2006 Agency Roll Call

WV GIS Forum and Workshops

Final Report

June 2006

Prepared by:

WV GIS Technical Center
Department of Geology and Geography
West Virginia University
425 White Hall, P.O. Box 6300
Morgantown, West Virginia 26506-6300

Phone	(304) 293-5603 ext. 4336
Fax	(304) 293-6522
E-mail	wvgis@wvu.edu
Web	http://wvgis.wvu.edu

WV Office of State GIS Coordinator
WV Geological and Economic Survey
1124 Smith Street
Room LM-10
Charleston, WV 25301

Phone	(304) 558-4218
Fax	(304) 558-4963
E-mail	cneidig@gis.state.wv.us

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OFFICE OF STATE GIS COORDINATOR
WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY

JOE MANCHIN III
GOVERNOR

1124 Smith St., Suite LM-10
Charleston, WV 25301

CRAIG A. NEIDIG
COORDINATOR

May 15, 2006

Dear GIS Colleagues:

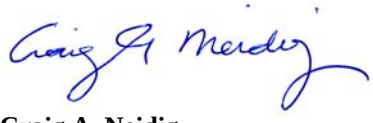
Welcome to the 2006 West Virginia GIS Forum and Workshops, hosted by the West Virginia GIS Technical Center at West Virginia University. As we celebrate the ten year anniversary of a formal State GIS program, together we can look back on many accomplishments such as the statewide DLG project, the NAPP and DOQQs, 1:24000 NHD, the state 911addressing program, and new 3-meter elevation coverage, just to name a few. As we all know there is still much hard work that needs to be done, and many challenges still to overcome. The theme of the conference, "A Decade of Progress, A Future of Promise," acknowledges the succession of GIS activities, past, present and future.

The document in your possession contains the latest synopsis of GIS activities in the Mountain State. The book will serve as a guide for the agency roll call and discussions. It will also provide a common frame of reference as we begin to formalize the direction and organization of the GIS program for the next decade and beyond. We can use this forum as a springboard to inform the Governor, Technology Office, and administration about the accomplishments of the state GIS community, to build political awareness with the Legislature and to develop the business case for using geospatial technology with local and county officials. In a time of tightened federal budgets and workforce reductions, cooperation and coordination with federal partners will be even more important than in the past. The state is in a strong position to ally with organizations such as NACo, NSGIC and NENA to advocate for geospatial initiatives at the national level. With the emergence of Google, Microsoft and Yahoo as geospatial power players, the private sector takes on an increasing economic responsibility, as well as a societal opportunity, to assist in the long-term sustainability of the national spatial data infrastructure. But how states and local governments, who serve as the primary providers of reliable, current data sources, will capitalize upon this rapidly evolving, spatially-enabled webosphere, remains to be determined. The future is upon us, indeed!

I wish to thank the staff of the West Virginia GIS Technical Center, especially Dr. Trevor Harris, Dr. Greg Elmes, Kurt Donaldson, and Evan Fedorko for their hard work in organizing this year's conference and making this document possible. Many thanks also to our sponsors for their generous financial support, without which this conference would not be possible.

Thank you and enjoy the conference. I look forward to meeting with you and continuing to work with all of you in the exciting times to come.

Sincerely,



Craig A. Neidig
WV GIS Coordinator

Environmental Protection Agency

Agency Name: Environmental Protection Agency
Contact Name: Wendy Blake-Coleman (blake-coleman.wendy@epa.gov)
Contact Phone: (202) 566.1709
URL: http://www.epa.gov

Your agency's GIS mission statement and geographic extent for digital mapping:
The mission of the Environmental Protection Agency is to protect human health and the environment. Since 1970, EPA has been working for a cleaner, healthier environment for the American people.

For what geospatial data is your agency the primary or supplementary steward?
EPA is the primary steward for seven major EPA databases which include waste, water, toxics, air, radiation, and land. EPA is a supplementary steward of nationwide data of land cover, wetlands, and watersheds.

