

MSDIS Update – December 2019

New and Updated Data

- 2019 Adult Daycare (December Update)
- 2019 Ambulatory Surgical Centers (December Update)
- 2020 Ambulatory Surgical Centers (January Update)
- 2019 Dialysis Centers (December Update)
- 2020 Dialysis Centers (January Update)
- 2019 Hospitals (December Update)
- 2019 Licensed Pharmacies (December Update)
- 2019 Local Public Health Agencies (December Update)
- 2019 Long Term Care Facilities (December Update)
- 2019 Rural Health Clinics (December Update)
- 2019 Sales Tax Jurisdiction Boundaries (December Update)
- 2019 WIC Satellite Offices (December Update)

MSDIS General News

At the request of OGI, the latest versions of the Missouri House (2011) and Senate (2012) boundaries have been added to the Missouri Open Data page in response to increased interest in political districts stemming from the 2020 presidential election.

MSDIS Downtime

No outages were reported during December 2019.

Listserv Subscriptions

KCAIUG - 194
MGISAC – 191
MISSOURIMAPPERSASSOC - 39
MOGISCON – 976
MOGIS_ADVISORY_COUNCIL - 29
MSDIS News – 186
STLGIS – 386

MSDIS Data Wish List

While MSDIS is always happy to distribute any new data, based on requests from our users, GRC map requests, and the overall state of the data catalog, acquisition of new or updated versions of the following datasets are of particular interest:

Missouri School Districts (latest Missouri version: 2013, latest TIGER/Line version: 2018)
Missouri Voting Districts (latest version: 2010)
Missouri Contour Lines (no previous version)
Missouri Higher Education Facilities (previous Missouri version: 2010)
Missouri Library Districts (previous version: 2013)
Missouri Enhanced Enterprise Zones (previous version: 2012)
Missouri Fire Protection Districts (no previous version)

Image Server December 2019 Usage Stats

Hits by Month

Month	Hits	Page views	Visitors
Aug-19	3967536	3963578	36447
Sept-19	3646012	3640711	34208
Oct-19	7926110	7921363	35212
Nov-19	3372185	3367077	34385
Dec-19	3558581	3554475	17708

Top Ten Hits by City

City	Hits	Hits (%)	Page views
United States/MO/Jefferson City	1,083,423	30.40%	1,080,752
United States/MO/Lohman	404,882	11.40%	404,862
United States/(unknown city)	394,633	11.10%	394,475
United States/MO/Saint Louis	290,490	8.20%	290,451
(unknown country)/(unknown city)	142,030	4.00%	141,909
United States/CO/Fort Collins	121,779	3.40%	121,775
United States/MO/Columbia	56,941	1.60%	56,823
United States/IL/Winchester	54,875	1.50%	54,875
United States/DC/Washington	52,212	1.50%	52,199
United States/AR/Russellville	47,111	1.30%	47,093

Top Ten Hits by Referrer

Referrer	Hits	Hits (%)	Page views
(no referrer)	1,626,721	45.70%	1,626,423
https://semorpc.maps.arcgis.com/	385,154	10.80%	385,154
http://traveler.modot.mo.gov/	287,728	8.10%	287,728
http://tmsmaps/	169,081	4.80%	169,081
http://batesgis.integritygis.com/	117,697	3.30%	117,697
https://msdis.maps.arcgis.com/	91,349	2.60%	91,349
https://www.arcgis.com/	86,069	2.40%	86,067
http://mmsuat/	68,742	1.90%	68,742
https://apps5.mo.gov/	59,953	1.70%	57,407
http://rallsgis.integritygis.com/	50,996	1.40%	50,996

Map Server December 2019 Usage Stats

Hits by Month

Month	Hits	Page views	Visitors
Aug-19	955657	949138	5301
Sept-19	370928	364591	63006
Oct-19	476142	472193	4933
Nov-19	334212	331535	4143
Dec-19	333326	331520	2474

Top Ten Hits by City

City	Hits	Hits (%)	Page views
United States/FL/Brandon	34,053	10.20%	34,045
United States/VT/Waterbury	24,981	7.50%	24,981
United States/(unknown city)	24,406	7.30%	24,281
United States/GA/Tucker	21,204	6.40%	21,192
(unknown country)/(unknown city)	16,314	4.90%	16,205
United States/MO/Saint Louis	13,330	4.00%	13,260
United States/MO/Columbia	13,212	4.00%	13,169
United States/MO/Cape Girardeau	12,654	3.80%	12,637
United States/NJ/Mount Laurel	10,810	3.20%	10,764
United States/NJ/Woodbridge	9,018	2.70%	9,018

Top Ten Hits by Referrer

Referrer	Hits	Hits (%)	Page views
(no referrer)	163,248	49.00%	162,729
https://msdis.maps.arcgis.com/	100,188	30.10%	100,188
https://semorpc.maps.arcgis.com/	37,454	11.20%	37,454
https://data-msdis.opendata.arcgis.com/	4,826	1.40%	4,826
https://www.arcgis.com/	3,709	1.10%	3,709
http://stlcogis.maps.arcgis.com/	3,457	1.00%	3,457
http://semorpc.maps.arcgis.com/	3,413	1.00%	3,413
http://msdisweb.missouri.edu/	2,852	0.90%	1,811
http://www.arcgis.com/	2,642	0.80%	2,642
https://mdcgis.maps.arcgis.com/	2,153	0.60%	2,153

MSDIS Data Archive December 2019 Usage Stats

Hits by Month

Month	Hits	Page views	Visitors
Aug-19	35449	34063	2111
Sept-19	44193	42598	2590
Oct-19	51296	49655	5552
Nov-19	29648	28197	5948
Dec-19	32097	30764	2769

