

MSDIS Update – March 2026

New Data

- MSDIS did not receive any new data during March 2026.

Updated Data

- MSDIS did not receive any updated data during March 2026, however we did make progress on improving the flow of data from OGI to MSDIS via ArcGIS Online. Once the new servers are fully deployed, we will focus on perfecting our methods for data intake to enable easier sharing. We will also take that opportunity to improve our metadata guidance.

MSDIS General News

Server Replacement and Migration

Two of the new MSDIS servers are now available for public testing...

11.5 LiDAR Server – <https://lidar.msdis.missouri.edu/arcgis/rest/>

11.5 Imagery Server – <https://lidar.msdis.missouri.edu/arcgis/rest/>

I am still working on a crosswalk to explain the difference between the existing Molmagery server and the two new machines. Most changes are self-explanatory, but documentation is always a good idea.

The existing Molmagery server will continue to function until mid-May 2026. Our ESRI license renewals begin in late May, so I see no reason to retire the older server prematurely.

As for the other new MSDIS servers...

11.5 State Imagery Server – Continues humming along as expected. I am 99.9% certain that we are ready to swap the existing statewide server for the new one. This will require me to work with our networking administrators to schedule a time to properly realign the IIS and Web Adaptor configurations. Users will not need to change anything on their end but may experience some downtime with the realignment resolves. I will use the MSDIS listserv to announce the switchover once I have more information.

11.5 Development Server – Pending

MSDIS Web Presence and Digital Accessibility

MSDIS continues to prepare for the rapidly approaching digital accessibility standards deadline. The MSDIS Hub Site is being reviewed by an automated accessibility checker, and we have made several major modifications to the individual pages to bring them into compliance. As of 04 April 2026, the MSDIS Hub Site was determined to be 96.9% compliant.

The fact of the matter is that the overwhelming majority of the MSDIS Hub Site already complies with digital accessibility standards. What I find particularly interesting (or vexing, depending on how you look at it) is that many of the newest elements being flagged for review are completely out of our control. For instance, after its first run through the accessibility checker, the Hub Site reported no dead links or misspellings. Subsequent runs, however, have thrown flags for both dead links and misspellings. Upon investigation, every new flag was traced back to a dataset distributed by the Hub and not the Hub itself.

In this case, the dead links were found in a Dept of Natural Resources attribute table, and the misspellings were several abbreviated attribute titles from a different dataset (which does not bode well for any GIS clearinghouses navigating the same process).

As previously mentioned, the original MSDIS website is being completely rebuilt. We will share more information on this as it becomes available.

State Training

The next state employee training session will take place on 22 April 2026.

Katilin Belk has completed most of the necessary work on developing an Introduction to Basic Spatial Analysis course to supplement the existing Introduction to ArcGIS Pro course. We expect to begin offering the new training in the coming months.

Reference Maps

Thanks to the hard work of Katilin Belk and the Team MSDIS interns, we are very close to producing review copies of reference maps for several Missouri school districts. The basic layouts are complete and have been implemented for a variety of districts. The team is currently finalizing symbology and determining best practices to meet digital accessibility standards.

MSDIS Downtime

There was a brief outage of the Molmagery server on 10 March 2026. Molmagery began experiencing connectivity problem at, or about, 9:53AM. Upon investigating, I discovered that the ArcGIS Server process was stopped and could not be manually restarted. After brief discussion with the University of Missouri Division of IT, I restarted the server. On reboot, the ArcGIS Server process restarted automatically and continued to function as expected.

This outage took slightly longer to resolve than usual because one of the MU DoIT administrators was logged into the server at the time of the outage and I was reluctant to perform a complete restart. Discussion after the incident confirmed that the administrator was only logged onto the server to examine the IIS settings in preparation for the rollout of the new MSIDS imagery and LiDAR servers.

Please note that the statewide imagery server was not affected by this outage and remained accessible.

MSDIS Traffic

The following traffic reports are based on data harvested from the raw server logs and represent the total request load for each machine. Compared to the number of requests reported from the ArcGIS Image Server Manager, these numbers are very high. In virtually every case, the total number of requests from the server logs are double those reported by ArcGIS Image Server Manager. I am still refining the process for reporting usage, but research indicates that there is more value in reporting the total number of requests than in reporting only the requests that were successfully resolved by the Image Server.

Table 1 MSDIS Statewide Imagery Server Monthly Requests

January	5,662,993
February	10,634,229
March	5,971,180

Table 2 MSDIS Imagery Server Monthly Requests

January	8,440,466
February	8,493,949
March	8,741,044

Donate To MSDIS

Anyone wishing to directly support MSDIS can still donate to the [MSDIS Excellence Fund](#).

As a reminder, I would like to thank both Aaron Addison and Arthur Crawford for their generous donations to the fund.