How can the statewide geospatial community participate in or benefit from your mapping efforts? EPA welcomes dialogues with all West Virginia GIS programs to foster efficient and timely data exchange, interstate and interregional cooperation, and to better understand the environmental problems and issues that are unique to West Virginia. We also provide support by awarding grants through the National Environmental Exchange Network.

Top 3 geospatial accomplishments in the past year:
1. Established a National Geospatial Data Policy.

Top 3 geospatial goals for the coming year:
1. Collaborative approach to acquisition, management and use of geospatial data and tools
2. Streamline GeoService efforts in EPA business areas: public health, environmental media, emergency response, and enforcement and compliance.
3. Create new and updated standards

Geospatial Data Partnerships

Watersheds

- 12-digit HUCs will be reporting units for watershed water quality improvements under the new EPA Strategic Plan-starting in FY 2008
- EPA has committed $1.5 million for FYs 2005-2007 to expedite completion. Target completion date is October 2007
- Funds Partnerships and contractual work
  - Partnerships: States, USGS, USDA, EPA Regions, BLM
  - Contracts with the private sector and universities

Wetlands

- Purpose
  - To develop and finalize a national standard for mapping wetlands at multiple, compatible scales, and in multiple time-frames
  - To facilitate mapping by various entities and integrate data into the NWI Geodatabase and delivery to the National Map
  - To ensure consistency in updating wetlands maps while preserving availability of older, historic, baseline wetlands maps for change assessment
- Scope
  - Federally funded mapping efforts required to use standard
  - Other mapping efforts strongly encouraged to use standard
- Why?
  - No FGDC-approved standard for wetland mapping
  - FWS doe not have resources complete and sustain wetland mapping
  - Need Fed, State, Tribal, Local Partnership to sustain through a "mapping funding" coalition
- Next steps
  - Present proposal to stakeholder groups (i.e. ASWM, NaCO, NSGIC, etc.)
  - Begin drafting standard; l year to proposal
  - Post standard on web and solicit comments
- Contact
  - Margarete Heber (U.S. EPA Wetlands Division)
  - 202-566-1189

National Land Cover DataBase

- Landcover Data is critical to EPA:
  - Report On The Environment
  - Many Business Areas
- EPA contributes: 500,000 annually to the MRLC consortium
- In FY 2006
  - Initiating work on internal strategy to sustain funding for NLCD
  - Participating in inter-agency effort to develop strategy to sustain a 5 year production cycle
- Interested in NOAA efforts to develop high resolution land cover in selected strategic areas and better links to local land use data

Farm Service Agency

Agency Name: USDA, Farm Service Agency
Contact Name: April Savage (april.savage@wv.usda.gov)
Contact Phone: (304) 284-4800
URL: http://www.fsa.usda.gov/wv/

Your agency's GIS mission statement and geographic extent for digital mapping:
As part of its effort to map the nation's farms and fields, the U.S. Department of Agriculture's Farm Service Agency (FSA) has set out to establish the Common Land Unit (CLU) as a standardized GIS data layer that will allow mapping to be easily integrated on a nationwide basis. Along with its partner agencies, Rural Development and the Natural Resource Conservation Service (NRCS), the USDA's Farm Service Agency (FSA) is in the process of implementing desktop GIS at more than 3,000 field service center locations across the country. Ultimately, the GIS resources for the agency will be managed in a distributed database environment. As with many public agencies, the majority of FSA's business data contains geospatial components or is referenced to geographic locations (e.g., land records, field locations, and soil types).

For what geospatial data is your agency the primary or supplementary steward?
The development of the CLU data layer is the most critical component for the successful implementation of GIS by the FSA. This layer will ultimately include all farm fields, rangeland, and pastureland in the United States. In conjunction with digital imagery and other data, FSA will use the CLU data layers to support farm service programs, monitor compliance, and respond to natural disasters. http://www.esri.com/news/arcuser/0402/usda.html

How can the statewide geospatial community participate in or benefit from your mapping efforts? Stabilizing farm income, helping farmers conserve land and water resources, providing credit to new or disadvantaged farmers and ranchers, and helping farm operations recover from the effects of disaster are the missions of the U.S. Department of Agriculture's Farm Service Agency (FSA).

