

MSDIS Update – May 2018

New Data

2018 Ambulatory Surgical Centers May Update

2018 Long Term Care Facilities

2018 Hospitals May Update

2018 Federally Qualified Health Center Locations May Update

2018 State Boundary

2018 County Boundaries

2018 Public Land Survey System

2018 WIC Satellite Offices May Update

2018 Wells

Washington County 4 inch/9inch composite Winter 2018 Imagery

Open Data Portal

Injected a Google Analytics code into the page setup interface to assist with traffic analysis.

Currently holding on adding any additional legacy data to the Open Data catalog to analyze server loads, data requests, and site visits. Updated data (DHSS monthly updates, new county boundaries, etc.) are added as they are shared with MSDIS because they do not require the generation of a new map service.

MSDIS Web Site

Added significant functionality to vector data, imagery, and elevation data pages to improve user experience. Vector data page now lists and explains some of the major data categories. Imagery and Elevation pages now use ArcGIS Online interactive maps to generate index-based download utilities.

LiDAR download tools have been replaced with new ArcGIS Online versions to make them visually compatible with new Imagery and Elevation download utilities.

Generated an interactive map interface that collects the individual indexed downloads from Imagery, Elevation, and LiDAR that is tentatively being referred to as The Missouri Map. The goal is to establish a true one-stop-shop for Missouri raster data.

MSDIS Downtime

The only known downtime during May 2018 occurred on 30 May. The outage lasted approx. 10 minutes (possibly less) and was due to problems caused by the University of Missouri IT Division installing updated firewall software which caused a complete network outage across all Mizzou campuses.

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

A Note on MSDIS Server Stats

Starting with the May 2018 Usage Stats, the following traffic is being excluded from the monthly reports to give a clearer view of actual use:

- All traffic from MSDIS desktop workstation IP Addresses
- All traffic identified as originating from the Russian Federation*

Please note that the excluded traffic still appears in the raw server logs made available through the MSDIS Data Archive.

*Excluded from the Data Archive stats ONLY, due to the fact that Russian traffic has not been a significant component to either the Imagery server or the Map server)

MSDIS May 2018 Usage Stats

Image Server

Hits by Month

Month	Hits	Page views
Jan-18	3831350	3827317
Feb-18	3745122	3734059
Mar-18	89795	87408
Apr-18	3621003	3616352
May-18	3885250	3883809

Top Five Hits by Directory

Pages/directories	Hits	Hits (%)	Page views
/arcgis/services/MSDIS/	1669534	73.5	1669534
/arcgis/services/LGov/	446349	19.7	446349
/arcgis/services/Map/	111516	4.9	111516
/arcgis/services/LiDAR/	35181	1.5	35181
/arcgis/services/2015_MO_18inch_Imagery/	5711	0.3	5711

Top Five Hits within MSDIS Directory

Pages/directories	Hits	Hits (%)	Page views
/arcgis/services/MSDIS/DOQQ2015/	557235	33.4	557235
/arcgis/services/MSDIS/NAIP2016/	509746	30.5	509746
/arcgis/services/MSDIS/NAIP2014/	147555	8.8	147555
/arcgis/services/MSDIS/DOQQ2008/	92021	5.5	92021
/arcgis/services/MSDIS/QUAD24K/	66543	4	66543

Top Ten Hits by Region

Region	Hits	Hits (%)	Page views
United States/MO/	2555855	65.8	2554885
United States/(unknown city)	280810	7.2	280761
United States/IL/	212086	5.5	212058
United States/CO/	194678	5	194671
(unknown country)/(unknown city)	153500	4	153398
United States/IA/	84632	2.2	84612
United States/AR/	43741	1.1	43728
United States/GA/	39388	1	39379
Canada/ON/	36390	0.9	36361
United States/CA/	30033	0.8	29994

Top Ten Hits by City

City	Hits	Hits (%)	Page views
United States/MO/Jefferson City	1144349	29.5	1144202
United States/MO/Maryland Heights	514300	13.2	514300
United States/(unknown city)	280810	7.2	280761
United States/MO/Lohman	251642	6.5	251617
United States/CO/Fort Collins	179115	4.6	179112
United States/MO/Saint Louis	153729	4	153544
(unknown country)/(unknown city)	153500	4	153398
United States/IL/Normal	144138	3.7	144136
United States/IA/Ames	73897	1.9	73885
United States/MO/O Fallon	61342	1.6	61342

