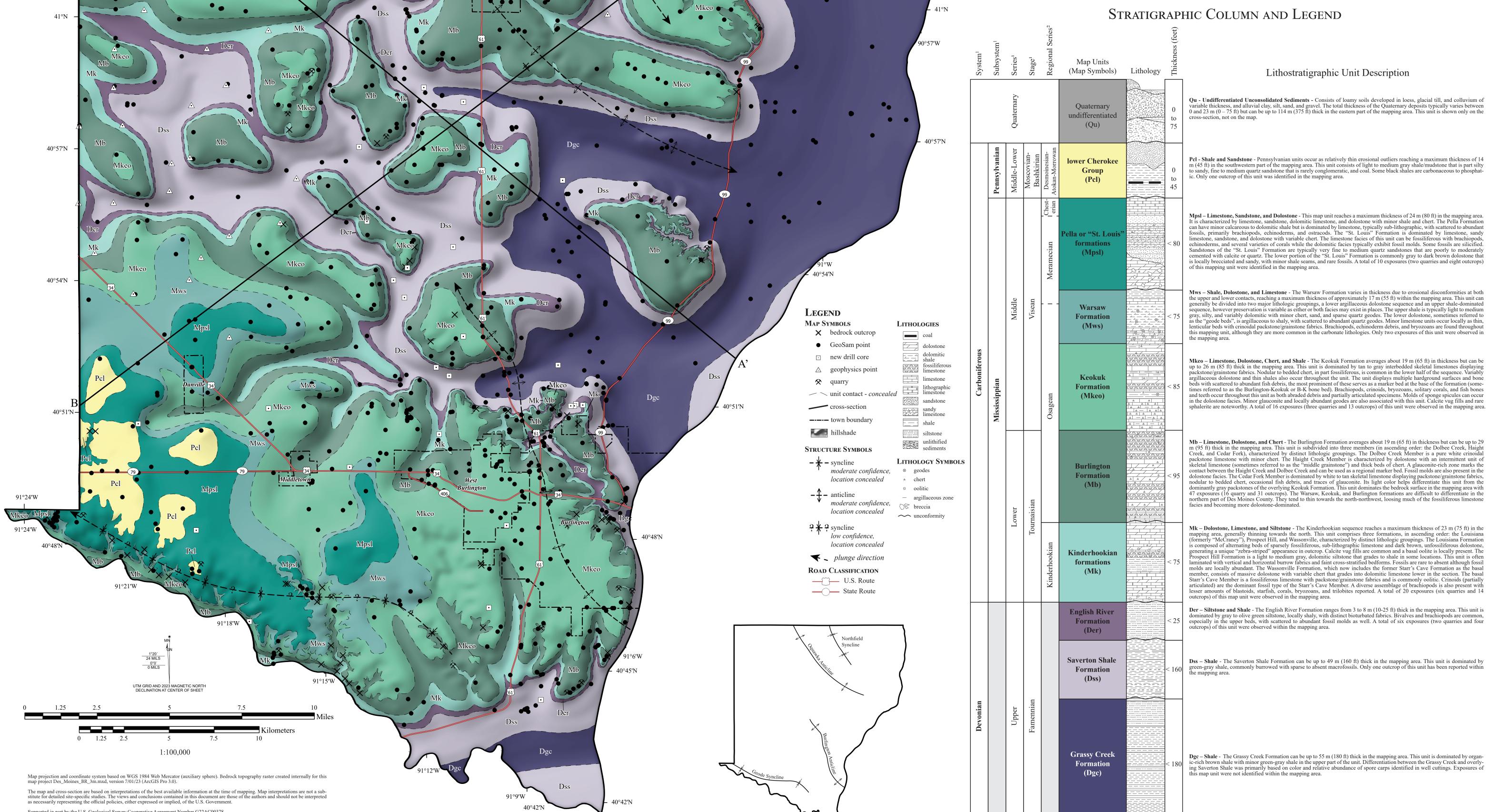
Ryan Clark, Stephanie Tassier-Surine, Phil Kerr, and Alyssa Bancroft Iowa Geological Survey, IIHR-Hydroscience & Engineering, University of Iowa, Iowa City, Iowa



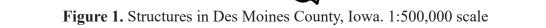


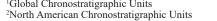
Iowa Geological Survey

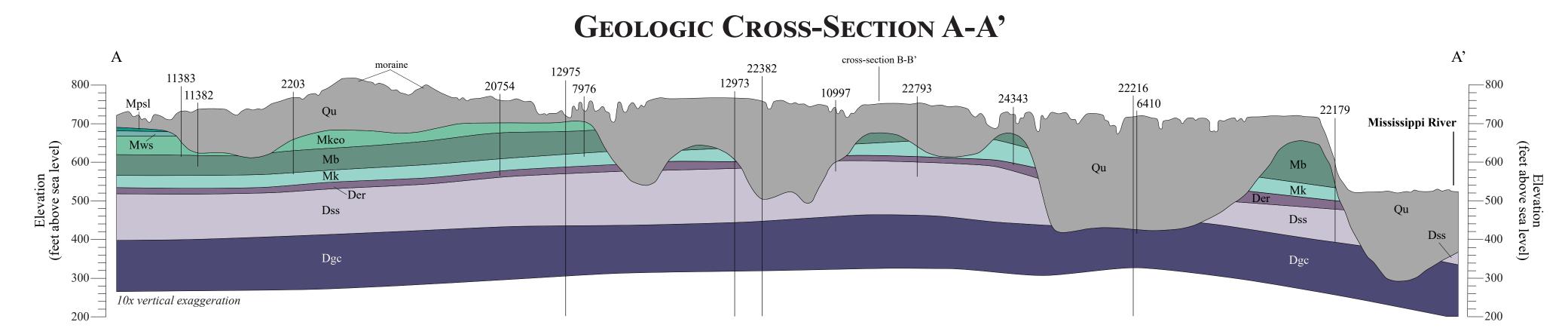
Open File Map: OFM-23-1 Keith Schilling, State Geologist Published June, 2023