Top geospatial goal for the coming year:
The work associated with the S&K Technologies contract has been completed. The latest contract is the final phase of the USDA's implementation plan and represents the culmination of two years of work by S&K and Positive Systems. West Virginia is in the process of certifying the CLU layer for each County. These products afford the USDA the ability to perform a variety of agricultural analysis on features such as soil information, land ownership, land use, as well as to monitor agricultural crop compliance.

Federal Bureau of Investigation — Criminal Justice Information Services Division

Agency Name: Federal Bureau of Investigation, Criminal Justice Information Services Division
Contact Unit: Crime Analysis, Research and Development Unit (CARD Unit)
Contact Phone: (304) 625-3600, Operator 2000
URL: http://www.fbi.gov/hq/cjisd/cjis.htm

Your agency's GIS mission statement and geographic extent for digital mapping:
To the aims of reducing terrorist and criminal activities, the Criminal Justice Information Services Division, headquartered in Clarksburg, WV, provides law enforcement agencies with mapping, statistical, and analytical services. Geographic extent: nationwide.

For what geospatial data is your agency the primary or supplementary steward?
Law enforcement (not available to public)

How can the statewide geospatial community participate in or benefit from your mapping efforts? Reduce terrorist and criminal activities by maximizing the ability to provide timely and relevant criminal justice information to the FBI and to qualified law enforcement.

Top geospatial accomplishments in the past year:
Continued creation of crime analysis maps.

Top geospatial goals for the coming year:
Improve overall mapping capabilities and geospatial skills; acquire additional data sets.

Federal Emergency Management Agency

Agency Name: Federal Emergency Management Agency (FEMA)
Contact Name: Michael Craghan (michael.craghan@dhs.gov)
Contact Phone: (215) 931-5650
URL: http://www.fema.gov/ AND http://store.msc.fema.gov/

Your agency's GIS mission statement and geographic extent for digital mapping:
The primary goals of the Map Modernization program is to better prepare the Nation to address the consequences of flooding and other hazards with the ultimate aim of reducing the loss of life and property and minimize suffering and disruption caused by disaster. Our geographic extent is all states and territories; FEMA Region III is DE, DC, MD, PA, VA, WV.

For what geospatial data is your agency the primary or supplementary steward?
Flood hazard areas.

How can the statewide geospatial community participate in or benefit from your mapping efforts? New products will be in GIS formats, which will make the information more usable and more accessible. FEMA hopes to build on the efforts of state and local partners so that our maps can be of the highest quality. We are trying to map as accurately as we can so that emergency managers, building officials, and people can make the best decisions about risk. Anything, but especially base maps or elevation data that local partners can contribute to our studies could be helpful. We want to make use of the latest elevation information so that the delineation of flood zones can be as accurate as possible. In West Virginia we have great cooperation from WVSAMB and are using the high quality base map products that they produced. This is important because now our base maps will match with local GIS systems.

Top 3 geospatial accomplishments in the past year:
1. We have mapping projects underway with the following WV based partners: WVSAMB, USACE-Huntington, USACE-Pittsburgh, USGS, WVGISTC, Region I Planning and Development Council, and Canaan Valley Institute.
2. New web-based system for GIS. flood map production is operational for FEMA contractors
3. Through September 2005, 21% of the counties in Region III have digital flood insurance rate maps, and another 40% have mapping projects underway.

Top 3 geospatial goals for the coming year:
1. Continue region-wide production of Digital Flood Insurance Rate Maps
2. Move the flood map user community to use digital information instead of paper maps
3. Encourage our mapping partners to help us with this objective and leverage existing, high-quality, local data as much as possible in our map production process.

Federal Geographic Data Committee — Cadastral Subcommittee

Agency Name: Federal Geographic Data Committee (FGDC) – Cadastral Subcommittee
Contact Name: David Stage (dstage10@comcast.net)
Contact Phone: (850) 668-2604
URL: http://www.nationalcad.org/

Your agency's GIS mission statement and geographic extent for digital mapping:
The Federal Geographic Data Committee (FGDC) Subcommittee for cadastral data provides information on national cadastral coordination, standards development, meetings and implementation activities. The FGDC Cadastral Subcommittee and the National Cadastre Community are working on implementing the National Spatial Data Infrastructure (NSDI) for cadastral data.

