

Missouri Spatial Data Information Service

2nd Bi-Annual Period Report
August 2012 – January, 2013

Build or implement a survey to identify gaps in the statewide data inventory.

Strategy: Watch the development of the NSGIC initiative to build a national data survey / needs assessment. Once developed, implement within the Missouri Clearinghouse.

MEASURE: Completion of NSGIC survey tool and implementation on the MSDIS. MSDIS with MGISAC participation. Participation of personnel from MSDIS. Possible NSGIC national model development.

Current Status: Active

1st Period comments –

Educational efforts in the form of a “MSDIS Geoportal 101” class have been carried out at a number of regional workshops, user group meetings and conferences/symposia. Additional efforts will be made at similar venues in the upcoming year.

2nd Period comments –

Geoportal education continues at regional workshops, user-group meetings and annual conferences. We are cautiously optimistic that we’re seeing a distinct paradigm shift in the sharing of LGov geospatial data sets (Springfield, Mark Twain, East-West Gateway Imagery, LiDAR etc...) both with the public through MSDIS and with each other. We believe it will be important to continue to document these data – hopefully insuring continued discoverability. Education efforts will underline the benefits (and discuss the drawbacks too) leading to potential increases in shared data.

Continue to develop an Internet mapping interface for MSDIS holdings.

Strategy: Increase utility of MSDIS Web site by continuing to developing the internet mapping user interface for interaction with the data elements compiled in MSDIS. This includes the development of new maps, evolution of mapping interface, maintenance, update, and upgrades to the Mapper.

MEASURE: Continued evolution of the design and map services available on MSDIS-maps and MCDC-maps web site. MSDIS with MGISAC participation in review
Participation of personnel from MSDIS.

Current Status: Ongoing

1st Period comments –

The MOA with OGI remains in discussion – the document is with OGI now. The VPN client problem is still not solved but will be attempted again when Martin returns from his month long trip to England. Work and testing of an ArcGIS Server tiled service useful for 10.1 users has made significant progress. It is hoped that any kinks will be worked out and that we’ll possibly be able to offer increasing access to 10.1 users starting in September. Our processes for hosting new data have changed at MSDIS. Additions to our previous data set hosting now include most data sets being added to the MSDIS geodatabase and being offered in the cut, clip and ship download tool. Some data sets (think MoDOT Roads) go on to be offered as map services.

2nd Period comments –

Tiled mapping services for ArcGIS 10.1 are up and fully functional. MOLiDAR mapping service is also up and functional accessing the LiDAR data at Wash U. with a functional graphic user interface map and application.

Develop and deploy a search interface for MSDIS holdings.

Strategy: Increase utility of MSDIS Web site for data discovery and query by thematically grouping data holdings.

MEASURE: Redesign of MSDIS Web site and development of milestones. This schedule will be developed jointly by MSDIS and MGISAC. MSDIS with MGISAC participation in review
Participation of personnel from MSDIS.

Current Status:

1st Period comments –

The Geoportal now contains 331 files. It should be remembered that files are not only going up – but being removed – or more often, replaced. Comments received at user group meetings and regional workshops have been universally positive and we've received no negative comments via email for over 6 months. But it is still clear that we have many improvements to make both on the portal itself and on ancillary user interfaces for data (immediately LiDAR offerings).

2nd Period comments –

During this period we have hired a part-time student position who works almost exclusively on the Geoportal. While the numbers of files in the portal have raised only slightly (340) this is because she has concentrated on normalizing the titles, better documenting existing records for administration and lastly – and this is really the most important as far as answering user comments and requests – she has markedly improved file search capabilities. Singular or plural searches (road vs. roads) should turn up exact/similar results. Also updated code for geoportal searches will now search by words in the file title vs. only keywords. Try it out and I think users will find much more things much improved. Remember this – newer files are all going into the Portal by the new ISO 19115 categories not into the old FTP pub\state catchall folder. Look for roads in pub\Transportation_Networks, lakes in pub\Inland_Water_Resources and County boundaries underpub\Administrative_Political_Boundaries etc...

