

Missouri Spatial Data Information Service

1st Bi-Annual Period Report

February 2013 – July, 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

2nd Period August, 2012 – January, 2013 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.

1st Period 2013 comments –

A number of positive developments are leading to increased data sharing at both the local/regional and public levels. Court cases, disaster events, local consortium efforts and certainly the Broadband “Structures” project are sponsoring data sharing on a seemingly larger and more comprehensive scale. This is a general impression but the underlying attitude to sharing data seems to have distinctly warmed to the idea at all levels. The geoportal continues to sort and organize existing files and we have an increasingly better idea not just of the data we post but what needs updating. Jason Hinsen (MSDIS Imagery) recently used a file comparison application to compare LiDAR data holdings at MSDIS with those at Washington U. – gaps were identified and agreements made to exchange portable hard drives to bring both locations on par. Liz Cook (USDA) has provided a new LiDAR status graphic which has been posted to the web site.

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

2nd Period August, 2012 – January, 2013 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.

1st Period 2013 comments – Several services have been renewed or issues have been identified (2012 NAIP scaling on one of the servers) and are being worked on. After presenting the MSDIS Geoportal and receiving comments on functionality a number of changes were made to the user interface, directions\help and the functionality of the “clip and ship” page (most recent data sets available on MSDIS). Comments since have been very positive – time will tell if usage increases significantly.

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:

2nd Period August, 2012 – January, 2013 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...

1st Period 2013 comments – Files in the Portal now stand at 377 – but numerous duplicates have been removed so there has actually been some considerable progress made in additions. We are working with the much older files now – many of which have incomplete or missing metadata elements that the Portal will not accept – each file takes more time to load because of this issue. The “Clip and Ship” tool has the most recent files in each category and should be your first check\search for data.

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.**

2nd Period August, 2012 – January, 2013 comments –
File conversion continues as older files go into the Portal.

*1st Period 2013 comments –
File conversion continues as older files go into the Portal*

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**

2nd Period August, 2012 – January, 2013 comments –
There have been no new standards to disseminate...

*1st Period 2013 comments –
There have been no new standards to disseminate – the state agencies led by OGI are currently working on standards but it is not clear just when those standards will be available for dissemination and review...*

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**

2nd Period August, 2012 – January, 2013 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 MSDIS\Wash U. web interface\FTP – making LiDAR available to all.

*1st Period 2013 comments –
Continues...*

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.

2nd Period August, 2012 – January, 2013 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.

*1st Period 2013 comments –
Adv. LiDAR workshop at MARC Offices (West-Central Region) - 56 attendees. Regional Geospatial Workshop at St. Jo – Building Resilient Communities hosted by MoKANWW RPCs. Attendees (38).
2013 SEMO Symposium planning is moving forward with September 18th as the target date in Cape.*

A potential target for future workshops are North-East region (late fall). 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

2nd Period August, 2012 – January, 2013 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

1st Period 2013 comments –

GIS Vendors @ 25
KCAIUG-Announce @ 304
KCAIUG-L @ 64
KCCCGG-L @ 13
LGOV-L @ 33
MAGIC_Public @ 455
MAGIC_Steering @ 32
MAGIC_Consortium @ 47
MAGIC_Executive @ 9
MGISAC @ 134
MGISDATADEV @11
MISSOURIMAPPERSASSOC-L @ 35
MMGUG-L @ 173
MOGIS ADVISORY COUNCIL-L @ 30
MSDIS-NEWS @ 214
PONYEXPRESSGUG@ 18
STCHGISUG-L @ 17
STLGIS-L @ 265
STLRIC-L @ 27

Conference / meeting Participation:

2nd Period August, 2012 – January, 2013 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 HFLD\HSIN meetings
Missouri Mappers Executive Committee meetings
Kansas Association of Mappers Conference – Wichita.
4TH Digital Earth Summit – New Zealand
IDGA Human Geography Summit

