

MSDIS Update – February 2019

New and Updated Data

- 2018 Total Max Daily Load - Streams
- 2018 Total Max Daily Load - Watersheds
- 2018 Aquatic Invertebrate Monitoring Sites
- 2018 State Permitted Oil and Gas Wells
- 2018 Metallic Mineral Waste Management Areas
- 2018 Sinkholes
- 2018 Sink Areas
- 2018 Dye Trace Injection Points
- 2018 Dye Trace Paths
- 2018 Dye Trace Recovery Points
- 2018 Losing and Gaining Stream Segments
- 2019 Drill Areas
- 2019 Cave Density
- February 2019 Hospitals
- February 2019 Ambulatory Surgical Centers
- February 2019 Dialysis Centers
- February 2019 Rural Health Clinics
- February 2019 WIC Satellite Offices
- February 2019 Adult Daycare
- February 2019 Federally Qualified Health Center Locations
- 2019 Dams
- 2019 Inventory of Mines, Occurrences, and Prospects
- 2019 Well Cores
- 2019 Well Cuttings
- 2019 Wells- 2019 LRIS Effective Mines Boundaries
- 2019 LRIS Effective Mine Sites

MSDIS General News

MSDIS completed the migration of all data to a new cloud computing cluster. Both map and image services have been monitored across the month to ensure that interruptions were kept to a minimum. Apart from a handful of image services which were not stored in the same geodatabase as the majority of MSDIS' imagery mosaics, we believe that the migration was successfully completed with minimal outages.

MSDIS Downtime

MSDIS is not aware of any downtime during the month of January.

Listserv Subscriptions

KCAIUG - 207
MGISAC – 175
MISSOURIMAPPERSASSOC - 38
MOGISCON – 980

MOGIS_ADVISORY_COUNCIL - 28
MSDIS News – 180
STLGIS - 368

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 February 2019 Usage Stats

Image Server

Hits by Month

Month	Hits	Page views	Visitors
Oct-18	3723049	3720155	30893
Nov-18	3800114	3798187	30032
Dec-18	3527756	3523406	28831
Jan-19	4217018	4215877	31119
Feb-19	3496697	3494432	29460

Hits by Directory

Pages/directories	Hits	Hits (%)
/arcgis/rest/services/MSDIS/	1694926	52.3848
/arcgis/rest/services/LGov/	1316918	40.70177
/arcgis/rest/services/LiDAR/	97952	3.027387
/arcgis/rest/services/Map/	86379	2.669702
/arcgis/rest/services/StLouisHistoricalAerialPhotos/	35416	1.094597
/arcgis/rest/services/Joplin/	3026	0.093524
/arcgis/rest/services/2015Flood/	913	0.028218

Top Ten Hits by Region

Region	Hits	Hits (%)	Page views
United States/MO/	2109602	60.3	2108026
United States/(unknown city)	354393	10.1	354305
United States/AR/	153162	4.4	153156
(unknown country)/(unknown city)	141852	4.1	141828
United States/CA/	102542	2.9	102522
United States/CO/	98643	2.8	98623
United States/IL/	73800	2.1	73724
United States/TX/	68930	2	68579
United States/DC/	48183	1.4	48183
United States/NJ/	40567	1.2	40563

Top Ten Hits by City

City	Hits	Hits (%)	Page views
United States/MO/Jefferson City	1005637	28.8	1005281
United States/MO/Lohman	423808	12.1	423798
United States/(unknown city)	354393	10.1	354305
United States/MO/Saint Louis	208836	6	208811
United States/AR/Russellville	143123	4.1	143120
(unknown country)/(unknown city)	141852	4.1	141828
United States/MO/Springfield	100621	2.9	100576
United States/CO/Fort Collins	79780	2.3	79771
United States/CA/Fremont	68077	1.9	68077
United States/DC/Washington	48183	1.4	48183