Duplicate existing coverage files as geodatabases for all MSDIS holdings.

Strategy: *Migrate the entire MSDIS Clearinghouse to the geodatabase format and host both for a period of time. MSDIS will proactively evolve with changes in the software arena and make the site more usable to new start-ups*

MEASURE: Reformatting of MSDIS coverage holdings as zipped geodatabases.
Requires participation of personnel from MSDIS.

Current Status: **Ongoing.**

1st Period comments –

File conversion continues as older files go into the Portal.

2nd Period comments –

See 1st period comments above.

To promote interoperability and standardization among core data layers being developed by the state and local government agencies and organizations.

Objectives

Development and endorsement of geospatial standards for database development and attribution.

Strategy: *Review existing state, federal and international geospatial standards. Create or add new components, modify components, or adopt reviewed standards. Release drafts through MSDIS, MGISAC, and subcommittees for peer review and comment. Revise as appropriate and publish final standards within MAEA.*

Disseminate geospatial related standards for active review process.

Current Status: **Ongoing**

1st Period comments –
Latest CAD standards posted to the list servers.

*2nd Period comments –
There have been no new standards to disseminate...*

Homeland Security

Develop and maintain the data and infrastructure necessary to support Homeland Security Emergency Response.

Strategy: *Coordinate with OIT, Office of Homeland Security, and MSDIS on the development of the communication infrastructure necessary to support Homeland Security efforts. Develop an action plan for the development of the databases and geospatial layers necessary to support homeland security planning, mitigation, risk assessment, and other operations.*

MEASURE: *Completion of data development plans for identified data layers based on priorities set jointly by MGISAC, Office of Homeland Security, and OIT. Completion of secure access and password/firewall protected portal to homeland security data and related geospatial layers. Homeland Security: Participation of personnel from MSDIS on data development and QA/QC.*

Current Status: *Ongoing*

1st Period comments –
Boone County “Structures” were re-accomplished using the County’s and City’s address points as a base. Newer photography was also used. A number of new fields were created and populated to indicate the differences from the previous iteration. This data set has been provided to Mid-MO RPC (Katrina Thomas) and will be made available to other partnering entities and SEMA\USGS. The Bootheel RPC update with additional general building classifications has been provided to the RPC and SEMO’s data set update will be next.

*2nd Period comments –
The “Structures” data being created by the Broadband project has a secondary HS use. MoKAN, Northwest, Ozark Foothills, Kaysinger Basin RPC’s have been digitized and completed 1st pass reviews in the past three months. State LiDAR projects data sharing continues through the MSDISWash U. web interface\FTP – making LiDAR available to all.*

Other MSDIS quarterly activities that contribute to MGISAC Strategic Plan outcomes...

Outreach / Education / Training

Support the MGISAC to expand the visibility and understanding of the committee’s work within Missouri.

1st Period comments –
Adv. LiDAR workshop for Branson was very successful. 63 attendees. Another has been coordinated for St. Louis at Washington University. 69 registered to attend. Mark Duewell presented at the MAGIC and SEMO Symposia, the St. Charles GIS User Group and St. Louis GIS Users group meetings on the use of the GeoPortal. Mark, Wenbo Song and Martin Wills attended a 3 day custom ArcGIS Server class through ESRI and Missouri OGI auspices.

*2nd Period comments –
Adv. LiDAR workshop at Wash. U. also very successful. 64 attendees. As was the Regional Geospatial Workshop at Trenton hosted by Greenhills RPC. Fewer attendees though (37).*

Potential targets for future workshops are the Kansas City Metro region (late spring) and – possibly – a long overdue return to the Northeast (Fall - Hannibal?). O&E subcommittee conference calls will be scheduled to discuss and finalize events.

Encourage use of GIS technology and geographic data resources across all levels of state government by providing practical support to new and established users.

