

Biography

Tyrone (Ty) Black retired from the former Office of Geological Survey (Office of Oil, Gas, and Minerals) with nearly 34 years experience at the end of 2010. During those years he served as an Area Geologist, Mineral Wells Geologist, Hydro Geologist, Assistant to the Regional Geologist, and Publications control. He investigated several geological phenomena such as karst, karst lake drainage, soil collapses, and natural gas vents in Montmorency, Cheboygan, and Alpena Counties. He also served on several inter agency committees such as the DNR Biodiversity CORE Team. Before joining the State and prior to obtaining a Masters of Science in geology at Kansas State University, Ty was a mud logger for Core Laboratories in the Gulf States for 1 ½ years. After retirement from the State he also did some part time mud logging for Geosearch Logging Inc in the Pennsylvania Marcellus Shale for 1 ½ years.

Ty gives talks to professional and public groups on karst, groundwater, and other geological topics and is recognized as an expert on Michigan's karst geology.

He is a Certified Professional Geologist by the AIPG, past officer and newsletter editor of the AIPG Michgian Chapter, and member of the Michigan Basin Geological Society for whom he has twice served as field trip leader.

PUBLICATIONS

- Black, Tyrone J.; Deep karst system research, Michigan, USA; Carbonates and Evaporites; June 2012, Volume 27, Issue 2, pp 119-122
- Ruberg S.A., S.T. Kendall, B.A. Biddanda, T. Black, S.C. Nold, W.R. Lusardi, R. Green, T. Casserley, E. Smith, T.G. Sanders, G.A. Lang, S.A. Constant. Observations of the Middle Island Sinkhole in Lake Huron: A Unique Hydrogeologic and Glacial Creation of 400 Million Years, Marine Technology Society Journal 42 (4): 12-21 Winter2008/2009.
- Black, T.J. and M.S. Wollensak; Northeast Lower Peninsula Geological Field Conference, 2004 (available on CD-ROM only).
- Black, Tyrone J.; Evaporite karst in Michigan, Proceedings of the 9th Multidisciplinary Conference on Sinkholes; September, 2003.
- Black, Tyrone J.: Evaporite Karst in Michigan, Evaporite Karst and Engineering/Environmental Problems in the United States, Oklahoma Geological Survey, Circular 109, 2003, pp 315-320.
- Black, Tyrone J.; Evaporite Karst of Northern Lower Michigan, Carbonates and Evaporites, Northeastern Science Foundation Inc., Vol. 12, Number 1, 1996, pp 81-83.
- Black, Tyrone J.; Karst of Northern Lower Michigan, Michigan Basin Geological Society, 1995 Field Conference.
- Black, Tyrone J.; Methane gas venting at Hemlock Lake[, Cheboygan County, Michigan]; MDNR-Geological Survey Division in house report, December, 1992.
- Black, Tyrone J.; No title (Field use of Photovac gas chromatograph handbook); Geological Survey Division in house document; Summer, 1992
- Black, Tyrone J.; Cascade Creek water well blowout, Geological Survey Division in house report; 1989.
- Black, Tyrone J.; Final conclusions of the pole-dipole resistivity results on the Collins Brothers Oil, C. Wolf 1-B site; Geological Survey Division in house report; October, 1984.
- Black, Tyrone J.; Tectonics and geology in karst development of Northern Lower Michigan, Proceedings of the First Multidisciplinary Conference on Sinkholes; October, 1984.
- Black, Tyrone J.; A report of resistivity results on the Csizmadia #1 site; NE section 5, T11N, R15E, Washington Township, Sanilac County, Michigan; Geological Survey Division in house report; November; 1984.
- Black, Tyrone J.; Report of the results of three pole-dipole methods of resistivity of the Shell St. Charlton 3-9 site, Geological Survey Division in house report; June, 1984.
- Black, Tyrone J. and Matthew H. Frish; Road log; Tectonics, Structure, and Karst in Northern Lower Michigan, Michigan Basin Geological Society, 1983 Field Conference.
- Black, Tyrone J.; Selected views of the tectonics, structure, and karst of Northern Lower Michigan; Tectonics, Structure, and Karst in Northern Lower Michigan, Michigan Basin Geological Society, 1983 Field Conference.
- Black, Tyrone J.; Bedrock topography and overburden thickness in Northeastern Alpena and Eastern Presque Isle Counties, Michigan; Masters Thesis, 1977.