For what geospatial data is your agency the primary or supplementary steward?
Cadastral data and associated standards and infrastructure.

How can the statewide geospatial community participate in or benefit from your mapping efforts? Parcels are the detailed information about property and its characteristics that are needed to meet the business needs of the user community. The goal of the FGDC subcommittee for cadastral data is to provide leadership in the sharing and development of a cadastral data infrastructure in the United States.

Top 3 geospatial accomplishments in the past year:
1. Conducted 2006 National Survey of Parcel Data http://www.nationalcad.org/lr_index.asp
   a. States with Parcel Management Programs (18)
   b. Parcels Converted: 61% - 2003; 68% - 2006

2. Published Cadastral NSDI Reference Document: http://www.nationalcad.org/showdoclist.asp?doctype=1&navsrc=Report

3. BLM/USFS National Integrated Land System (NILS) project: Provides a common solution for the sharing of land record information within federal, state and local governments as well as the private sector.

Top 4 geospatial goals for the coming year:
1. Deploy Cadastral NSDI through state programs
2. Develop a parcel management plan for states without programs and inventory those with plans. Aid in infrastructure development and in the solicitation of funding.
3. Continued development of state parcel management programs. Assist states on implementation. Priority areas include: Gulf Coast, wildland fire areas, and areas crucial to energy management
4. Energy Project: This project is for the coordination between the cadastral (parcel or land records) community and the energy community (oil, gas, wind and other energy resources) to identify the cadastral data needs in support of energy activities.

Monongahela National Forest

Agency Name: Monongahela National Forest
Contact Name: Sam Lammie, GIS Program Manager (slammie@fs.fed.us)
Contact Phone: (304) 636-1800 ext. 207
URL: http://www.fs.fed.us/r9/mnf

Your agency's GIS mission statement and geographic extent for digital mapping:
Our information supports Forest Service management needs. We provide information needed for day-to-day resources management in an electronic environment, quickly accessible to all who need it. Resource specialists develop interdisciplinary analyses using accurate and consistent shared information. Upward reporting systems can rely on the same information field units collect and store for their own needs, without requiring separate " feeding." Communication and interacting with the public and oversight agencies about complex resources issues is greatly facilitated by easy-to-understand GIS graphics. The Monongahela National Forest's geographic data extent corresponds to the 4th-level hydrologic units that touch the Forest's proclamation boundary. These sub-basins include the Cheat, Elk, Gauley, Greenbrier, North and South Potomac, Tygart, and Youghiogheny river basins.

For what geospatial data is your agency the primary or supplementary steward?
Data relating to or within the administrative boundary of Monongahela National Forest. The Forest Service is also assigned responsibility to coordinate vegetation data-related activities under the policy guidance and oversight of the Federal Geographic Data Committee (FGDC).

How can the statewide geospatial community participate in or benefit from your mapping efforts? The Monongahela National Forest, the Regional Forest Service office (located in Milwaukee, Wisconsin), and the Washington Office have consistently provided data, funding, and support to statewide efforts to develop a variety of geospatial products ranging from traditional cartographic products (such as the primary base series maps), to the Forest's Visitor Map, and to a wide variety digital geographic data layers (not limited to and ranging from NHD data to hundred of miles of recreational trails to thousands of miles of Forest system roads to cartographic feature files). The Monongahela National Forest has provided this suite of geographic data (and the associated metadata) to the West Virginia GIS Technical Center for incorporation into their statewide data clearinghouse. The Monongahela National Forest has also provided data to a variety of state-wide departments, agencies, and organizations.