List server Users

1st Period comments –
GIS Vendors @ 25
KCAIUG-Announce @ 318
KCAIUG-L @ 64
KCCCGG-L @ 13
LGOV-L @ 30
MGISAC @ 136
MGISDATADEV @11
MISSOURIMAPPERSASSOC-L @ 32
MMGUG-L @ 174
Missouri-Advisory-Council @31
MSDIS-NEWS @ 224
PONYEXPRESSGUG@ 18
STCHGISUG-L @ 17
STLGIS-L @ 253
STLRIC-L @ 27

2nd Period comments –
GIS Vendors @ 25
KCAIUG-Announce @ 307
KCAIUG-L @ 64
KCCCGG-L @ 13
LGOV-L @ 31
MGISAC @ 131
MGISDATADEV @11
MISSOURIMAPPERSASSOC-L @ 33
MMGUG-L @ 174
MOGIS ADVISORY COUNCIL-L @ 31
MSDIS-NEWS @ 216
PONYEXPRESSGUG@ 18
STCHGISUG-L @ 16
STLGIS-L @ 261
STLRIC-L @ 27

Conference / meeting Participation:

1st Period comments –
MSDIS staff members attended numerous meetings on the following topics:
Missouri Association of Mappers Conference
Homeland Security Committee
Data Development Committee
Outreach & Education Committee (budget drafting discussions)
Regional Workshops in Cape and Branson (presenting and coordinating)
Mid-America Geographic Information Consortium (MAGIC)
MSDIS Load Balancing and backup meetings,
MGISAC Strategic Planning Committee
2012 Missouri Digital Government Summit
Powerscape meetings
MO Broadband meetings
GEOMAP meetings
LiDAR Stakeholder Meetings

Missouri GIS Conference (planning meetings)
MAGIC Clearinghouse Summit Planning meetings (coordinating team)
InfoUSA
FGDC Metadata Workgroup Conference calls
DOIT planning meetings
Mid-MO, Northwest and MO-Kan RPC Structures Project meetings
NSGIC Mid-year Conference
CGI Conflation meeting
NTIA National Conference
Lake Area GIS User Group meeting
Adv. LiDAR Workshop (Branson)
NGA Human Geography
UM CIO Meeting
Midwest Regional Workgroup meetings (HFLD)
Master Address file meetings
Online Presentation Production (DESE)
MORENet Meeting
Numerous RPC Town hall meetings (Tim)
Aerial Imagery RFP meetings
URISA Leaders Talk
Bi-Weekly Technical Exchange (NGA)
Rural Telehealth and Broadband meeting
NGA Cuba Mapping
MMA 2012 Conference

2nd Period comments –

MSDIS staff members attended numerous meetings during this period on the following topics:

MGISAC Data Development Committee

Outreach & Education Committee (Conference calls)

North Central Regional Geospatial Workshop in Trenton (presenting and coordinating)

Mid-America Geographic Information Consortium (MAGIC) meetings

MSDIS Rebuild & Implementation

MGISAC Strategic Planning Committee

Powerscape meetings

MO Broadband meetings

GEOMAP meetings

MAGIC Clearinghouse Summit (coordination and presenting)

MACOGRPC Broadband “Structures” project and report meetings

InfoUSA

Implementation meetings with MU DOIT

ITSD Imagery Server Security and Access meetings

FGDC Metadata Workgroup Conference calls (numerous)

Missouri River Corridor Structures Project planning meetings

HuGeo meetings

URISA Leaders Talk

Bi-Weekly Technical Exchange (NGA)

GeoINT conference

O&E LiDAR Workshop Planning Workgroup – Wash U. Event – August 21st.

MO GIS Conference Committee meetings

Mid-West Regional HFLDVHSIN meetings

Missouri Mappers Executive Committee meetings

Kansas Association of Mappers Conference – Wichita.

4th Digital Earth Summit – New Zealand

IDGA Human Geography Summit

Continue maintenance and publishing of an inventory of data holdings available at the MSDIS.