1st Period 2013 comments –

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

***MGISAC Data Development Committee
Outreach & Education Committee (Conference calls)
West Central Regional Geospatial Workshop – MARC Offices (July 29th, coordinating)
Mid-America Geographic Information Consortium (MAGIC) meetings
MSDIS Planning "Fall Buy" meetings
Monthly MSDIS staff meetings
MGISAC Strategic Planning Committee
Powerscape meetings
MO Broadband staff meetings (numerous)
GEOMAP meetings
2013 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)
FGDC – Introduction to New ISO 19115 Metadata Standards webinars (multiple)
HuGeo meetings
URISA Leaders Talk
Bi-Weekly Technical Exchange (NGA)
GeoINT conference
MO GIS Conference Committee meetings
Mid-West Regional HFLD\HSIN meetings
Missouri Mappers Executive Committee meetings
2013 Missouri Mappers Conference meetings and attendance (July)
IDGA Human Geography Summit
HSIN Connect – Mid-West Regional Conference call
SEMO Symposium planning meetings
New MO Leaf Off Imagery effort meetings
USGS Structures Volunteers meeting – April
North-West Workshop planning and attendance (June)
RPC "Structures" project training meetings and site visits
2013 National Geography Bee
NTIA SBDD and SHLB Conference (April)
IDGA Human Geography Conference (May)
MU Cyber-infrastructure Meeting
Missouri Digital Government Summit (June)***

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:

2nd Period August, 2012 – January, 2013 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_afo.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](ftp://msdis.missouri.edu/pub/Administrative_Political_Boundaries/MO_2012_School_Districts_shp.zip)

1st Period 2013 comments –

Wednesday, July 3, 2013

Missouri Department of Elementary and Secondary Education have provided updates to the TIGER school districts. This includes the name changes as well as the recent elimination of Wellston and its absorption into Normandy. These data have replaced the following data set which has been removed from MSDIS:

MO_2012_School_School_Districts

These updated data can be found here:

[ftp://msdis.missouri.edu/pub/Administrative Political Boundaries/MO 2013 School Districts shp.zip](ftp://msdis.missouri.edu/pub/Administrative_Political_Boundaries/MO_2013_School_Districts_shp.zip)

Monday June 10, 2013

The Geographic Resources Center has released one updated dataset as follows:

MO_2013_State_Library_Districts_shp.zip: 2013 Missouri State Library Districts

These updated data can be found here:

[ftp://msdis.missouri.edu/pub/Administrative Political Boundaries/MO 2013 State Library Districts shp.zip](ftp://msdis.missouri.edu/pub/Administrative_Political_Boundaries/MO_2013_State_Library_Districts_shp.zip)

Tuesday June 4th, 2012

The May 2013 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_May_2013_WMS/MapServer

Monday, April 15th, 2013

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

[MO_2013_Dept_of_Natural_Resources_Land_Boundaries_shp.zip](#) - This data set depicts the boundaries of parks and historic sites managed by the Missouri Department of Natural Resources, Division of State Parks.

This update replaces MO_2010_Dept_of_Natural_Resources_Land_Boundaries_shp.zip which has been removed from MSDIS

Monday, April 8th, 2013

Missouri Department of Natural Resources has released two updated data sets as follows:

[MO 2013 National Register Districts shp.zip](#) - District resources certified by The National Park Service as included on the National Register (NR) of Historic Places.

[MO 2013 National Register Sites shp.zip](#) - Site resources certified by The National Park Service as included on the National Register (NR) of Historic Places.

Friday, March 8th, 2013

Missouri Department of Natural Resources has released four updated data sets as follows:

[MO 2012 Section 305b Water Quality Report Complete Listing of Impaired Lakes shp.zip](#) - This data set contains those Missouri lakes which have been assessed as impaired in 2012. This data set is created in conjunction with the Missouri Water Quality Report, which is produced biennially as required by Section 305(b) of the Federal Clean Water Act, and correlates to Tables 14-15 of that report.

[MO 2012 Section 305b Water Quality Report Complete Listing of Impaired Rivers and Streams shp.zip](#) - This data set contains those Missouri streams which have been assessed as impaired in 2012. This data set is created in conjunction with the Missouri Water Quality Report, which is produced biennially as required by Section 305(b) of the Federal Clean Water Act, and correlates to Tables 14-15 of that report.