Top 3 geospatial accomplishments in the past year:
1. Data Management:
    a. Compliance with Forest Service National Standards
    b. Conversion to NAD 83 datum
    c. Field GPS data collection of recreation sites
    d. Scanned historical maps and images
2. Project and Staff Support (e.g., includes technical expertise, analytical and map products):
    a. Incident management GIS support for National Rainbow Gathering (held on-forest)
    b. NEPA Compliance
    c. Forest Plan Revision (FPR) in-progress
    d. Forest Visitor Map (FVM) revision in-progress
    e. Special needs (i.e., gypsy moth infestation, ice damage, fires, etc.)
3. Training/Conferences:
    a. Introductory and Advanced ArcGIS, GPS – GIS staff (1) and Professional staff (25)
    b. GIS certification (1)
    c. ESRI Fed GIS Users Conference

Top 3 geospatial goals for the coming year:

1. Data Management:
    a. Compliance with National Standards
    b. Transition to ArcSDE and geodatabases
    c. Implementation of Natural Resource Information System modules
2. Project Support:
    a. NEPA Compliance
    b. Forest Plan Revision
    c. Complete Forest visitor map revision
3. Training
    a. Introductory and Advanced ArcGIS – Professional staff (40)
    b. Virtual Training from ESRI campus – GIS and Professional staff (12)

National Institute For Occupational Safety And Health — Division of Respiratory Disease Studies

Agency Name: National Institute For Occupational Safety And Health, Division of Respiratory Disease Studies, Field Studies Branch
Contact Name: Nicole Edwards
Contact Phone: (304) 285-5931
URL: http://www.cdc.gov/niosh/homepage.html

Your agency's GIS mission statement and geographic extent for digital mapping:
The Field Studies Branch does not have a GIS mission statement. GIS is used to support the Field Studies Branch primary function of designing and conducting short- and long-term field investigations of occupational respiratory diseases.

For what geospatial data is your agency the primary or supplementary steward?
The Field Studies Branch primarily uses publicly available GIS layers to plan activities such as surveys and training locations. Project-specific layers are created by joining tabular data to existing geographic features such as census blocks or zip code polygons.

How can the statewide geospatial community participate in or benefit from your mapping efforts? Since we are not creating publicly available GIS layers, there is no direct benefit to the GIS community. There are benefits at the national level in terms of making efficient use of available data to plan and complete projects relating to occupational respiratory diseases.

Top 2 geospatial accomplishments in the past year:
1. Used GIS to determine the location of training classes. Clinics were mapped by zip code and the training was conducted in area of high clinic density.
2. Used GIS to select a random sample of census blocks in New Orleans, Louisiana for a post-hurricane study of respirator use in clean up of moldy homes.

Top geospatial goal for the coming year:
Continue to use GIS to support investigations of occupational respiratory diseases.

National Oceanic and Atmospheric Administration — National Geodetic Survey

Agency Name: NOAA – National Geodetic Survey
Contact Name: William E. Linzey (eric.linzey@noaa.gov)
Contact Phone: (301) 713-3198 x120
URL: http://www.ngs.noaa.gov/

Your agency's GIS mission statement and geographic extent for digital mapping:
The National Geodetic Survey defines and maintains the National Spatial Reference System. NGS provides access to the NSRS through geodetic control and online tools to include: marks in the ground; continuously operating GPS receivers; and raster data (geoid grids, imagery, etc). NGS defines latitude, longitude, height, gravity and coastline – all which provides the foundation control for GIS layers.

For what geospatial data is your agency the primary or supplementary steward?
NGS point data (coordinates of monuments) through "Data Sheets"

How can the statewide geospatial community participate in or benefit from your mapping efforts? The National Spatial Reference System allows for coordinated geospatial layers in which consistent coordinates equals geodetic control. NGS has a role to play in making GIS data accurate. GIS has a role to play in making NGS data more accessible.

Top geospatial accomplishments in the past year:
1. NGS point data (coordinates of monuments) made available in GIS format.