New Data – the following new or revised data sets listed on MSDIS involving edits or additions to the Data Set List, Theme List and New Data pages:

1st Period comments –

Sunday, July 29th, 2012

Missouri Department of Natural Resources has released one updated dataset as follows:

MO 2012 Public Water Districts: This data set depicts the boundaries of the public water supply districts in Missouri.

These new data can be found here:

ftp://msdis.missouri.edu/pub/Administrative_Political_Boundaries/MO_2012_Public_Water_Districts_shp.zip

Monday July 23rd, 2012

The June MODOT data are available to all MSDIS users. Updates are provided to MSDIS by MODOT on a quarterly basis.

[Click to download the "Raw" unparsed data in file geodatabase format.](#)

Also available as a web map service here:

msdisweb-nn.col.missouri.edu/ArcGIS/rest/services/MoDOT_Roads_Quarterly_June_2012_WMS/MapServer

Wednesday July 11th, 2012

Missouri Department of Natural Resources has released one new data set. This data set contains permitted oil and gas wells within the State of Missouri that are not protected under confidentiality rules.

These data can be found here:

ftp://msdis.missouri.edu/pub/Geological_Geophysical/MO_2012_State_Permitted_Oil_and_Gas_Wells_shp.zip

Friday July 7th, 2012

Missouri Office of Administration, Redistricting Office has released one updated dataset depicting, congressional district boundaries in Missouri.

These updated data can be found here:

ftp://msdis.missouri.edu/pub/Administrative_Political_Boundaries/MO_2011_US_Congressional_Districts_shp.zip

Tuesday June 5, 2012

The [Geographic Resources Center](#) has released updated 2010 TIGER Census Blocks. This file was formerly named st_block10.zip. These data can be found here:

ftp://msdis.missouri.edu/pub/Administrative_Political_Boundaries/MO_2010_TIGER_Census_Blocks_shp.zip

Tuesday June 5, 2012

The [Geographic Resources Center](#) have completed Building / Structures footprint and point datasets for 6 additional counties as follows:

[MO 2012 Dunklin Structure Footprints shp.zip - Metadata](#)
[MO 2012 Dunklin Structure Points shp.zip - Metadata](#)
[MO 2012 Mississippi Structure Footprints shp.zip - Metadata](#)
[MO 2012 Mississippi Structure Points shp.zip - Metadata](#)
[MO 2012 New Madrid Structure Footprints shp.zip - Metadata](#)
[MO 2012 New Madrid Structure Points shp.zip - Metadata](#)
[MO 2012 Pemiscot Structure Footprints shp.zip - Metadata](#)
[MO 2012 Pemiscot Structure Points shp.zip - Metadata](#)
[MO 2012 Scott Structure Footprints shp.zip - Metadata](#)

[MO 2012 Scott Structure Points shp.zip - Metadata](#)
[MO 2012 Stoddard Structure Footprints shp.zip - Metadata](#)
[MO 2012 Stoddard Structure Points shp.zip - Metadata](#)

Thursday May 23, 2012

The City of Springfield, Missouri has shared 45 geospatial datasets. These data can be found in the [/Local Gov/Springfield/](#) folder of MSDIS FTP and are listed here:

