

MSDIS Update – October 2018

New Data

2018 Ambulatory Surgical Centers October Update

2018 Federally Qualified Health Center Locations October Update

2018 Local Public Health Agencies October Update

2018 WIC Satellite Offices October Update

2018 Rural Health Clinics October Update

2018 Dialysis Centers

2018 Hospitals October Update

2018 Adult Daycare Oct Update

2018 Natural Glades

2018 Abandoned Mine Land Project Boundaries

2018 Major Water Users

2018 Closed Non-Coal Mine Shafts

2018 MoDOT Roads Routes October Update

2018 MoDOT Roads Arcs October Update

2018 MoDOT Emergency Reference Markers

2018 MoDOT Rest Areas

2018 MoDOT Commuter Lots

2018 Air Quality Standards Nonattainment Areas

2017 TIGER/Line All Roads (statewide mosaic)

2017 TIGER/Line Linear Water Features (statewide mosaic)

2017 TIGER/Line Area Water Features (statewide mosaic)

2017 TIGER/Line Address Features (statewide mosaic)

MSDIS General News

MSDIS, in association with the Missouri Census Data Center and coinciding with the approaching Midterm Election, released its first Story Map application at the end of October. The application presented county-level voter turnout data from each General Election from 2000 to 2016. Once official turnout data from the 2018 election are distributed by the Missouri Secretary of State, the application will be updated.

MSDIS has collected the 2018 TIGER/Line data for Missouri, but has not moved to publish any of the updates. After several email exchanges with the Census' Geographic Customer Service Branch, we have confirmed that the ISO 19115-3 metadata for the new data are not currently compatible with the ISO 19139 metadata style supported by ArcCatalog. This was not a problem with previous TIGER data releases because they came with FGDC metadata in addition to the ISO 19115-3 metadata. We are working to find a solution.

MSDIS Downtime

MSDIS is not aware of any downtime during the month of October however we were notified that state offices were unable, on at least two occasions, to access the WUSTL Lidar ftp. We were unable to replicate this difficulty and were not contacted by anyone else experiencing the same issues.

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: 2017)

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 Department of Natural Resources Boundaries (previous version: 2016)

MSDIS October 2018 Usage Stats

Image Server

Hits by Month

Month	Hits	Page views	Visitors
June-18	3481356	3480325	28697
July-18	3775285	3774525	29647
Aug-18	4113595	4112411	31094
Sept-18	3299986	3299145	27902
Oct-18	3723049	3720155	30893

Hits By Directory

Pages/directories	Hits	Hits (%)
/arcgis/rest/services/MSDIS/	1744753	50.37
/arcgis/rest/services/LGov/	1360685	39.28
/arcgis/rest/services/LiDAR/	216683	6.26
/arcgis/rest/services/Map/	113787	3.28
/arcgis/rest/services/StLouisHistoricalAerialPhotos/	24911	0.72
/arcgis/rest/services/Joplin/	2471	0.07
/arcgis/rest/services/2015Flood/	678	0.02

Top Ten Hits by Region

Region	Hits	Hits (%)	Page views
United States/MO/	2517355	67.6	2514835
United States/(unknown city)	304642	8.2	304594
(unknown country)/(unknown city)	143108	3.8	143046
United States/CO/	112965	3	112948
United States/IL/	93168	2.5	93157
United States/CA/	75014	2	75003
United States/AR/	71141	1.9	71139
United States/GA/	47003	1.3	46890
Canada/ON/	35905	1	35898
United States/NJ/	31104	0.8	31104

Top Ten Hits by City

City	Hits	Hits (%)	Page views
United States/MO/Jefferson City	1221127	32.8	1220950
United States/MO/Lohman	558453	15	558437
United States/(unknown city)	304642	8.2	304594
United States/MO/Saint Louis	167552	4.5	167518
United States/MO/Springfield	144946	3.9	144930
(unknown country)/(unknown city)	143108	3.8	143046
United States/CO/Fort Collins	99757	2.7	99752
United States/AR/Russellville	58402	1.6	58400
United States/GA/Tucker	39531	1.1	39525
United States/MO/Marble Hill	36446	1	36446