Top Ten Hits by City

City	Hits	Hits (%)	Page views
United States/CA/Mountain View	6,041	18.80%	5,909
United States/NJ/Woodbridge	3,830	11.90%	3,809
(unknown country)/(unknown city)	3,808	11.90%	3,667
Ukraine/(unknown city)	3,746	11.70%	3,746
United States/CA/Palo Alto	2,732	8.50%	2,730
United States/MI/Baldwin	1,335	4.20%	1,327
Japan/(unknown city)	1,018	3.20%	1,018
China/Beijing/Beijing	919	2.90%	919
United States/(unknown city)	899	2.80%	784
Switzerland/(unknown city)	639	2.00%	639

Top Ten Hits by Referrer

Referrer	Hits	Hits (%)	Page views
(no referrer)	28,260	88.00%	27,685
http://msdis-archive.missouri.edu/	2,801	8.70%	2,045
http://www.msdis.missouri.edu/	568	1.80%	568
http://msdis.missouri.edu/	369	1.10%	369
https://www.google.com/	23	0.10%	21
http://progressive-seo.com	19	0.10%	19
http://twitter.com/	7	0.00%	7
https://stripe.com/	5	0.00%	5
http://facebook.com/	4	0.00%	4
https://www.facebook.com/	3	0.00%	3

APPENDIX I – MSDIS Emails

MSDIS 2019 Year End Wrap-Up

GIS Friends

Campus is practically deserted and emails have slowed to a trickle, which must mean that it's time to write another MSDIS Year-in-Review email.

Much like last year, 2019 was an exciting ride from start to finish for MSDIS. To kick things off, we hosted a three day workshop in St Louis with the help of the Mizzou Department of Geography to introduce public health professionals to ArcGIS Pro. The workshop was organized by the East West Gateway Council of Governments with funds provided by the U.S. Dept of Homeland Security. We had a fantastic time helping the attendees (who all came prepared with some GREAT questions, by the way) better understand not just ArcGIS Pro, but also ArcGIS Desktop and ArcGIS Online.

Our St Louis workshop wasn't the only field trip that MSDIS took this year, though. From Southeast Missouri to Springfield to the Lake of the Ozarks, MSDIS was thrilled to be invited to so many different corners of the state to meet our users and talk about all of the changes that have been going on behind the scenes at the clearinghouse. We also took our metadata workshop on the road this year and, thanks to our wonderful partners at MGISAC and Missouri Mappers Association who helped make the arrangements and secure the refreshments, spent a great day in Lee's Summit explaining the how and why of good geospatial data documentation.

In between all of those visits, we were hard at work deploying new and updated data for Missouri's GIS professionals. This was a really great year for the MSDIS data catalog as we continued to add to and update the health-related datasets from the Dept of Health and Senior Services that we began distributing last year, continued to release the newest versions of MoDOT's transportation data, updated several of the older water and geology-related data from the Dept of Natural Resources, added some very cool new data from the Dept of Conservation, and made the sales tax jurisdiction boundaries developed by the Office of Geospatial Information available for download. And that's not even the whole list! We received new aerial photography. We were given updated schools shapefiles. We got new LiDAR data that filled in a huge chunk of Missouri's overall coverage. Honestly, the list goes on for so long that I could write an entire email detailing JUST the new and updated data.

These new data aren't just being added to the collection for the sake of sitting around, either. All of this information is being used. We've seen increases in our server traffic throughout the year across all three of our servers. Our map data server, in fact, saw a steady increase in traffic from one month to the next for the overwhelming majority of 2019. That increased interest in our map data, combined with the fact that our imagery server continues to record millions of hits each month, has resulted in very strong numbers for MSDIS this year.

Needless to say, none of any of this would have been possible without the continued help, trust, and support of our friends and partners. We are truly grateful to all of the offices and agencies across the state who are willing to share their data with us so that we can share it with everyone else. Nothing about MSDIS would be possible without the talented and hard-working Missouri GIS community, and we extend our thanks to everyone involved at every level of the data creation and collection processes. We also want to give a big shout out to our two outstanding workstudy students – Ben Kite and L Wiley – who have done a lot of work behind the scenes to make MSDIS a better, more user-friendly data clearinghouse. We absolutely couldn't have accomplished as much as we did this year without their

help. We look forward to working with Ben again next semester, and we wish L the absolute very best as she finishes up her final semester at Mizzou and moves on to bigger and better opportunities. Finally, we owe a huge thanks to the University of Missouri, the College of Arts and Sciences, and the Department of Geography. Our colleagues at Mizzou continue to be nothing but supportive of the clearinghouse and we have been blown away by the level interest they've shown in promoting and advancing our mission.

The year wasn't without its obstacles, of course. We did have to navigate through a handful of data migrations, service outages, and network shenanigans. At every single instance of major technical problems, though, our colleagues at the Mizzou Division of IT have been on-hand, ready to jump in and assist. While we wish we could promise you a clearinghouse free of technical difficulties and occasional disruptions, we are thankful to have such a talented network of problem solvers on our side.

As we gear up for next year, we are thrilled with how things are already shaping up. Thanks to our move back to the main campus, MSDIS is better positioned than ever to reach out and work more closely with Mizzou. After a great deal of planning, we have finally launched an independent study course in coordination with Mizzou Geography and will be welcoming several new student workers next semester who will be working with MSDIS in exchange for college credit hours. We also have several exciting projects planned that we're really looking forward to sharing with you once they get closer to completion.

To summarize, it was a pretty darned good year for your friendly neighborhood GIS data clearinghouse. It wasn't a perfect year. It wasn't a problem-free year. But it was pretty good year all the same. And, as always, we owe that success to you, Missouri's GIS professionals. So, as we close the book on 2019, we want to take one last opportunity to thank you for your support, your time, your patience, and your trust.

-Tom