

MSDIS Update – November 2023

Updated Data

- MO MoDOT Districts
- MO Missouri Department of Conservation Trails
- MO Missouri Department of Conservation Boat Ramps

New SEMO Imagery

- St Francois 3 inch/6 inch 2023 composite – Our friends from SEMO have provided us with another new imagery collection. Our last update to St Francois was in 2019, so this a welcome update:

https://moimagery.missouri.edu/arcgis/rest/services/LGov/StFrancois_3inch_6inch_composite_2023/ImageServer

New 2023/2024 Missouri County Imagery

- The 2023/2024 6-inch resolution county aerial imagery mosaics have been added to [The Missouri Map](#) for download. More on that below.

MSDIS General News

As the Fall 2023 semester winds down, MSDIS must say goodbye to not one, but two, undergrad interns. Morgan Hurt has worked with MSDIS for three semesters and has been a tremendous help with both aerial imagery QC and several external projects. Joshua Stender decided to use all three credit hours in one semester before starting a study abroad semester and assisted with the second round of imagery QC as well as a pair of story map projects. We will miss their contributions to the clearinghouse very much and wish them both the very best.

MSDIS Downtime

No downtime was reported during November 2023.

HOWEVER... we have been made aware of an interesting problem with two Department of Natural Resources layers. Sometime on, or about 07 December 2023 we were informed that the DNR Lands and the DNR Wild Areas layers were no longer displaying in the ArcGIS Online Map Viewer. The data are still there, the attribute tables can be opened and viewed, both layers display exactly as intended in Map Viewer Classic, and both layers are still available for download from the MSDIS Archive. The one and only problem that we can currently identify is that they simply do not display in the new Map Viewer. We have pulled both datasets from the Hub site as a precaution. While we do not have a solution to this issue, it is worth pointing out that earlier versions of both layers display just fine in map viewer.

We continue to investigate as time allows.

2023/2024 Missouri County Imagery

MSDIS received the two hard drives containing the 2023/2024 imagery collection tiles on 20 November 2023 and the single hard drive containing the mosaics on 30 November 2023.

Deployment status is as follows:

- All tiles have been copied to MSDIS virtual storage and are currently awaiting processing for the creation of a project mosaic. **No estimate for completion is available at this time nor will one be provided as we proceed.**
- All county mosaics have been stored as Zip files and copied to MSDIS virtual storage. These files are currently available for download from either the [MSDIS Data Archive](#) or [The Missouri Map](#).
- Because the mosaics from the new project were delivered in both UTM and State Plane coordinates, a brand new shapefile was developed for their inclusion in The Missouri Map. As such, there is now one layer in The Missouri Map to download the mosaics from the southern half of the state and a second layer to download the mosaics from the northern half of the state.
- Since these two projects are of such importance, we have rearranged to layer order of The Missouri Map table of contents. Where the Missouri County Imagery Index was previously the first and default layer when the application loaded, the two mosaic layers are now the default layers.
- Owing to the resolution of the new imagery, some of these mosaics are VERY LARGE. Either version of the St Charles county mosaic, for example, weighs in at 35 GB. While most of the mosaics are roughly half that size, we cannot stress enough that downloading these files is going to take you some time.

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	3,390,622
December	-
2023 Total	33,605,280