Top Ten Hits by Client IP

Client IP	Hits	Hits (%)	Page views
168.166.124.100	541844	14.6	541757
168.166.48.53	529026	14.2	529012
168.166.80.243	407312	10.9	407233
168.166.193.254	164069	4.4	164069
168.166.80.248	65896	1.8	65896
173.218.180.174	58402	1.6	58400
12.129.64.197	39531	1.1	39525
146.7.97.6	37844	1	37844
64.82.236.62	35802	1	35802
12.88.53.22	32435	0.9	32435

Top Ten Hits by Referrer

Client IP	Hits	Hits (%)	Page views
(no referrer)	1926561	51.7	1924118
https://semorpc.maps.arcgis.com/	468935	12.6	468935
http://traveler.modot.mo.gov/	272019	7.3	272019
http://tmsmaps/	174275	4.7	174275
https://douglasgis.integritygis.com/	118704	3.2	118704
https://msdis.maps.arcgis.com/	96693	2.6	96693
http://www.esri.com/	88068	2.4	88068
https://dallasgis.integritygis.com/	57539	1.5	57539
http://rallsgis.integritygis.com/	55230	1.5	55230
http://semorpc.maps.arcgis.com/	46439	1.2	46439

Map Server

Hits by Month

Month	Hits	Page views	Visitors
June-18	193976	186678	4835
July-18	217913	207472	3561
Aug-18	244792	235769	4986
Sept-18	194788	188544	3327
Oct-18	317199	306953	3725

Top Ten Directory Hits

Pages/directories	Hits	Hits (%)	Page views
/arcgis/rest/services/Administrative_Boundaries/	60980	28.4	60980
/arcgis/rest/services/Transportation/	57009	26.5	57009
/arcgis/rest/services/TIGER_Data/	27848	13	27848
/arcgis/rest/services/Geological_Geophysical/	16167	7.5	16167
/arcgis/rest/services/Water_Resources/	14065	6.5	14065
/arcgis/rest/services/Health/	9527	4.4	9527
/arcgis/rest/services/MSDIS_Projects/	8496	4	8496
/arcgis/rest/services/MOHypsographyDownloadTool/	5418	2.5	5418
/arcgis/rest/services/Culture_Society/	4400	2	4400
/arcgis/rest/services/Environment_Conservation/	4377	2	4377

Top Ten Hits by Region

Region	Hits	Hits (%)	Page views
United States/MO/	146730	46.3	137607
United States/MA/	32594	10.3	32594
United States/NJ/	31315	9.9	31311
United States/TX/	20923	6.6	20887
United States/(unknown city)	14567	4.6	14496
(unknown country)/(unknown city)	12279	3.9	12079
United States/IL/	5756	1.8	5743
United States/MI/	5730	1.8	5669
United States/CA/	5373	1.7	5042
United States/DE/	4563	1.4	4563

Top Ten Hits by City

City	Hits	Hits (%)	Page views
United States/MO/Columbia	55051	17.4	46883
United States/MO/Harrisonville	40418	12.7	40418
United States/MA/Cambridge	32346	10.2	32346
United States/TX/Houston	18852	5.9	18850
United States/NJ/Mount Laurel	17174	5.4	17172
United States/(unknown city)	14567	4.6	14496
United States/NJ/Woodbridge	14038	4.4	14038
United States/MO/Saint Louis	13795	4.3	13685
(unknown country)/(unknown city)	12279	3.9	12079
United States/MO/Jefferson City	11330	3.6	11186

Top Ten Hits by Client IP

Client IP	Hits	Hits (%)	Page views
128.206.12.147	40619	12.8	33637
76.4.163.149	40418	12.7	40418
73.48.50.12	15589	4.9	15589
18.204.243.84	8524	2.7	8524
18.214.99.223	4463	1.4	4463
128.206.12.53	4447	1.4	3289
34.203.221.234	4178	1.3	4178
168.166.80.203	4166	1.3	4166
18.234.228.98	3872	1.2	3872
18.207.98.153	3662	1.2	3662