[MO 2005 Springfield Benchmarks shp.zip - Metadata](#)
[MO 2005 Springfield In Park Trails shp.zip - Metadata](#)
[MO 2010 Greene County Special Flood Hazard Area Lines shp.zip - Metadata](#)
[MO 2010 Greene County Special Flood Hazard Area Polys shp.zip - Metadata](#)
[MO 2010 Springfield FEMA Base Flood Elevations shp.zip - Metadata](#)
[MO 2010 Springfield Zoning Overlays shp.zip - Metadata](#)
[MO 2011 Springfield Basemap shp.zip - Metadata](#)
[MO 2011 Springfield Conditional Overlay Districts shp.zip - Metadata](#)
[MO 2011 Springfield Council Zones shp.zip - Metadata](#)
[MO 2011 Springfield Municipal Boundaries shp.zip - Metadata](#)
[MO 2011 Springfield Neighborhood Organizations shp.zip - Metadata](#)
[MO 2011 Springfield Plan Zoning shp.zip - Metadata](#)
[MO 2011 Springfield Sewer Dead Lines shp.zip - Metadata](#)
[MO 2011 Springfield Sewer Dead Points shp.zip - Metadata](#)
[MO 2011 Springfield Sewer Districts shp.zip - Metadata](#)
[MO 2011 Springfield Sewer Drainage Basins shp.zip - Metadata](#)
[MO 2011 Springfield Sewer Laterals shp.zip - Metadata](#)
[MO 2011 Springfield Sewer Lines shp.zip - Metadata](#)
[MO 2011 Springfield Sewer Points shp.zip - Metadata](#)
[MO 2011 Springfield Streets shp.zip - Metadata](#)
[MO 2011 Springfield Subdivisions shp.zip - Metadata](#)
[MO 2012 Greene County 5ft Contours shp.zip - Metadata](#)
[MO 2012 Greene County 1ft contours shp.zip - Metadata](#)
[MO 2012 Greene County 1ft contours shp.zip - Metadata](#)
[MO 2012 Greene County 1ft contours shp.zip - Metadata](#)
[MO 2012 Greene County Section Grids shp.zip - Metadata](#)
[MO 2012 Greene County Situs Addresses shp.zip - Metadata](#)
[MO 2012 Greene County 1ft contours shp.zip - Metadata](#)
[MO 2012 Springfield 100 Year Flood Sinkholes shp.zip - Metadata](#)
[MO 2012 Springfield E911 Fire Districts shp.zip - Metadata](#)
[MO 2012 Springfield E911 Law Zones shp.zip - Metadata](#)
[MO 2012 Springfield EMS Agency Boundaries shp.zip - Metadata](#)
[MO 2012 Springfield Fire and Police Stations shp.zip - Metadata](#)
[MO 2012 Springfield Parks Completed Trails shp.zip - Metadata](#)
[MO 2012 Springfield Parks shp.zip - Metadata](#)
[MO 2012 Springfield R12 School Locations shp.zip - Metadata](#)
[MO 2012 Springfield Sewer Flow Meters shp.zip - Metadata](#)
[MO 2012 Springfield Sinkhole Boundaries shp.zip - Metadata](#)
[MO 2012 Springfield Storm Water Arcs shp.zip - Metadata](#)
[MO 2012 Springfield Storm Water Detention Basins shp.zip - Metadata](#)
[MO 2012 Springfield Storm Water Points shp.zip - Metadata](#)

Thursday May 17th, 2012

Missouri Office of Administration, Redistricting Office has released two updated datasets depicting, house and senate district boundaries in Missouri.

These updated data can be found here:

ftp://msdis.missouri.edu/pub/Administrative_Political_Boundaries/MO_2011_House_Districts_shp.zip
ftp://msdis.missouri.edu/pub/Administrative_Political_Boundaries/MO_2012_Senate_Districts_shp.zip

Friday May 11th, 2012

The Geographic Resources Center has compiled 2010 Census Urban Areas. These urban areas for Missouri were extracted/clipped from a larger US file, reprojected, and statistically related to the 2010 Missouri block files to calculate the demographics for 1990, 2000, and 2010. The Census Bureau version of these data is not due until October 2012.

These updated data can be found here:

ftp://msdis.missouri.edu/pub/Cultural_Society_Demography/MO_2010_Census_Urban_Areas_shp.zip

Wednesday May 2nd, 2012

Missouri Department of Elementary and Secondary Education has released one updated dataset depicting public schools in Missouri.

These updated data can be found here:

ftp://msdis.missouri.edu/pub/Facilities_Structures/MO_2011_Public_Schools_shp.zip

Wednesday May 2nd, 2012

Missouri Department of Health and Senior Services has released three updated metadata records of datasets depicting various health care facilities in Missouri.

Day Care Facilities
Adult Day Care Facilities
Long Term Care Facilities

These updated metadata can be found here:

<http://www.msdis.missouri.edu/data/health/index.html>

Friday March 30th, 2012

The March MODOT data are available to all MSDIS users. Updates are provided to MSDIS by MODOT on a 2-3 month basis.

