

**IDENTIFYING INFORMATION:**

NAME: McGlue, Michael Matthew

ORCID iD: <https://orcid.org/0000-0002-0725-7250>

POSITION TITLE: Professor

PRIMARY ORGANIZATION AND LOCATION: University of Kentucky, Lexington, Kentucky, United States

**Professional Preparation:**

ORGANIZATION AND LOCATION	DEGREE (if applicable)	RECEIPT DATE	FIELD OF STUDY
University of Arizona, Tucson, Arizona, United States	PHD	01/2011	Geosciences
Syracuse University, Syracuse, New York, United States	MS	08/2004	Earth Science
Washington and Lee University, Lexington, Virginia, United States	BS	06/2000	Geology

**Appointments and Positions**

2023 - present Professor, University of Kentucky, Lexington, Kentucky, United States  
 2023 - present Professor, University of Kentucky, Lexington, Kentucky, United States  
 2019 - 2023 Associate Professor, University of Kentucky, Lexington, Kentucky, United States  
 2013 - 2019 Assistant Professor, University of Kentucky, Earth and Environmental Sciences,  
 Lexington, Kentucky, United States

**Products****Products Most Closely Related to the Proposed Project**

1. Kamulali T, McGlue M, Stone J, Kimirei I, Goodman P, Cohen A. Paleocological analysis of Holocene sediment cores from the southern basin of Lake Tanganyika: implications for the future of the fishery in one of Africa's largest lakes. *Journal of Paleolimnology*. 2021 September 13; 67(1):17-34. Available from: <https://link.springer.com/10.1007/s10933-021-00219-4> DOI: 10.1007/s10933-021-00219-4
2. Ivory S, McGlue M, Peterman C, Baldwin P, Lucas J, Cohen A, Russell J, Saroni J, Msaky E, Kimirei I, Soreghan M. Climate, vegetation, and weathering across space and time in Lake Tanganyika (tropical eastern Africa). *Quaternary Science Advances*. 2021 April; 3:100023-. Available from: <https://linkinghub.elsevier.com/retrieve/pii/S2666033421000022> DOI: 10.1016/j.qsa.2021.100023
3. McGlue M, Yeager K, Soreghan M, Behm M, Kimirei I, Cohen A, Apse C, Limbu P, Smiley R, Doering D, Lucas J, Mbonde A, McInyre P. Spatial variability in nearshore sediment pollution in Lake Tanganyika (East Africa) and implications for fisheries conservation. *Anthropocene*. 2021 March; 33:100281-. Available from: <https://linkinghub.elsevier.com/retrieve/pii/S2213305421000047> DOI: 10.1016/j.ancene.2021.100281
4. McGlue M, Ivory S, Stone J, Cohen A, Kamulali T, Latimer J, Brannon M, Kimirei I, Soreghan M. Solar irradiance and ENSO affect food security in Lake Tanganyika, a major African inland

fishery. *Science Advances*. 2020 October 09; 6(41):- . Available from:  
<https://www.science.org/doi/10.1126/sciadv.abb2191> DOI: 10.1126/sciadv.abb2191

5. Russell J, Barker P, Cohen A, Ivory S, Kimirei I, Lane C, Leng M, Maganza N, McGlue M, Msaky E, Noren A, Park Boush L, Salzburger W, Scholz C, Tiedemann R, Nuru S. ICDP workshop on the Lake Tanganyika Scientific Drilling Project: a late Miocene–present record of climate, rifting, and ecosystem evolution from the world's oldest tropical lake. *Scientific Drilling*. 2020 May 27; 27:53-60. Available from: <https://sd.copernicus.org/articles/27/53/2020/> DOI: 10.5194/sd-27-53-2020

#### *Other Significant Products, Whether or Not Related to the Proposed Project*

1. McGlue M, Woolery E. High-resolution seismic profiling reveals basin floor morphology, sedimentary processes, and shallow stratigraphy at Convict Lake (California, USA). *Quaternary International*. 2022 May; 621:37-49. Available from:  
<https://linkinghub.elsevier.com/retrieve/pii/S1040618220305577> DOI: 10.1016/j.quaint.2020.09.014
2. McGlue M, Guerreiro R, Bergier I, Silva A, Pupim F, Oberc V, Assine M. Holocene stratigraphic evolution of saline lakes in Nhecolândia, southern Pantanal wetlands (Brazil). *Quaternary Research*. 2017 August 24; 88(3):472-490. Available from:  
[https://www.cambridge.org/core/product/identifier/S0033589417000576/type/journal\\_article](https://www.cambridge.org/core/product/identifier/S0033589417000576/type/journal_article) DOI: 10.1017/qua.2017.57
3. McGLUE M, PALACIOS-FEST M, CUSMINSKY G, CAMACHO M, IVORY S, KOWLER A, CHAKRABORTY S. OSTRACODE BIOFACIES AND SHELL CHEMISTRY REVEAL QUATERNARY AQUATIC TRANSITIONS IN THE POZUELOS BASIN (ARGENTINA). *PALAIOS*. 2017 June 20; 32(6):413-428. Available from:  
<https://pubs.geoscienceworld.org/palaios/article/32/6/413-428/506738> DOI: 10.2110/palo.2016.089
4. McGlue M, Smith P, Zani H, Silva A, Carrapa B, Cohen A, Pepper M. An Integrated Sedimentary Systems Analysis of the Río Bermejo (Argentina): Megafan Character in the Overfilled Southern Chaco Foreland Basin. *Journal of Sedimentary Research*. 2016 December 13; 86(12):1359-1377. Available from:  
<https://pubs.geoscienceworld.org/jsedres/article/86/12/1359-1377/257130> DOI: 10.2110/jsr.2016.82
5. McGlue M, Ellis G, Cohen A. Modern muds of Laguna Mar Chiquita (Argentina): Particle size and organic matter geochemical trends from a large saline lake in the thick-skinned Andean foreland. *Geological Society of America Special Papers [Internet] Geological Society of America*; 2015-09. 1-18p. Available from:  
<https://pubs.geoscienceworld.org/books/book/675/chapter/3807874/> DOI: 10.1130/2015.2515(01)

#### **Synergistic Activities**

1. Founding Member, Kentucky Climate Consortium: faculty interest group aimed at empowering all Kentuckians to be environmental stewards by providing access to reliable, accessible, and relevant information about the climate. 2022-Present
2. Faculty Fellow, James B. Beam Institute: developed novel STEM curriculum for non-science

majors around critical zone science, sustainability, and their intersections to the beer, wine, and spirits industry. 2022-Present

**Certification:**

When the individual signs the certification on behalf of themselves, they are certifying that the information is current, accurate, and complete. This includes, but is not limited to, information related to domestic and foreign appointments and positions. Misrepresentations and/or omissions may be subject to prosecution and liability pursuant to, but not limited to, 18 U.S.C. §§ 287, 1001, 1031 and 31 U.S.C. §§ 3729-3733 and 3802.

Certified by McGlue, Michael Matthew in SciENcv on 2023-11-06 17:21:24