Top 3 geospatial goals for the coming year:
1. Continued evolution of NGS data into GIS-friendly formats (shapefiles, etc)
2. To foster partnerships with GIS industry/software developers to ensure GIS layers are accurately tied to geodetic control
3. Use GIS in more Web-based data-distribution tools on NGS' web page

National Park Service

Agency Name: National Park Service, New River Gorge National River, Bluestone National Scenic River, and Gauley River National Recreation Area
Contact Name: Andrew Steel (andy_steel@nps.gov)
Contact Phone: (304) 465-6556
URL: http://www.nps.gov/gis/

Your agency's GIS mission statement and geographic extent for digital mapping:
Since 1995, the focus of GIS in the National Park Service has been on cartographic data acquisition for parks, GIS training, and technical and administrative support for the growing number of GIS and GPS operations in parks. More than 250 NPS units use GIS today. GIS applications range from studies of effects on parks by visitors to assistance with the re-creation of historic battlefield landscapes.

For what geospatial data is your agency the primary or supplementary steward?
Data relating to or within the administrative boundaries of a National Park Service unit.

How can the statewide geospatial community participate in or benefit from your mapping efforts? We have been and will be purchasing and generating datasets and aerial photography products that may be of use to people within the state of WV. We will gladly share any public data with our fellow GIS professionals. We also use much of the data that is generated by the WV GIS community in our daily operations

Top 3 geospatial accomplishments in the past year:
1. Produced all geospatial data needed for work on the New River Gorge National River General Management Plan (still in progress). Such things as roads, trails, ownership, a viewshed analysis, and current facilities were completed.
2. Work on impacts of three housing developments surrounding New River Gorge NR and Gauley River NRA totaling close to 2,500 home. Completed viewshed and slope analysis, potential impacts to natural and cultural resources, as well as 3D visualization modeling.
3. Received preliminary data for current vegetation layer of New River Gorge NR.

Top 3 geospatial goals for the coming year:
1. Continue support of the New River Gorge National River General Management Plan.
2. We have a contractor working on a current vegetation layer for the New River Gorge NR as well as for the Bluestone NSR and Gauley River NRA. We should final data by the end of the year.
3. Landscape change analysis for the New River Gorge National River. This includes changes in developed areas, agricultural extents, mining extents, forested/logged extents, and railroad extents for periods from the early 1900's–present.

National Weather Service — Charleston Office

Agency Name: National Weather Service, Charleston Office
Contact Name: John Sikora, Senior Service Hydrologist (john.sikora@noaa.gov)
Contact Phone: (304) 746-0189
URL: http://www.erh.noaa.gov/rlx/office/office.html

Your agency's GIS mission statement and geographic extent for digital mapping:
The National Weather Service (NWS) provides weather, hydrologic, and climate forecasts and warnings for the United States, its territories, adjacent waters and ocean areas, for the protection of life and property and the enhancement of the national economy. The Charleston Office services the central Appalachians and the middle Ohio Valley, which covers most of West Virginia, and thus is the liaison office for the State.

For what geospatial data is your agency the primary or supplementary steward?
Geographic data related to weather, hydrology, and flooding events.

How can the statewide geospatial community participate in or benefit from your mapping efforts? NWS data and products form a national information database and infrastructure, which can be used by other governmental agencies, the private sector, the public, and the global community.

Top geospatial goal for the coming year:
The Charleston NWS is creating flood inundation maps from historical flood data recorded by stream gauges and other flood stage information, combined with elevation and photos.

Natural Resources Conservation Service — Conservation Planning

Agency Name: USDA, Natural Resources Conservation Service, Conservation Planning
Contact Name: Herbert Andrick (herbert.andrick@wv.usda.gov)
Contact Phone: (304) 465-6557, (304) 465-6556
URL: http://www.wv.nrcs.usda.gov/

Your agency's GIS mission statement and geographic extent for digital mapping:
NRCS does not have a mission statement for GIS. Our area of responsibility for this office is the state of West Virginia. Similar offices are located in each state and have responsibility for the state in which they are located.

For what geospatial data is your agency the primary or supplementary steward?
NRCS is responsible for soil mapping activities and publication in addition to the fifth and sixth level hydrologic unit boundaries.

How can the statewide geospatial community participate in or benefit from your mapping efforts? With the exception of soil survey and hydrologic units, most of the mapping efforts of the NRCS are directed at producing map products in support of our clients' resource conservation decision making activities.