[Click to download the "Raw" unparsed data in file geodatabase format.](#)

Also available as a web map service here:

msdisweb-nn.col.missouri.edu/ArcGIS/rest/services/MoDOT_Roads_Quarterly_March_2012_WMS/MapServer

Friday March 23rd, 2012

The January 2012 MODOT dataset is available to all MSDIS users. Updates are provided to MSDIS by MODOT on a 2-3 month basis.

[Click to download the "Raw" unparsed data in file geodatabase format.](#)

Also available as a web map service here:

msdisweb-nn.col.missouri.edu/ArcGIS/rest/services/MoDOT_Roads_Quarterly_January_2012_WMS/MapServer

Tuesday February 14th, 2012

The latest MODOT dataset is available to all MSDIS users. Updates are provided to MSDIS by MODOT on a 2-3 month basis.

[Click to download the "Raw" unparsed data in file geodatabase format.](#)

Thursday February 9th, 2012

Missouri Department of Natural Resources has released one updated dataset. This data set supersedes the previously published MO_2010_Impaired_Rivers_and_Streams_shp.zip data set.

MO_2010_Section_303d_List_Impaired_Rivers_and_Streams_shp.zip: This data set depicts Missouri's 2010 section 303(d) listed waters - rivers and streams, and is a list of certain impaired waters in the State of Missouri.

ftp://msdis.missouri.edu/pub/Environment_Conservation/MO_2010_Section_303d_List_Impaired_Rivers_and_Streams_shp.zip

Thursday February 02nd, 2012

MSDIS/GRC has released structures footprint data. These data identify and locate all structures in the six county Mid-Missouri region (Boone, Callaway, Cole, Cooper, Howard, and Moniteau Counties) and validate locations and attributes for 25 different critical infrastructure building types. This project is part of "Building data stewardship for The National Map and NSDI: Central Missouri Collaborative Review and Maintenance of Critical Infrastructure Data". These data are available as points and footprints.

18 new data can be found here: ftp://msdis.missouri.edu/pub/Facilities_Structures

2nd Period comments –

Wednesday, January 30th, 2013

Missouri Department of Natural Resources has released one updated dataset as follows:

MO 2012 Certified Wells: This data set provides information about wells that are certified by the State of Missouri. The parent data set is the Wellhead Information Management System (WIMS) database that is maintained by the Missouri Department of Natural Resources (DNR), Division of Geology and Land Survey (DGLS), Geological Survey Program (GSP), Wellhead Protection Section (WHP). The WIMS database resulted from implementation of the Water Well Drillers Law of 1985. The information about well location, well ownership, well completion date, well construction, well yield, static water level, and borehole stratigraphy was provided by well drillers as required by state statute RSMo 256.600-256.640. Wells drilled prior to July of 1987 are not included in this data set. A new WIMS Well Search is also available online at <http://dnr.mo.gov/mowells/publicLanding.do>.

This dataset replaces MO_2010_Certified_Wells_shp.zip which has been removed from MSDIS. These updated data can be found here:

ftp://msdis.missouri.edu/pub/Inland_Water_Resources/MO_2012_Certified_Wells_shp.zip

Wednesday January 23rd, 2013

The East/West Gateway Council of Governments has released 6inch resolution imagery for distribution via MSDIS. East-West Gateway is the 4,500 square miles encompassed by the City of St. Louis; Franklin, Jefferson, St. Charles, and St. Louis counties in Missouri; Madison, Monroe, and St. Clair counties in Illinois. These data are provided in MrSID format. Data for a given area consists of three files, a MrSID file, a world file and a text file. You must download all three to correctly georeference the data. Flight data can be found in the /Reports-Seams/ subdirectory.