[MO 2012 Section 303d Listed Impaired Lakes shp.zip](#) - This data set contains Missouri's 2012 Section 303(d) Listed Waters (Lakes) and is a list of certain impaired waters in the State of Missouri. All waters are listed for their full size as given in 10 CSR 20-7.031 Water Quality Standards, Table G.

[MO 2012 Section 303d Listed Impaired Rivers and Streams shp.zip](#) - This data set contains Missouri's 2012 Section 303(d) Listed Waters (Streams) and is a list of certain impaired waters in the State of Missouri. All waters are listed for their full size as given in 10 CSR 20-7.031 Water Quality Standards, Table H.

The above updated datasets replace the following files which have been removed from MSDIS:

`/pub/state/MO_2010_Impaired_Lakes_shp.zip`
`/pub/state/MO_2010_Impaired_Rivers_and_Streams_shp.zip`
`/pub/state/MO_2010_Section_303d_List_Impaired_Rivers_and_Streams.shp.zip`
`/pub/Environment_Conservation/MO_2010_Impaired_Lakes_shp.zip`
`/pub/Environment_Conservation/MO_2010_Impaired_Rivers_and_Streams_shp.zip`
`/pub/Environment_Conservation/MO_2010_Impaired_Streams_Water_Quality_Report_shp.zip`
`/pub/Inland_Water_Resources/MO_2010_Impaired_Lakes_shp.zip`
`/pub/Inland_Water_Resources/MO_2010_Impaired_Rivers_and_Streams_shp.zip`
`/pub/Inland_Water_Resources/MO_2010_Impaired_Rivers_and_Streams_shp.zip`
`/pub/state/st_qltrpt_2010_l.zip`
`/pub/state/st_qltrpt_2010_s.zip`

Wednesday, March 6th, 2013

It has been brought to our attention that the following two data sets are duplicates:

[MO 2012 NPDES Storm Water Facilities Master General Permit shp.zip](#)
[MO 2012 National Pollutant Discharge Elimination System Storm Water Facilities shp.zip](#)

The second data set (MO 2012 National Pollutant Discharge Elimination System Storm Water Facilities) and metadata have been removed from MSDIS ftp and all links to it from Geoportal, themelist and datasetlist web pages have been deleted.

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...

2nd Period August, 2012 – January, 2013 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.

1st Period 2013 comments –

In the 2nd quarter of 2013, the project continued to grow with the hiring of 10 new student interns. Also, We continued to grow in production with 58 new counties in 8 RPCs started in the digitization process. Forty- nine counties were completed or were in first or second pass review. Five more Regional Planning Commissions were ready for distribution (total 9) to the local governments for review, with four in internal review, and two others with digitization just starting. Total structure points added this quarter were: 740,132 (grand total: 2,469,446). Total footprints added this quarter were: 7,619 (grand total: 20,193). Contracts for local review went out to the Regional Planning Councils early in the 2nd Quarter of 2013. Incorporated with the structures local review is also a review and compilation of Community Anchor Institutions. We have had 16 RPCs sign the contracts and have gone and done Structure and CAI trainings for the 5 RPCs that we have completed data sets for. The CAI review is to take no longer than 3 months with the structures review to be accomplished in 12 – 14 months.

Update: We are now well into the next quarter – total structures = 2,684,596, total footprints = 33,645.

Management

Provide for review of MSDIS operations and budget.

2nd Period August, 2012 – January, 2013 comments –

Next period will see the MSDIS annual fiscal report in company with this report.

1st Period 2013 comments –

Annual MSDIS fiscal report is attached.

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

2nd Period August, 2012 – January, 2013 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.

1st Period 2013 comments –

Virtualization of the MSDIS-Imagery Servers and storage space upgrade:

We're essentially down to one solution (one of the two virtualization options) but are still working out some details. The "Fall Buy" deadline approaches and we'll have to hammer those details out prior to that date in September. Significant increases to storage space – accessible by both web and imagery servers are part of the solution although the exact amount of new space is still being discussed. The FTP server test is on hold until this next phase of virtualization is complete.