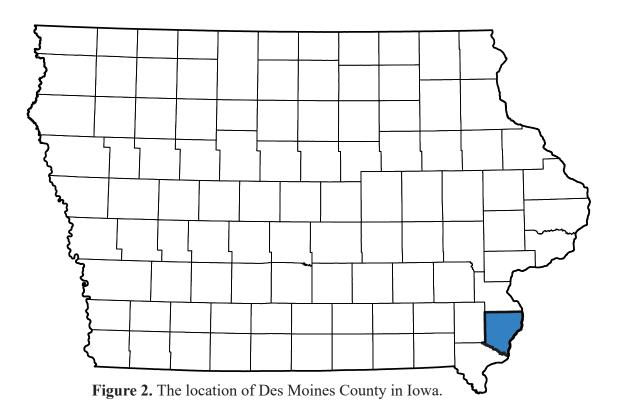


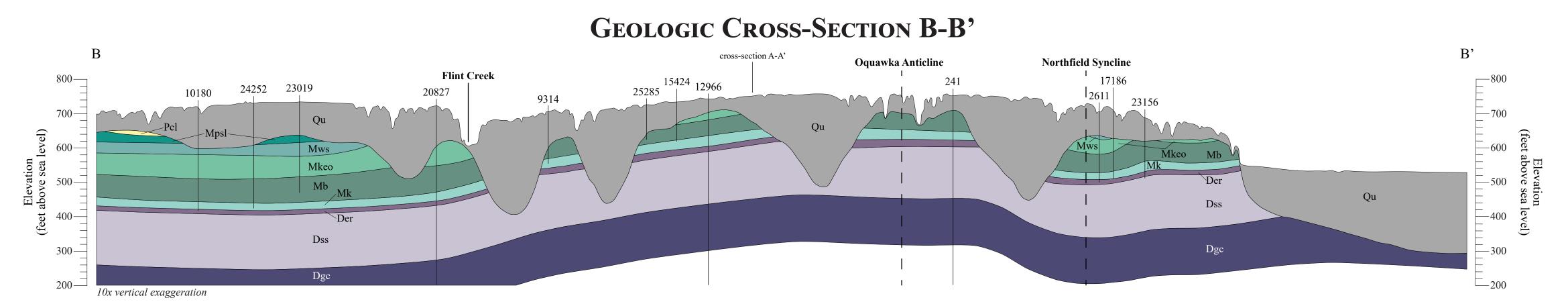












ACKNOWLEDGEMENTS

Special thanks to the private landowners who allowed access to their properties: Doug Beckman, Kirk Beckman, Carol Brandt, Mike Collentine, Doug Fenton, Dale Frank, Ernest Gerst, Dennis Gibbs, Teresa Johnson, and Steve Nunnikhoven. Thanks also to Chris Lee (Des Moines County Conservation Board), Jeff Hanan (Des Moines County land use administrator), U.S. Gypsum, and Joe Haffner and Amanda Smith (Iowa Army Ammunition Plant). Don Smith (Cessford Construction - Oldcastle Materials) and Brad Helmerson (L&W Quarries) are thanked for allowing us to access their quarries within the mapping area. University of Iowa (UI) Department of Earth and Environmental Sciences (EES) students Emily Copple, Tanner Hartsock, Brennan Hill, Diar Ibrahim, Nick Johnson, Hanna Konavaluk, and Nick Lefler helped with various aspects of data collection and management including producing descriptive logs of water well cutting samples, updating well locations, and geophysical data acquisition. Assistance with field activities was provided by former Iowa Geological Survey (IGS) staff Zachary Demanett and H. Paul Liu (retired) as well as UI-EES students Brittany Stolfus and Clint Henning. Thanks to Rick Langel of the IGS for managing the Iowa geologic sampling database (GeoSam). Brian Witzke (IGS-retired), Associate Professors Brad Cramer and Emily Finzel (UI-EES), and Illinois State University Professor James "Jed" Day are thanked for their help with the stratigraphic research components stemming from this mapping project as well as many fruitful discussions about the geologic complexities of the tristate region. Casey Kohrt and Chris Kahle of the Iowa Department of Natural Resources provided GIS technical help. Additional funding for students was provided by the National Science Foundation (NSF) Award #2119888 (NSF IUSE:GEOPAths, GP-GO: Iowa Environmental Internship Pathways Program). Administrative support was provided by Megan Delaney, Suzanne Doershuk, Melissa Eckrich, Teresa Gaffey, Carmen Langel, and Rosemary Tiwari.