These data can be downloaded here:

ftp://msdis.missouri.edu/pub/Imagery_Base_Maps/EWGateWay2012_6inch/

Any questions about these data should be addressed to:

Jennifer Reiman, GIS Manager

jennifer.reiman@ewgateway.org

East-West Gateway Council of Governments

One Memorial Drive, Suite 1600

St. Louis, MO 63102-2451

314.421.4220

Monday December 18th, 2012

The December MODOT data are available to all MSDIS users. Updates are provided to MSDIS by MODOT on a quarterly basis.

[Click to download the "Raw" unparsed data in file geodatabase format.](#)

Also available as a web map service here:

msdisweb.missouri.edu/ArcGIS/rest/services/MoDOT_Roads_Quarterly_December_2012_WMS/MapServer

Monday November 5th, 2012

Missouri Department of Economic Development has released one updated datasets as follows:

MO_2012_Enhanced_Enterprise_Zone_Boundaries_shp.zip: Enhanced Enterprise Zone (EEZ) Boundaries in Missouri. This file replaces MO_2011_Enhance_Enterprise_Zone_Boundaries_shp.zip.

These new data can be found here:

ftp://msdis.missouri.edu/pub/Business_Economic/MO_2012_Enhanced_Enterprise_Zone_Boundaries_shp.zip

Friday November 2nd, 2012

The NAIP 2012 imagery from the USDA is now available on MSDIS as county-wide files in zipped MrSID format.

A description page and linked index can be found here:
<http://www.msdis.missouri.edu/data/naip2012/index.html>

These data can be downloaded here:

ftp://msdis.missouri.edu/pub/Imagery_Base_Maps/naip2012/county_mrsid/

Monday October 29th, 2012

Missouri Dept. of Natural Resources (MoDNR) have supplied 3 updated dataset as follows:

- Outfall locations of animal feeding operations in Missouri with National Pollutant Discharge Elimination System (NPDES) operating permits.
- Outfall locations of wastewater facilities in Missouri with National Pollutant Discharge Elimination System (NPDES) operating permits.
- Locations of permitted features that have been granted coverage under a state-wide Master General Permit for discharges of storm water associated with a particular industrial activity.

These data can be found here:

ftp://msdis.missouri.edu/pub/Environment_Conservation/MO_2012_NPDES_Animal_Feeding_Operations_shp.zip

ftp://msdis.missouri.edu/pub/Environment_Conservation/MO_2012_National_Pollutant_Discharge_Elimination_System_Outfalls_shp.zip

ftp://msdis.missouri.edu/pub/Environment_Conservation/MO_2012_NPDES_Storm_Water_Facilities_Master_General_Permit_shp.zip

IMPORTANT NOTES:

MO_2012_NPDES_Animal_Feeding_Operations_shp.zip replaces st_npdes_afa.zip

MO_2012_NPDES_Storm_Water_Facilities_Master_General_Permit_shp.zip replaces st_npdes_storm.zip

MO_2012_NPDES_Waste_Water_Outfalls_shp.zip replaces st_npdes_outfall.zip

Monday October 15th, 2012

The September MODOT data are available to all MSDIS users. Updates are provided to MSDIS by MODOT on a quarterly basis.

[Click to download the "Raw" unparsed data in file geodatabase format.](#)

Also available as a web map service here:

msdisweb.missouri.edu/ArcGIS/rest/services/MoDOT_Roads_Quarterly_September_2012_WMS/MapServer

Tuesday, October 2, 2012

Geographic Resources Center staff has updated 2010 census tracts and 2010 zip code tabulation area data sets as follows:

ftp://msdis.missouri.edu/pub/Administrative_Political_Boundaries/MO_2010_TIGER_Census_Tracts_shp.zip

ftp://msdis.missouri.edu/pub/Administrative_Political_Boundaries/MO_2010_Zip_Code_Tabulation_Areas_shp.zip

"Demographic data for 1990, 2000, and 2010 were added as well as select American Community Survey 5-year data (2006-2010) at the GRC. Jim Harlan, GRC, October 2012."

