MSDIS Update – July 2018

New Data

2018 Missouri Department of Conservation Trails

2018 Public Drinking Water Districts

2018 Ambulatory Surgical Centers July Update

2018 Rural Health Clinics July Update

2018 WIC Satellite Offices July Update

2018 Adult Daycare July Update

2018 July MoDOT Roads

2018 Missouri Department of Conservation Lands

MSDIS General News

Due to increasing server traffic and server resource consumption, several map services of older data were removed from the MSDIS map server starting on 30 July. Many of these services had not generated any hits since being added to the MSDIS map server and these data are all still available for download via the MSDIS File Archive. If any of the removed data services were part of significant, ongoing organizational projects, we are more than happy to discuss restoring those services deemed most important by our partner agencies.

When it was originally designed, the MSDIS map server was not meant as a deployment platform for the number of high-use map services that we are interested in offering in an effort to modernize MSDIS and to expand our functionality. We are speaking with the A&S IT Staff to determine if there are other measures that can be taken to either relieve the current resource load being placed on the server or if we can affordably increase the resources of the map server to match those of the imagery server.

MSDIS Downtime

LiDAR downloads were temporarily unavailable during the Clearinghouse summit, and again on 30 July 2018, due to an issue with the Washington University ftp server. As soon as MSDIS was alerted to the problem, WashU was contacted and had the ftp back in working order shortly after.

MAGIC Clearinghouse Summit

MSDIS was very happy to attend the 2018 MAGIC Clearinghouse Summit, held July 23-25 in Lincoln, NE. As with previous years, we presented a short briefing on the current state of MSDIS, primarily focused on the major changes that have occurred since 01 January 2018.

Many of our fellow MAGIC clearinghouses discussed their own efforts to answer the same questions that MSDIS is struggling with, including the adoption of ESRI's Portal and Open Data solutions, preparing for the 2020 Census, preparing for the 3DEP project, preparing for the possible loss of the NAIP program, securing reliable parcel data and E911 solutions, and surviving ongoing funding 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 the following datasets are of particular interest:

Missouri School Districts
Missouri Voting Districts
Missouri Contour Lines
Missouri Rest Stops
Missouri Higher Education Facilities
Missouri Library Districts
Missouri Enhanced Enterprise Zones

MSDIS July 2018 Usage Stats

Image Server

Hits by Month

Month	Hits	Page views
Mar-18	89795	87408
Apr-18	3621003	3616352
May-18	3885250	3883809
June-18	3481356	3480325
July-18	3775285	3774525

Top Five LGov Hits

Pages/directories	Hits
/arcgis/rest/services/LGov/DOQQ2015_EastWestGateway_6inch/	468786
/arcgis/rest/services/LGov/DOQQ2015_WesternMissouri_18inch/	296290
/arcgis/rest/services/LGov/StFrancois_4inch_9inch_composite/	145050
/arcgis/rest/services/LGov/Washington2018_4inch_9inch_composite/	122091
/arcgis/rest/services/LGov/DOQQ2015_EasternMissouri_18inch/	118366

Top Five MSDIS Hits

Pages/directories	Hits
/arcgis/rest/services/MSDIS/NAIP2016/	1129691
/arcgis/rest/services/MSDIS/NAIP2014/	193941
/arcgis/rest/services/MSDIS/DOQQ2008/	123340
/arcgis/rest/services/MSDIS/DOQQ2015/	73491
/arcgis/rest/services/MSDIS/QUAD24K/	57251

Top Ten Hits by Region

Region	Hits	Hits (%)	Page views
United States/MO/	2257792	59.8	2257367
United States/(unknown city)	357625	9.5	357595
(unknown country)/(unknown city)	190862	5.1	190810
United States/CO/	171035	4.5	171024
United States/AR/	163681	4.3	163677
United States/IL/	99175	2.6	99160
United States/GA/	76235	2	76226
United States/CA/	59329	1.6	59306
Canada/ON/	46867	1.2	46863
United States/NJ/	40515	1.1	40512

