

MSDIS Update – October 2023

Updated Data

- MO MoDOT Roads Routes
- MO MoDOT Commuter Lots
- MO MoDOT Emergency Reference Markers
- MO MoDOT Rest Areas
- MO MoDOT Roads Arcs
- MO Missouri Department of Conservation Lands

New LiDAR Data

- Boone County 2022 – Following from our report last month and thanks to some truly helpful collaboration, the new QLO Boone County LiDAR data are now fully prepped and deployed as an imagery service here:

https://moimagery.missouri.edu/arcgis/rest/services/LiDAR/Boone_2023_UTM/ImageServer

And it looks really awesome.

MSDIS General News

We reported last month that MSDIS and the Mizzou Dept of Geography were planning to host an event for GIS Day. Due to the unfortunate timing of Geography Awareness Week as it relates to the University of Missouri's Thanksgiving Break, we have decided to reschedule our event to 19 February 2024. As we continue to adapt our plans, we will share more information with MGISAC.

Unrelated to MSDIS, Tom will once again be teaching GEOG 1800 in the Spring Semester. In the past, 1800 has proved to be a valuable source of new recruits for the MSDIS internship program, so it is important to continue this collaboration with Mizzou Geography. As many of you are aware, we put out a call last year for volunteers to give in-class presentations. Several of you were kind enough to volunteer your valuable time and it was, without question, the best use of classroom time that we could have asked for. There is a very real likelihood that those students learned more about GIS from those guest presentations than they have from any of their other classes. As such, we are once again opening our classroom up to the professional GIS community. If you are interested in speaking to our students, please email voughth@missouri.edu so we can set something up. Ideally, we would like to have one presentation a week starting sometime around the third week of the semester. As you know very well, though, Tom likes to talk, even when you don't want him to*, so if we can only do another 5-6 talks this semester, there will be plenty of standard classroom material to fill the time.

***ESPECIALLY** when you don't want him to

MSDIS Downtime

Repeating our report from September since the interruption technically took place in October...

There was an Imagery Server disruption on 02 October 2023. We received an email from our colleagues at MoDOT at 2:18 PM that image services were unresponsive. On investigation, we were able to confirm the problem and restarted the server. On restart, services were still offline and the server itself appeared to be unreachable. After more digging, it seemed as though the server had somehow lost its URL binding and, while still technically accessible, was only operational by using the server's name as the host address. We re-entered the administrative password into both ArcGIS Server Administrator and the ArcGIS Server Web Adaptor in an effort to re-establish the proper bindings. After several extremely panicked minutes of waiting, both the server and its services began functioning as intended.

We have enlisted the aid of the Mizzou Division of IT to investigate possible causes for this outage. At this point, we are told that no changes were made to the server before the outage and that they saw no administrative warnings. We have made notes on the situation and continue to investigate on our own.

MSDIS 2023 Imagery Server Stats

MONTH	TOTAL SERVER REQUESTS
January	3,033,195
February	2,522,952
March	2,957,117
April	3,237,572
May	2,927,225
June	3,037,773
July	2,873,391
August	3,483,141
September	2,926,383
October	3,215,909
November	-
December	-
2023 Total	30,214,658