Top Ten Hits by Client IP

Client IP	Hits	Hits (%)	Page views
168.166.124.100	572912	14.7	572805
68.191.196.74	512995	13.2	512995
168.166.80.243	326736	8.4	326705
65.119.141.114	143919	3.7	143917
168.166.48.1	130099	3.3	130086
168.166.193.254	126544	3.3	126544
168.166.51.25	78407	2	78407
168.166.80.248	74669	1.9	74669
129.186.252.51	73895	1.9	73883
209.194.238.100	51327	1.3	51327

Top Ten Hits by Referrer

Client IP	Hits	Hits (%)	Page views
(no referrer)	2324229	59.8	2323290
https://semorpc.maps.arcgis.com/	447216	11.5	447216
http://traveler.modot.mo.gov/	228846	5.9	228846
http://tmsmaps/	165227	4.3	165227
http://www.esri.com/	146137	3.8	146137
http://jeffcomo.maps.arcgis.com/	126726	3.3	126726
http://www.dnr.mo.gov/	58720	1.5	58720
https://dallasgis.integritygis.com/	44279	1.1	44279
http://semorpc.maps.arcgis.com/	42704	1.1	42704
http://rallsgis.integritygis.com/	35486	0.9	35486

Map Server

Hits by Month

Month	Hits	Page views
Apr-18	143498	129330
May-18	148321	137798

Top Five Hits by Directory

Pages/directories	Hits	Hits (%)	Page views
/arcgis/rest/services/Administrative_Boundaries/	16551	20.8	16551
/arcgis/rest/services/TIGER_Data/	10853	13.7	10853
/arcgis/rest/services/Geological_Geophysical/	10208	12.9	10208
/arcgis/rest/services/Transportation/	9836	12.4	9836
/arcgis/rest/services/Water_Resources/	6293	7.9	6293

Top Five Hits within Administrative_Boundaries

Pages/directories	Hits	Hits (%)	Page views
MO_2018_County_Boundaries/	5810	35.1	5810
MO_2014_County_Boundaries/	2917	17.6	2917
MO_2017_Missouri_Department_of_Conservation_Lands/	2509	15.2	2509
MO_2018_Public_Land_Survey_System/	2210	13.4	2210
MO_2016_Dept_of_Natural_Resources_Land_Boundaries/	676	4.1	676

Top Ten Hits by Region

Region	Hits	Hits (%)	Page views
United States/MO/	75976	51.2	67404
United States/NJ/	8292	5.6	8288
United States/TX/	8275	5.6	8254
United States/PA/	6553	4.4	6553
United States/CO/	5502	3.7	5433
United States/(unknown city)	5334	3.6	5237
United States/CA/	4781	3.2	4226
(unknown country)/(unknown city)	4404	3	4216
United States/DE/	3083	2.1	3083
United States/AZ/	3002	2	2981

Top Ten Hits by City

City	Hits	Hits (%)	Page views
United States/MO/Columbia	47478	32	40671
United States/MO/Saint Louis	11194	7.5	11060
United States/NJ/Woodbridge	7812	5.3	7812
United States/TX/Houston	7526	5.1	7526
United States/PA/Amity	6133	4.1	6133
United States/(unknown city)	5334	3.6	5237
(unknown country)/(unknown city)	4404	3	4216
United States/CO/Boulder	4199	2.8	4189
United States/MO/Jefferson City	3871	2.6	3571
United States/MO/Springfield	3076	2.1	2114

Top Ten Hits by Client IP

Client IP	Hits	Hits (%)	Page views
128.206.12.147	31039	20.9	26257
128.206.12.53	11081	7.5	9080
209.105.155.37	6133	4.1	6133
67.176.81.171	4187	2.8	4187
128.206.36.62	3465	2.3	3465
66.151.131.6	2134	1.4	2134
128.252.89.136	2090	1.4	2090
52.204.32.78	2059	1.4	2059
128.252.89.19	1910	1.3	1910
65.26.48.223	1648	1.1	1560