Monday, September 10, 2012

Missouri Department of Elementary and Secondary Education have provided updates to the TIGER school districts data eliminating the Revere and Stet school districts. These updated data include recalculated 2010 demographics. These data have replaced the following two data sets which have been removed from MSDIS:

MO_2009_TIGER_Line_Elementary_School_Districts

MO_2009_TIGER_Line_Unified_School_Districts

These updated data can be found here:

ftp://msdis.missouri.edu/pub/Administrative_Political_Boundaries/MO_2012_School_Districts_shp.zip

To the extent possible increase the amount of MSDIS activities (data development, clearinghouse functionality, hardware costs, etc.) funded by alternative sources.

MOCAP / National Map and other projects...

1st Period comments –

This is a data discovery period for the RPCs in Northwest Missouri. In addition, staff members are well along on the initial point files for many of the Northwest RPC counties – some staff will be shifting to Mo-Kan counties as they complete their Northwest RPC counties. As the school year starts some "Structures" staff will return to shorter hours or back to distant schools so new staff will have to be hired and trained. A core group will remain to complete this task and assist in the larger 3 year project that will build out the "Structures" for the remainder of the state – including – eventually – the metro areas.

2nd Period comments –

Broadband Structures Project 1st Quarter report:

Throughout the first quarter of the project 18 staff - predominantly student interns - accomplished the work of digitizing points for structures and creating building line footprints on any building that was an inch or larger on their screened imagery at 1:2000' scale. The 18 worked adjustable schedules due to their university commitments – anywhere from 8-9 hours a week to 20. Over holidays they can work longer hours and a number put in 40 hour weeks during the 2012 winter semester break. Total man-hours during the quarter were: 2772.75hrs. Total points were: 490,638. Total footprints were: 1844. In the 1st quarter of the project 28 counties were started in the digitalization process – 20 counties were completed or in first or second pass review. Two Regional Planning Commissions are ready for distribution to the local governments for review, two more are still in internal review and in two others digitalization has started.

In future reports it should be underlined that many of the counties targeted in the first year were areas where broadband access was very hard to come by and almost - by definition - rural. Large areas with fewer points – this will be the trend initially for the first year. The second year targeted counties have much larger populations and will likely take longer to digitize.

The work is accomplished at two locations on campus – the Geographic Resource Center Lab (12 workers) and the Center for Geospatial Intelligence (6 workers). This requires two mid-level managers (technical analysts) who set up each student's geo-database, answer questions, monitor workers, schedule computer time and – most time consuming of all, provide reviews of students work during the first and all subsequent review passes. Finally this portion of the project has a senior manager in the form of a GIS Specialist, Sr. – who provides coordination of the staff and with the local governments, some initial training, final reviews of data sets and writes or submits materials for reports.

Management

Provide for review of MSDIS operations and budget.

1st Period comments –
Annual MSDIS fiscal report is attached.

*2nd Period comments –
Next period will see the MSDIS annual fiscal report in company with this report.*

Maintenance and development of the MSDIS computing environment for the support of the clearinghouse function and provision of security and continuity for MSDIS functionality.

1st Period comments –
MSDIS-Web servers encountered several significant problems when UM IT created a backup system for the MSDIS Web servers – I.P. addresses changed and filtered down into places in the application software we had not even begun to explore. There were several days of outage or partial outage that inconvenienced some users markedly. We still need to accomplish the same thing with the MSDIS Image Servers. While some initial discussion has occurred on this, implementation will likely be in the fall. The back-up image server (North Node) is now running ArcGIS Server 10.1 as we test various solutions for LiDAR User Access and functionality.

*2nd Period comments –
The implementation of a fully seamless backup solution of the Image Servers was delayed through the holidays for a number of reasons – new solutions to accomplish the same objective with virtual services, new purchases of replacement servers\new storage options - and a significant amount of extra planning. The servers and storage (2X10TB after raid technology) arrived onsite February 1, 2013. University DOIT server team has begun the process of spinning them up. We (the MSDIS team) will be testing a virtual FTP server to see if there are improvements in the various functions of FTP (this will be offline). Results will be reported.*