

MSDIS Update – May 2025

New Data

- 2024 NAIP county downloads and imagery service

Updated Data

- 2023/2024 Statewide 6" imagery services

MSDIS General News

2023/2024 Statewide 6" Image Services

[The Great Work is complete](#)

The combined 2023 and 2024 statewide imagery is now available as both a dynamic image service and as a cached image service. As with previous efforts to balance speed with quality, the cached image service is more responsive but does not zoom in to the finest possible resolution. The dynamic image service, on the other hand, can zoom in as far as the imagery allows, but responds more slowly.

I have added links to the new services to both the MSDIS ArcGIS Online Hub and the old MSDIS website. Additionally, I continue to build out the Imagery page on the MSDIS Hub site to provide appropriate background information about the origin of these data.

We are still in the soft opening phase of the new server and image services. I have not received any pushback from anyone who already has access to these services, but that doesn't mean that there aren't problems. Sharing the links through this monthly update should not be interpreted as an official rollout but as a third round of quality control. Given the incredibly complex nature of these services, my ability to change anything now is limited, but there are still minor adjustments I can make on the server side if necessary.

Since the tile generation for the cached service generated so much new data, I will not publish individual services of the 2023 and 2024 imagery despite my initial plans. I am open to revisiting those options once the existing image services have been put through their paces, but the fact of the matter is that the tile cache consumed nearly all the storage set aside for the 6" imagery.

As always, I would like to thank everyone for their patience as I wrestle with this imagery, and I look forward to working with the Data Development Committee to schedule a webinar to formally announce the release of these statewide services.

NAIP 2024

The 2024 NAIP imagery is now available as an image service via the [MSDIS directory of the Imagery Server](#). While perhaps not quite as amazing as 6" resolution statewide imagery, this valuable product is still pretty darned cool and remains an incredibly important resource to both Missouri and many other states.

Additionally, at the risk of causing unnecessary panic, I would be grateful to anyone willing to share their usage of NAIP data. As federal data products face budget uncertainties, it is now more important than ever that the geospatial community makes a clear statement on the importance of resources like the NAIP. Anyone willing to chime in should feel free to send me an email detailing their NAIP workflows.

AWS Open Data

I *believe* I've reached the point in the process where I need to create an AWS account for MSDIS for our YAML file to be finally accepted into the larger Open Data Directory. I am working with Mizzou Geography to iron out some of the administrative details.

MSDIS/OGI Funding MOA

The funding discussion between MSDIS and the Office of Geospatial Information continues. Contract language has been agreed on between OGI and MSDIS, and we are currently collecting signatures from the necessary entities.

2025 Geosciences Summer Camp

I am thrilled to once again work with the Department of Geography to help host a two-day Geosciences Summer Camp. This year's camp will take place July 8 and 9 and is offered at no cost to attendees. As with last year, our target audience is middle school aged girls, ideally those preparing to start grades 6-8. Activities from last year included thematic mapping, launching a weather balloon, using GIS to predict coastal flooding, and what I can only describe as the world's messiest baking soda volcano experiment.

MSDIS Downtime

No downtime was reported during May 2025.

Current Tasking and Utilization

Tom

- 6" resolution statewide imagery service rollout
- MSDIS/OGI contract negotiations
- AWS data migration
- Cassville R-IV school district map

How You Can Support MSDIS

Donate Directly to MSDIS

- If you or your company would like to help support end-of-year awards for my undergraduate interns, the [MSDIS Excellence Fund](#), is open to the public and able to accept donations. As MSDIS' place in the world continues to rapidly expand and my attention is pulled in several different directions, my cadre of students are being asked to do more and more complex work. Even a small donation to the Excellence Fund helps provide Team MSDIS with some well-earned bagels and coffee.

Send of Letter of Support to Mizzou

- Let's face it, Mizzou is a big place and MSDIS doesn't have a lot of time to advertise. If you think we're doing a good job, or even just a solidly okay job, fire off an email to the [President's Office](#) or to the [Dean of Arts and Sciences](#).

Share Your Data With MSDIS

- MSDIS doesn't just deal in 6" resolution imagery. If your town/city/county/regional planning committee/state agency/whatever has some cool data that can be shared with the public, send it over! If I get enough local data, I can either add a new section to the current Hub site or spin up a whole new clearinghouse just for smaller datasets.

Write Your Metadata

- All the cool kids write their metadata.

Support the NG911 Data Collection

- NG911 data will likely be the next great challenge for MSDIS, but it is also an incredibly important leap forward for Missouri's GIS data catalog. If you can, [please submit your data to the program](#).

Support Aerial Photography and LiDAR Collections

- I don't love the idea of a whole new aerial photography collection while I'm still finishing up work on the last one, but it is impossible to overstate the value of current, high-resolution imagery and LiDAR data. If your town/city/county/regional planning committee/state agency/whatever is interested in helping support the cost of another collection, please reach out to the MGISAC.

Support MGISAC

- You came to the conference, so you might as well come to the monthly meetings! MGISAC meetings are open to anyone who wants to attend and cover a range of topics including OGI activities, data development plans, GIS-related legislation, and the occasional guest speaker. If you're interested in attending, please email MSDIS for an invite.