

MSDIS Update – February 2020

New and Updated Data

- 2020 Sales Tax Jurisdiction Boundaries (February Update)
- 2020 Missouri Department of Conservation Lands
- 2020 Missouri Department of Conservation Trails
- 2020 WIC Satellite Offices (January Update)
- 2020 Rural Health Clinics (January Update)
- 2020 Rural Health Clinics (February Update)
- 2020 Long Term Care Facilities (February Update)
- 2020 Dialysis Centers (February Update)
- 2020 Ambulatory Surgical Centers (February Update)
- 2020 Adult Daycare (February Update)
- 2020 Federally Qualified Health Centers (February Update)

MSDIS General News

The MSDIS Bicentennial project has left the proof-of-concept phase and has been passed along to the Department of Geography for review.

Following from last month's report about problems with the LiDAR DEM tile downloads, we have temporarily replaced the tile DEM downloads with the county DEM downloads. As we wait for the tile DEMs to be restored, we are experimenting with various other means of getting all of our LiDAR data out to the public, including partial-county and project downloads.

MSDIS Downtime

No outages were reported during February 2020, however, we recorded severe slowdown of our imagery services on Wednesday, 26 February. Seeing no obvious problems with the servers or our GIS installations, we immediately contacted our primary contact within the Mizzou Data Center, who confirmed that the storage cluster which houses the data used to fuel MSDIS services was experiencing very heavy utilization that day. After some trial and error, MSDIS and the Data Center were able to confirm that the higher-than-normal use of the data cluster was the most likely cause of the imagery slowdown.

Listserv Subscriptions

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

Image Server February 2020 Usage Stats

Hits by Month

Month	Hits	Page views	Sessions	Avg Sessions per day	Visitors
Oct-19	7926110	7921363			35212
Nov-19	3372185	3367077			34385
Dec-19	3558581	3554475			17708
Jan-20	4222632	4215206	75927	2449	20082
Feb-20	3588220	3572337	70890	2444	19149

Top Ten Hits by City

City	Hits	Hits (%)	Page views
United States/MO/Jefferson City	1,062,876	29.70%	1,059,544
United States/(unknown city)	414,238	11.60%	414,136
United States/MO/Lohman	346,192	9.70%	346,174
United States/MO/Saint Louis	228,227	6.40%	228,148
(unknown country)/(unknown city)	136,746	3.80%	136,698
United States/MO/Springfield	115,123	3.20%	114,820
United States/CO/Fort Collins	91,840	2.60%	91,830
United States/IL/Winchester	69,561	1.90%	69,559
United States/AR/Russellville	53,627	1.50%	53,616
United States/MO/Columbia	46,627	1.30%	46,502

Top Ten Hits by Referrer

Referrer	Hits	Hits (%)	Page views
(no referrer)	1,593,314	44.50%	1,592,982
https://semorpc.maps.arcgis.com/	480,676	13.40%	480,676
http://traveler.modot.mo.gov/	246,347	6.90%	246,347
http://tmsmaps/	149,995	4.20%	149,995
https://msdis.maps.arcgis.com/	112,069	3.10%	112,069
https://mms.modot.mo.gov/	100,843	2.80%	100,843
http://batesgis.integritygis.com/	95,762	2.70%	95,762
https://www.arcgis.com/	82,372	2.30%	82,372
https://apps5.mo.gov/	69,870	2.00%	66,666
https://dallasgis.integritygis.com/	55,905	1.60%	55,905

Map Server February 2020 Usage Stats

Hits by Month

Month	Hits	Page views	Sessions	Avg Sessions per day	Visitors
Oct-19	476142	472193			4933
Nov-19	334212	331535			4143
Dec-19	333326	331520			2474
Jan-20	365742	363366	9667	311	2698
Feb-20	310641	308209	9685	333	2669

Top Ten Hits by City

City	Hits	Hits (%)	Page views
United States/FL/Brandon	55,519	17.90%	55,517
(unknown country)/(unknown city)	43,001	13.80%	42,809
United States/(unknown city)	19,869	6.40%	19,702
United States/NJ/Mount Laurel	17,067	5.50%	17,039
United States/MO/Columbia	11,860	3.80%	11,706
United States/NJ/Woodbridge	11,444	3.70%	11,442
United States/MO/Saint Louis	11,124	3.60%	10,973
United States/MO/Jefferson City	9,056	2.90%	9,013
United States/MO/Springfield	5,614	1.80%	5,294
United States/IL/Winchester	5,445	1.80%	5,445

Top Ten Hits by Referrer

Referrer	Hits	Hits (%)	Page views
(no referrer)	167,590	53.90%	167,048
https://msdis.maps.arcgis.com/	48,698	15.70%	48,698
https://semorpc.maps.arcgis.com/	25,380	8.20%	25,380
https://geovelollc.maps.arcgis.com/	19,752	6.40%	19,752
https://www.arcgis.com/	17,155	5.50%	17,155
https://data-msdis.opendata.arcgis.com/	5,505	1.80%	5,505
http://www.esri.com/	5,099	1.60%	5,099
http://msdisweb.missouri.edu/	3,452	1.10%	1,934
https://moaa.maps.arcgis.com/	3,209	1.00%	3,209
https://mdcgis.maps.arcgis.com/	2,248	0.70%	2,248

MSDIS Data Archive February 2020 Usage Stats

Hits by Month

Month	Hits	Page views	Sessions	Avg Sessions per day	Visitors
Oct-19	51296	49655			5552
Nov-19	29648	28197			5948
Dec-19	32097	30764			2769
Jan-20	26028	24119	8960	289	1819
Feb-20	31604	29814	11607	400	2706

Top Ten Hits by City

City	Hits	Hits (%)	Page views
United States/CA/Mountain View	4,063	12.90%	3,918
(unknown country)/(unknown city)	3,930	12.40%	3,768
Ukraine/(unknown city)	3,740	11.80%	3,740
United States/CA/Palo Alto	2,580	8.20%	2,580
United States/MO/Gorin	2,559	8.10%	2,556
United States/NJ/Woodbridge	1,865	5.90%	1,848
United Kingdom/(unknown city)	1,180	3.70%	1,176
United States/CT/Fairfield	1,102	3.50%	1,102
United States/(unknown city)	904	2.90%	747
Japan/(unknown city)	821	2.60%	821

Top Ten Hits by Referrer

Referrer	Hits	Hits (%)	Page views
(no referrer)	26,438	83.70%	25,728
http://msdis-archive.missouri.edu/	3,944	12.50%	2,866
http://www.msdis.missouri.edu/	753	2.40%	753
http://msdis.missouri.edu/	359	1.10%	359
https://www.google.com/	64	0.20%	64
http://lewisclark.geog.missouri.edu/	10	0.00%	10
http://data-msdis.opendata.arcgis.com/	8	0.00%	8
http://every-lang-seo.com	7	0.00%	7
http://localhost:8888/	3	0.00%	3
android-app://com.google.android.gm	3	0.00%	3