Top Ten Hits by City

City	Hits	Hits (%)	Page views
United States/MO/Jefferson City	1168568	31	1168386
United States/(unknown city)	357625	9.5	357595
United States/MO/Lohman	314794	8.3	314729
United States/MO/Saint Louis	227548	6	227533
(unknown country)/(unknown city)	190862	5.1	190810
United States/AR/Russellville	155912	4.1	155908
United States/CO/Fort Collins	152849	4	152839
United States/GA/Tucker	69904	1.9	69897
United States/MO/Springfield	50390	1.3	50356
Canada/ON/Ottawa	46816	1.2	46812

Top Ten Hits by Client IP

Client IP	Hits	Hits (%)	Page views
168.166.124.100	606971	16.1	606859
168.166.80.243	324400	8.6	324350
173.218.180.174	155912	4.1	155908
168.166.48.1	155208	4.1	155165
168.166.193.254	124611	3.3	124611
12.129.64.197	69884	1.9	69877
168.166.80.241	44646	1.2	44636
168.166.48.55	39481	1	39481
64.82.236.62	36596	1	36594
168.166.80.248	35552	0.9	35552

Top Ten Hits by Referrer

Client IP	Hits	Hits (%)	Page views
(no referrer)	1894323	50.2	1894019
https://semorpc.maps.arcgis.com/	475182	12.6	475182
http://jeffcomo.maps.arcgis.com/	337744	8.9	337744
http://traveler.modot.mo.gov/	220502	5.8	220502
http://tmsmaps/	211646	5.6	211646
http://www.esri.com/	68250	1.8	68226
https://msdis.maps.arcgis.com/	59420	1.6	59420
https://dallasgis.integritygis.com/	54949	1.5	54949
http://semorpc.maps.arcgis.com/	54509	1.4	54509
http://rallsgis.integritygis.com/	47049	1.2	47049

Map Server

Hits by Month

Month	Hits	Page views
Apr-18	143498	129330
May-18	148321	137798
June-18	193976	186678
July-18	217913	207472

Top Five Hits by Directory

Pages/directories	Hits	Hits (%)	Page views
/arcgis/rest/services/Administrative_Boundaries/	49400	32.3	49399
/arcgis/rest/services/Transportation/	29425	19.2	29425
/arcgis/rest/services/Geological_Geophysical/	20301	13.3	20301
/arcgis/rest/services/TIGER_Data/	15149	9.9	15149
/arcgis/rest/services/Water_Resources/	14608	9.5	14608

Top Five Hits within Administrative_Boundaries

Pages/directories	Hits	Hits (%)	Page views
MO_2018_County_Boundaries/	38666	78.3	38666
MO_2017_Missouri_Department_of_Conservation_Lands/	2666	5.4	2666
MO_2016_Dept_of_Natural_Resources_Land_Boundaries/	2393	4.8	2393
MO_2018_Public_Land_Survey_System/	2018	4.1	2017
MO_2010_Census_Places_State_Based/	922	1.9	922

Top Ten Hits by Region

Region	Hits	Hits (%)	Page views
United States/MO/	100059	45.9	91585
United States/NJ/	15953	7.3	15902
United States/TX/	14058	6.5	14054
United States/DE/	12961	5.9	12958
(unknown country)/(unknown city)	9681	4.4	9579
United States/(unknown city)	9349	4.3	9108
United States/MI/	8312	3.8	8311
United States/MA/	6500	3	6496
United States/IA/	6034	2.8	5996
United States/CA/	5449	2.5	5017

Top Ten Hits by City

City	Hits	Hits (%)	Page views
United States/MO/Columbia	51083	23.4	44243
United States/MO/Jefferson City	16014	7.3	15905
United States/NJ/Woodbridge	15138	6.9	15138
United States/TX/Houston	13712	6.3	13712
United States/DE/Wilmington	12957	5.9	12957
(unknown country)/(unknown city)	9681	4.4	9579
United States/MO/Saint Louis	9638	4.4	9582
United States/(unknown city)	9349	4.3	9108
United States/MI/Ann Arbor	7534	3.5	7533
United States/MA/Cambridge	6265	2.9	6263