Top Ten Hits by Referrer

Referrer	Hits	Hits (%)	Page views
(no referrer)	206858	65.2	198012
https://msdis.maps.arcgis.com/	73314	23.1	73314
https://data-msdis.opendata.arcgis.com/	17911	5.6	17911
https://SDITGISP0888.state.mo.us:6143/	4166	1.3	4166
https://www.arcgis.com/	2695	0.8	2695
https://modnr.maps.arcgis.com/	1973	0.6	1973
http://geovelollc.maps.arcgis.com/	1406	0.4	1406
http://www.arcgis.com/	1255	0.4	1255
http://msdisweb.missouri.edu/	1175	0.4	609
http://geoportal.missouri.edu/	1031	0.3	233

MSDIS Data Archive

Hits by Month

Month	Hits	Page views	Visitors
June-18	99763	98741	2092
July-18	30490	29577	2381
Aug-18	30114	28967	1911
Sept-18	48990	46716	1696
Oct-18	23315	21769	1900

Hits by Directory

Pages/directories	Hits	Hits (%)	Page views
/archive/Missouri_Vector_Data/	9005	42.4	9004
/archive/Missouri_Elevation_Data/	3249	15.3	3249
/archive/metadata_gos/	2438	11.5	2438
/archive/Missouri_Imagery/	1869	8.8	1869
/archive/MSDIS_Misc_Data/	886	4.2	883
/archive/Missouri_County_LiDAR/	733	3.5	733
/archive/MSDIS_Outbox/	375	1.8	375
/archive/StLouis2016LAS_TEMP/	213	1	213

Top Ten Hits by Region

Region	Hits	Hits (%)	Page views
United States/CA/	7415	31.8	7315
United States/MO/	4756	20.4	4024
(unknown country)/(unknown city)	2110	9	2000
United States/(unknown city)	1586	6.8	1432
Switzerland/(unknown city)	1320	5.7	1320
United States/WA/	855	3.7	841
United States/IN/	778	3.3	770
Ukraine/(unknown city)	721	3.1	721
Korea, Republic of/Taejon-jikhalsi/	458	2	458
United States/MI/	230	1	220

Top Ten Hits by City

City	Hits	Hits (%)	Page views
United States/CA/Mountain View	4995	21.4	4926
(unknown country)/(unknown city)	2110	9	2000
United States/CA/Palo Alto	2003	8.6	2003
United States/MO/Columbia	1654	7.1	1511
United States/(unknown city)	1586	6.8	1432
Switzerland/(unknown city)	1320	5.7	1320
United States/MO/Saint Louis	879	3.8	712
United States/WA/Bellevue	819	3.5	819
United States/IN/Indianapolis	765	3.3	761
Ukraine/(unknown city)	721	3.1	721

Top Ten Hits by Client IP

Client IP	Hits	Hits (%)	Page views
100.43.91.105	1748	7.5	1748
5.255.250.128	1223	5.2	1222
128.206.111.125	599	2.6	599
203.133.170.10	438	1.9	438
168.166.80.233	432	1.9	428
66.249.75.213	408	1.7	408
66.249.69.28	375	1.6	375
66.249.75.217	360	1.5	360
66.249.75.215	357	1.5	357
66.249.69.30	355	1.5	355

Top Ten Hits by Referrer

Referrer	Hits	Hits (%)	Page views
(no referrer)	17969	77.1	17202
http://msdis-archive.missouri.edu/	4259	18.3	3480
http://www.msdis.missouri.edu/	920	3.9	920
http://msdis.missouri.edu/	123	0.5	123
https://www.google.com/	29	0.1	29
http://www.google.com/	3	0	3
httpmsdis-archive.missouri.edu	3	0	3
http://www.example.org/	2	0	2
https://msdis.maps.arcgis.com/	2	0	2
http://data-msdis.opendata.arcgis.com/	2	0	2