

Selected items that might be of interest to

Students and Teachers.

MUCH more is detailed and available in the Digital Geology Catalog http://www.michigan.gov/documents/deq/GIMDL-Catalog-2010-01-20_307979_7.pdf

Publication series included in the Digital Geology Catalog: Annual Directory, Annual Report, Annual Statistical Summary, Biennial Report, Bulletin, Circular, Coal Mine Maps, Contribution to Michigan Geology, Early Reports, General Geology, Geological Seminars, Proceedings of the Lake Superior Mining Institute, Michigan Academy of Science, Michigan Academy of Science Arts and Letters, Mackinac Bridge Project, Michigan's Mineral Industries, Miscellaneous, Mineral Statistics, Open File, Open File Report, Pamphlet, Progress Report, Publication, Report of Investigation, Rules & Regulations, Annual Report of the Inspector of Salt, Summary of Operations, Subsurface Pressure Report, Secondary Recovery Report, Technical Report, UIPC Reports, USBM Open File, USDOE Open File Reports, USGS Bulletins, USGS Monographs, USGS Open File, USGS Professional Paper, USGS Water Investigation Reports, USGS Other / General, Volume, Water Investigation, Water Information Series and Water Supply Report

Bulletin

"Bulletins" are comprehensive reports, usually technical in nature, though some are prepared in a more popular style. This series began publication in 1964. New numbers are issued occasionally.

Bulletin 1: Our Rock Riches; R. W. Kelley, 1964; With contributions from C. A. Arnold, J. Boyd, E. T. Carlson, W. L. Daoust, G. D. Eils, H. J. Hardenberg, R. E. Ives, E. A. Kirkby, N. X. Lyons, H. M. Martin, H. M. Martin, W. Palmer, F. G. Pardee, C. M. Riley, K. Spiroff, S. W. Sundeen and J. R. Van Pelt. Brine, Cement, Clay Pipe, Coal Basin, Copper, Dolomite, Economics, Gas Storage, Geologic Cross Section, Geologic History, Geologic Map, Geologic Time Scale, Gold Mines, Gravel, Gypsum, Iron Ore, Limestone, Mineral Resources, Oil and Gas, Oil and Gas fields, Oil formations, Production, Salt, Sandstones, Stratigraphic chart

http://www.michigan.gov/documents/deq/GIMDL-BU01_216118_7.pdf

http://www.michigan.gov/documents/deq/Bulletin_1opt_303885_7.pdf

Bulletin 2: Rocks and Minerals of Michigan; O. F. Poindexter, H. M. Martin, S. G. Bergquist, 1971; All counties, Brine, Clay, Coal, Copper, Dolomite, Fossils, Gas, Gems, Glacial Drift, Gold, Gravel, Gypsum, Igneous Rocks, Iron, Limestone, Marl, Metamorphic Rocks, Meteorites, Minerals, Oil, Peat, Petroleum, Rocks, Salt, Sand, Sandstone, Sedimentary Rocks, Shale, Silver, Soil, Stone, Sulfur, Water. Many earlier versions exist dating from 1936 to 1971 including Publication 42 from 1939 to 1951 and subsequently as Bulletin 2 in 1965.

http://www.michigan.gov/documents/deq/GIMDL-GGRMMI_302370_7.pdf

Bulletin 04: The Glacial Lakes around Michigan; W. R. Farrand, 1988; A good perspective on the ice age history that made Michigan what it is today. All counties, Glaciers, Great Lakes, Landforms

http://www.michigan.gov/documents/deq/GIMDL-BU04_216119_7.pdf

http://www.michigan.gov/documents/deq/BU_04opt_314532_7.pdf

Full page illustrations for student use and reference

http://www.michigan.gov/documents/deq/GIMDL-BU04pixs_216120_7.pdf

Bulletin 05: Meteorites of Michigan; V. Chamberlain, 1968; Michigan has been visited by extraterrestrials All counties, Asteroids, Comets, Meteors, Meteorites

http://www.michigan.gov/documents/deq/BU05_301713_7.pdf

http://www.michigan.gov/documents/deq/BU_05opt_314533_7.pdf

Circular

Each "Circular" is a short technical or semi-technical paper. Most are either bibliographic in nature or are concerned with the various laws which the Geological Survey enforces. Others give mine; statistics or discuss subjects such as seismic disturbances. The series began publication in 1963.

Circular 11: Michigan's Industrial Sand Resources;

J. D. Lewis, 1975;

http://www.michigan.gov/documents/deq/GIMDL-CR11_216124_7.pdf

http://www.michigan.gov/documents/deq/CR_11opt_304327_7.pdf

Circular 12: Michigan Iron Ore Shipments

Through 1974; R. C. Reed, 1975; Iron ore production data Dickinson Co., Gogebic Co., Iron, Iron Co., Marquette Co., Menominee Co

http://www.michigan.gov/documents/deq/GIMDL-CR12_216125_7.pdf

http://www.michigan.gov/documents/deq/Circular12_301725_7.pdf

Circular 14: Seismic Disturbances in Michigan; D.