Top Ten Hits by Client IP

Client IP	Hits	Hits (%)	Page views
168.166.80.221	517553	14.8	517485
168.166.48.147	402138	11.5	402128
168.166.80.243	266707	7.6	266424
173.218.180.174	143123	4.1	143120
168.166.193.254	130068	3.7	130068
12.156.204.66	66585	1.9	66583
199.192.157.49	66224	1.9	66224
69.92.164.90	47745	1.4	47396
168.166.80.248	40748	1.2	40748
38.135.218.5	33313	1	33313

Top Ten Hits by Referrer

Referrer	Hits	Hits (%)	Page views
(no referrer)	1783748	51	1782185
https://semorpc.maps.arcgis.com/	467765	13.4	467765
http://traveler.modot.mo.gov/	220534	6.3	220534
http://tmsmaps/	180039	5.1	180039
https://msdis.maps.arcgis.com/	93768	2.7	93768
https://douglasgis.integritygis.com/	89781	2.6	89781
http://tms/	77193	2.2	77193
http://www.esri.com/	75459	2.2	75459
http://rallsgis.integritygis.com/	48599	1.4	48599
https://dallasgis.integritygis.com/	47808	1.4	47808

Map Server

Hits by Month

Month	Hits	Page views	Visitors
Oct-18	317199	306953	3725
Nov-18	377446	368511	4490
Dec-18	277716	267352	4658
Jan-19	366418	356781	4214
Feb-19	294977	282535	4391

Hits by Directory

Pages/directories	Hits	Hits (%)	Page views
/arcgis/rest/services/Administrative_Boundaries/	75934	33	75934
/arcgis/rest/services/Transportation/	47811	20.8	47811
/arcgis/rest/services/MSDIS_Projects/	32648	14.2	32648
/arcgis/rest/services/TIGER_Data/	23526	10.2	23526
/arcgis/rest/services/Health/	12629	5.5	12629
/arcgis/rest/services/Geological_Geophysical/	11898	5.2	11897
/arcgis/rest/services/Water_Resources/	5977	2.6	5977
/arcgis/rest/services/Environment_Conservation/	5417	2.4	5417
/arcgis/rest/services/Education/	3731	1.6	3731
/arcgis/rest/services/Culture_Society/	3555	1.5	3555

Top Ten Hits by Region

Region	Hits	Hits (%)	Page views
United States/MO/	133332	45.2	124135
United States/NJ/	33507	11.4	33357
United States/(unknown city)	17604	6	17319
(unknown country)/(unknown city)	14636	5	14480
United States/CT/	9385	3.2	9385
United States/TX/	7870	2.7	7760
United States/MA/	7306	2.5	7300
United States/IL/	5934	2	5884
United States/MI/	5587	1.9	5534
United States/CA/	4996	1.7	4732

Top Ten Hits by City

City	Hits	Hits (%)	Page views
United States/MO/Columbia	48171	16.3	40449
United States/NJ/Woodbridge	29472	10	29471
United States/MO/Saint Louis	24687	8.4	24538
United States/MO/Bonne Terre	20564	7	20562
United States/(unknown city)	17604	6	17319
(unknown country)/(unknown city)	14636	5	14480
United States/CT/Fairfield	9177	3.1	9177
United States/MA/Cambridge	6804	2.3	6802
United States/MO/Jefferson City	6442	2.2	6224
United States/MO/Arnold	5972	2	5972

Top Ten Hits by Client IP

Client IP	Hits	Hits (%)	Page views
128.206.12.147	39301	13.3	32389
75.133.145.174	20564	7	20562
54.82.108.103	16433	5.6	16433
24.171.5.81	5798	2	5798
12.174.118.246	3632	1.2	3632
173.216.205.139	3594	1.2	2018
54.80.182.40	3233	1.1	3233
128.252.157.60	3002	1	3001
168.166.80.221	2643	0.9	2609
168.166.80.243	2609	0.9	2465