Top Ten Hits by Referrer

Client IP	Hits	Hits (%)	Page views
(no referrer)	101806	68.6	93865
https://msdis.maps.arcgis.com/	13255	8.9	13255
https://data-msdis.opendata.arcgis.com/	13199	8.9	13199
http://fema.maps.arcgis.com/	4245	2.9	4245
http://msdisweb.missouri.edu/	3480	2.3	1781
http://mosema.maps.arcgis.com/	2904	2	2904
http://www.arcgis.com/	2224	1.5	2224
https://www.arcgis.com/	1862	1.3	1862
http://geoportal.missouri.edu/	1165	0.8	313
https://mophep.maps.arcgis.com/	595	0.4	595

MSDIS Data Archive

Hits by Month

Month	Hits	Page views
Apr-18	133436	129978
May-18	59093	57510

Top Five Hits by Directory

Pages/directories	Hits	Hits (%)	Page views
/archive/Missouri_Vector_Data/	26419	48.7	26418
/archive/Missouri_Elevation_Data/	11839	21.8	11839
/archive/metadata_gos/	4684	8.6	4684
/archive/robots.txt	3262	6	3262
/archive/Missouri_Imagery/	3234	6	3234

Top Five Hits within Vector Data Directory

Pages/directories	Hits	Hits (%)	Page views
/archive/Missouri_Vector_Data/census1990/	6910	26.2	6910
/archive/Missouri_Vector_Data/county/	6549	24.8	6549
/archive/Missouri_Vector_Data/Environment_Conservation/	5014	19	5014
/archive/Missouri_Vector_Data/census2010/	1690	6.4	1690
/archive/Missouri_Vector_Data/census2000/	1658	6.3	1658

Top Ten Hits by Region

Region	Hits	Hits (%)	Page views
United States/MO/	17019	28.8	16349
United States/DE/	16444	27.8	16442
United States/CA/	9446	16	9285
(unknown country)/(unknown city)	7534	12.7	7423
United States/MI/	1476	2.5	1456
United States/GA/	1309	2.2	1265
United States/(unknown city)	810	1.4	705
United States/OH/	506	0.9	506
United States/WA/	474	0.8	464
United States/NJ/	370	0.6	341

Top Ten Hits by City

City	Hits	Hits (%)	Page views
United States/DE/Wilmington	16444	27.8	16442
United States/MO/Columbia	13078	22.1	12949
(unknown country)/(unknown city)	7534	12.7	7423
United States/CA/Mountain View	7135	12.1	7030
United States/CA/Palo Alto	1905	3.2	1902
United States/MO/Blue Springs	1632	2.8	1614
United States/MI/Ann Arbor	1383	2.3	1375
United States/GA/Tucker	1228	2.1	1200
United States/(unknown city)	810	1.4	705
United States/MO/Saint Louis	600	1	494

Top Ten Hits by Client IP

Client IP	Hits	Hits (%)	Page views
128.206.111.125	12366	20.9	12366
52.86.224.160	8851	15	8851
52.91.128.120	7537	12.8	7537
107.188.193.186	1878	3.2	1876
66.249.73.85	1703	2.9	1701
64.151.48.114	1632	2.8	1614
66.249.73.87	1628	2.8	1626
66.249.73.89	1384	2.3	1382
12.129.64.197	1228	2.1	1200
5.255.250.9	1073	1.8	1073

Top Ten Hits by Referrer

Client IP	Hits	Hits (%)	Page views
(no referrer)	53914	91.2	53212
http://msdis-archive.missouri.edu/	3961	6.7	3086
http://www.msdis.missouri.edu/	882	1.5	882
http://msdis.missouri.edu/	273	0.5	273
https://www.google.com/	29	0	29
https://t.co/	9	0	9
https://slack.com	6	0	0
http://www.google.com/	4	0	4
http://data-msdis.opendata.arcgis.com/	3	0	3
http://msdis-archive.missouri.edu	3	0	3