M. Bricker, 1977; An introduction with description of causes and types of earthquake activity, maps. 2 tables All counties, Earth Quakes

http://www.michigan.gov/documents/deq/GIMDL-CR14_216127_7.pdf

http://www.michigan.gov/documents/deq/Circular14_301726_7.pdf

Circular 18: State of Michigan Designated and

Critical Sand Dune Areas; Geological Survey, 2002; Maps of the designated sand dune areas in an 8.5" by 14" format. Sand Dunes, Southern Peninsula counties

http://www.michigan.gov/documents/deq/CR18_301744_7.pdf

Coal Mine Maps

"Coal Mine Maps" show known Coal Mine locations. Maps for the Michigan 'Coal Basin' counties of; Bay, Calhoun, Eaton, Genesee, Ingham, Jackson, Midland, Saginaw, Shiawassee, and Tuscola counties are available. See also USBM Open File Report 76

Map of the coal basin in Michigan

http://www.michigan.gov/documents/deq/GIMDL-COAL-BASIN_307760_7.pdf

List of available Coal Maps.

[\[\] http://www.michigan.gov/documents/deq/GIMDL-COAL-MINE-MAPS_307762_7.pdf](http://www.michigan.gov/documents/deq/GIMDL-COAL-MINE-MAPS_307762_7.pdf)

Magnitude and Quality of Michigan Coal

Reserves; J. Kalliokoski, E. J. Welch, 1976; Coal, Southern Peninsula counties

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[\[\] http://www.michigan.gov/documents/deq/GIMDL-COAL-MAPS-USBM76_307761_7.pdf](http://www.michigan.gov/documents/deq/GIMDL-COAL-MAPS-USBM76_307761_7.pdf)

Contribution to Michigan Geology

"Contributions to Michigan Geology" are reports that have been submitted electronically. Illustrations are scanned and incorporated in the final product. The resulting product is near publication quality. Complete editorial standards have not been applied.

Contribution to Michigan Geology 90-04: Port Huron Study, Historical Development of

Hydrocarbons and Subsequent Problems; W. Danyluk,

[\[\] http://www.michigan.gov/documents/deq/CMG_90-4_313148_7.pdf](http://www.michigan.gov/documents/deq/CMG_90-4_313148_7.pdf)

[\[\] http://www.michigan.gov/documents/deq/CMG_90-4_opt_313150_7.pdf](http://www.michigan.gov/documents/deq/CMG_90-4_opt_313150_7.pdf)

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Contribution to Michigan Geology 92 1:

Michigan's Copper Country; E. W. Courter, 1992; History of Michigan's copper country and the development of copper in Michigan Copper, History, Keweenaw Peninsula, Western Northern Peninsula,

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Contribution to Michigan Geology 94 1:

Michilic Time Line; Midwest Mineralogical and Lapidary Society, 1994; Combine Michigan and geologic and you get "Michilic. " Learn about fossils with a Michigan perspective and how they have changed through geologic time. All counties, fossils, geologic time Students Teachers

[\[\] http://www.michigan.gov/documents/deq/GIMDL-CMG94_307757_7.pdf](http://www.michigan.gov/documents/deq/GIMDL-CMG94_307757_7.pdf)

Full page 8. 5" by11" versions of just the illustrations, black and white All counties, fossils, geologic time

Students Teachers

[\[\] http://www.michigan.gov/documents/deq/GIMDL-CMG94PIX_307758_7.pdf](http://www.michigan.gov/documents/deq/GIMDL-CMG94PIX_307758_7.pdf)

General Geology

"General Geology" is a group of various materials that are advanced drafts or non-serial publications that cover a wide range of topics and interest levels. Publication standards may have not been applied.

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Earth Scientists in State Government; G. E. Eddy,

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Stone; S. E. Wilson, 2002; Do you know what the state stone is? If you want to learn more about the Petoskey stone, then this is worth checking out. All counties, fossils, Students, Teachers

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Pamphlet

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Pamphlet 3: Guide to Michigan Fossils; R. W. Kelley, 1962; All counties, fossils

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[] http://www.michigan.gov/documents/deq/PA03opt_304672_7.pdf
[] http://www.michigan.gov/documents/deq/Pamphlet4opt_304677_7.pdf

Pamphlet 6: Collecting Rocks, Minerals and

Fossils in Michigan; S. E. Wilson, 1976; Illustrated introduction to this enjoyable hobby; collecting rocks, Minerals and fossils All counties

[] http://www.michigan.gov/documents/deq/PA06_304668_7.pdf

Pamphlet 7: Michigan's Sand Dunes; S. E. Wilson,

1980; An illustrated introduction to the sand dune environment; block diagrams, illustrated All counties, Sand, Sand Dunes

[] http://www.michigan.gov/documents/deq/PA07_304669_7.pdf

GeoWebFace

Nothing says GEOLOGY like a map. You can access Michigan Geology maps anywhere you have web access.

The link to the GeoWebFace **INTRODUCTION WEB PAGE** is:

<http://www.michigan.gov/deqgeowebface>
(that is deq geowebface – one-word – all lower case).

The link to the GeoWebFace **APPLICATION** is:

<http://www.deq.state.mi.us/geowebface/>

The link to the GeoWebFace **USER GUIDE** is:

http://www.michigan.gov/documents/deq/GeoWebFace_Users_Guide_375273_7.pdf.

Additional information about using the GeoWebFace are listed on the introductory web page.

If you have any comments, changes, corrections, additions, contributions, ideas, or suggestions, please contact: Steve Wilson > wilsons15@michigan.gov