Top Ten Hits by Referrer

Referrer	Hits	Hits (%)	Page views
(no referrer)	161868	54.9	151142
https://msdis.maps.arcgis.com/	96429	32.7	96429
https://data-msdis.opendata.arcgis.com/	15028	5.1	15028
https://cole-gis.com/	3966	1.3	3966
https://www.arcgis.com/	3540	1.2	3540
http://msdisweb.missouri.edu/	2047	0.7	887
https://rdpm.rpd.io/	1905	0.6	1905
http://limno.maps.arcgis.com/	1386	0.5	1386
https://umn.maps.arcgis.com/	1149	0.4	1149
https://tcad.rpd.io/	841	0.3	841

MSDIS Data Archive

Hits by Month

Month	Hits	Page views	Visitors
Oct-18	23315	21769	1900
Nov-18	37450	35625	1802
Dec-18	36951	35677	1791
Jan-19	30863	29426	2172
Feb-19	57780	56290	2255

Hits by Directory

Pages/directories	Hits	Hits (%)	Page views
/archive/Missouri_Vector_Data/	18106	32.6	18091
/archive/Missouri_Elevation_Data/	16393	29.6	16393
/archive/Missouri_Imagery/	7730	13.9	7730
/archive/metadata_gos/	5122	9.2	5122
/archive/StLouis2016LAS_TEMP/	2779	5	2779
/archive/MSDIS_Misc_Data/	2157	3.9	2156
/archive/missouri_county_lidar/	642	1.2	642
/archive/MSDIS_Outbox/	289	0.5	289

Top Ten Hits by Region

Region	Hits	Hits (%)	Page views
(unknown country)/(unknown city)	24091	41.7	23966
United States/DE/	9450	16.4	9450
United Kingdom/(unknown city)	3769	6.5	3769
United States/MO/	3399	5.9	2838
United States/CA/	3336	5.8	3117
Switzerland/(unknown city)	2834	4.9	2834
Canada/ON/	2304	4	2256
United States/(unknown city)	1206	2.1	1124
Korea, Republic of/Taejon-jikhalsi/	1012	1.8	1012
United States/WA/	907	1.6	903

Top Ten Hits by City

City	Hits	Hits (%)	Page views
(unknown country)/(unknown city)	24091	41.7	23966
United States/DE/Wilmington	9450	16.4	9450
United Kingdom/(unknown city)	3769	6.5	3769
Switzerland/(unknown city)	2834	4.9	2834
Canada/ON/Ottawa	2304	4	2256
United States/CA/Palo Alto	2075	3.6	2075
United States/MO/Saint Louis	1223	2.1	1074
United States/(unknown city)	1206	2.1	1124
Korea, Republic of/Taejon-jikhalsi/Daejeon	1012	1.8	1012
United States/CA/Mountain View	1006	1.7	819

Top Ten Hits by Client IP

Client IP	Hits	Hits (%)	Page views
52.91.127.175	9114	15.8	9114
5.143.231.8	8909	15.4	8904
5.143.231.42	6840	11.8	6837
5.143.231.38	4141	7.2	4137
51.15.15.54	3768	6.5	3768
47.213.166.10	2090	3.6	2088
100.43.91.105	1226	2.1	1226
203.133.169.152	1012	1.8	1012
5.143.231.40	1010	1.7	1007
5.255.250.128	970	1.7	969

Top Ten Hits by Referrer

Referrer	Hits	Hits (%)	Page views
(no referrer)	51088	88.4	50460
http://msdis-archive.missouri.edu/	5742	9.9	4880
http://www.msdis.missouri.edu/	771	1.3	771
http://msdis.missouri.edu/	142	0.2	142
https://www.google.com/	23	0	23
http://www.google.com/	4	0	4
http://data-msdis.opendata.arcgis.com/	3	0	3
http://msdis.missouri.edu	2	0	2
http://www.msdis.missouri.edu	2	0	2
https://www.google.com.ng/	1	0	1