Top Ten Hits by Client IP

Client IP	Hits	Hits (%)	Page views
128.206.12.147	47059	21.6	40243
52.204.32.78	6106	2.8	6106
50.83.139.138	4499	2.1	4497
54.152.234.95	3429	1.6	3429
35.173.182.66	3147	1.4	3147
150.167.127.12	3075	1.4	3073
150.167.127.9	2951	1.4	2951
54.174.236.161	2780	1.3	2780
34.201.28.61	2514	1.2	2514
108.245.183.114	2471	1.1	2452

Top Ten Hits by Referrer

Client IP	Hits	Hits (%)	Page views
(no referrer)	129001	57.7	120897
https://msdis.maps.arcgis.com/	45998	20.6	45998
https://data-msdis.opendata.arcgis.com/	17363	7.8	17363
http://mogeo.maps.arcgis.com/	6826	3.1	6826
http://www.arcgis.com/	4660	2.1	4660
https://msdisweb-col.col.missouri.edu/	4487	2	3789
http://msdisweb.missouri.edu/	2681	1.2	1170
https://www.arcgis.com/	2064	0.9	2064
https://mogeo.maps.arcgis.com/	1768	0.8	1768
http://localhost/	1679	0.8	1679

MSDIS Data Archive

Hits by Month

Month	Hits	Page views
Apr-18	133436	129978
May-18	59093	57510
June-18	99763	98741
July-18	30490	29577

Top Five Hits by Directory

Pages/directories	Hits	Hits (%)	Page views
/archive/Missouri_Elevation_Data/	8688	31.4	8688
/archive/Missouri_Vector_Data/	6149	22.2	6145
/archive/metadata_gos/	5746	20.8	5746
/archive/Missouri_Imagery/	1939	7	1939
/archive/MSDIS_Misc_Data/	1686	6.1	1671

Top Five Hits within Elevation Data Directory

Pages/directories	Hits	Hits (%)	Page views
Hypsography/	4865	56	4865
10mDEM/	3356	38.6	3356
24kDEM/	325	3.7	325
(default page)	128	1.5	128
MO_1990_60M_Digital_Elevation_Model_adf.zip	6	0.1	6

Top Ten Hits by Region

Region	Hits	Hits (%)	Page views
United States/CA/	8807	28.9	8719
(unknown country)/(unknown city)	7103	23.3	7029
United States/MO/	6072	19.9	5805
United States/NJ/	2046	6.7	2009
United States/(unknown city)	786	2.6	718
Europe/(unknown city)	579	1.9	579
Korea, Republic of/Taejon-jikhalsi/	559	1.8	559
United Kingdom/(unknown city)	480	1.6	480
United States/IN/	419	1.4	417
Australia/(unknown city)	400	1.3	400

Top Ten Hits by City

City	Hits	Hits (%)	Page views
(unknown country)/(unknown city)	7103	23.3	7029
United States/CA/Palo Alto	6013	19.7	6011
United States/MO/Columbia	4578	15	4560
United States/CA/Mountain View	2460	8.1	2412
United States/NJ/Woodbridge	1954	6.4	1942
United States/(unknown city)	786	2.6	718
Europe/(unknown city)	579	1.9	579
Korea, Republic of/Taejon-jikhalsi/Daejeon	559	1.8	559
United Kingdom/(unknown city)	480	1.6	480
United States/MO/Kansas City	448	1.5	416

Top Ten Hits by Client IP

Client IP	Hits	Hits (%)	Page views
128.206.111.125	4289	14.1	4289
66.249.79.147	1183	3.9	1174
5.255.250.9	1033	3.4	1032
5.255.250.24	742	2.4	742
100.43.85.179	683	2.2	682
100.43.81.106	678	2.2	678
5.255.250.17	675	2.2	675
100.43.90.166	669	2.2	669
100.43.91.110	660	2.2	660
100.43.90.160	622	2	622

Top Ten Hits by Referrer

Client IP	Hits	Hits (%)	Page views
(no referrer)	27186	89.2	26759
http://msdis-archive.missouri.edu/	2620	8.6	2134
http://www.msdis.missouri.edu/	493	1.6	493
http://msdis.missouri.edu/	108	0.4	108
https://www.google.it/	44	0.1	44
https://www.google.com/	21	0.1	21
http://www.google.com.au/	6	0	6
http://www.google.com/	6	0	6
http://data-msdis.opendata.arcgis.com/	2	0	2
http://www.netcraft.com/	1	0	1