Natural Resources Conservation Service — Soil Survey Division

Agency Name: USDA, Natural Resources Conservation Service, Soil Survey Division
Contact Name: Tim Prescott (Timothy.Prescott@wv.usda.gov)
Contact Phone: (304) 284-7590
URL: http://www.wv.nrcs.usda.gov

Your agency's GIS mission statement and geographic extent for digital mapping:
We don't have an official agency GIS mission statement.

For what geospatial data is your agency the primary or supplementary steward?
We are the primary steward of the following datasets: Soils, NAPP digital orthophotography, watershed boundaries, National Resource Inventory (NRI).

How can the statewide geospatial community participate in or benefit from your mapping efforts? We establish cooperative agreements, contact legislators about the importance of our data and assistance, share your data, help us research and develop new data and tools.

Top 3 geospatial accomplishments in the past year:
1. The Web Soil Survey (a national effort)
2. Strong and successful partnerships with WVU, USFS, WV Dept. of Agriculture, and others
3. County mosaics of WV-SAMB images

Top 3 geospatial goals for the coming year:
1. Finish SSURGO development by 2007
2. Implement MLRA Management Area concept
3. GIS literacy for all Soil Survey staff

U.S. Army Corps of Engineers — Huntington District

Agency Name: U.S. Army Corps of Engineers, Huntington District
Contact Name: Randy Campbell (randyc@lrh.usace.army.mil)
Contact Phone: (304) 399-5825
URL: http://www.lrh.usace.army.mil

Your agency's GIS mission statement and geographic extent for digital mapping:
We are chartered to coordinate facilities, infrastructure and environmental use of Computer Aided Design and Drafting and Geographic Information Systems (CADD/GIS) activities within the Department of Defense (DOD) and with other participating governmental (federal, state and local) agencies, and the private sector. This also includes directing specific application developments, promoting communications, developing and promoting standards, furnishing technical advice, interfacing with professional organizations and industry, evaluating technological developments, and recommending necessary CADD/GIS policy to insure the maximum benefits are received from these technologies. Our geographic extent includes portions of West Virginia, Virginia, North Carolina, Ohio and Kentucky.

For what geospatial data is your agency the primary or supplementary steward?
Water resource related activities and features that support our missions of Flood Damage Reduction, Navigation of the Inland Waterway system and Environmental Restoration.

How can the statewide geospatial community participate in or benefit from your mapping efforts?
We will strive to make as much of our data publicly available as regulations in the current environment will allow.

Top 3 geospatial accomplishments in the past year:
1. Began implementation of SDSFIE (Spatial Data Standards) Compliance

Top 3 geospatial goals for the coming year:
1. To gather and manage geospatial data for the basins in our district, with emphasis on areas where we will initiate or complete recon or feasibility studies.
2. Bring the District Enterprise Project Base Map online.
3. Bring the Geospatial Catalog/Metadata Entry System online.

U.S. Army Corps of Engineers — Pittsburgh District

Agency Name: U.S. Army Corps of Engineers, Pittsburgh District
Contact Name: Melissa J. Aguglia (Melissa.J.Aguglia@lrp02.usace.army.mil)
Contact Phone: (412) 395-7409
URL: http://www.lrp.usace.army.mil/

Your agency's GIS mission statement and geographic extent for digital mapping:
The mapping extent for West Virginia is the Monongahela River Drainage Basin including the Tygart and West Fork Rivers and the Upper Ohio River Drainage Basin (from Hannibal locks and dam northward).

For what geospatial data is your agency the primary or supplementary steward?
Navigation information on the Ohio and Monongahela Rivers; regulatory information for all navigable waterways within our District; information within the boundaries of our reservoirs (Tygart and Stonewall Jackson Lakes for WV) along with data for projects authorized by Congress (flood control, environmental restoration, etc.).

How can the statewide geospatial community participate in or benefit from your mapping efforts? Communication and willingness to share are the keys.

Top geospatial accomplishments in the past year:
In conjunction with FEMA, began digital conversion of FIRM maps for four West Virginia counties: Marshall, Wetzel, Marion, and Harrison.

Top geospatial goals for the coming year:
Continued development of DFIRM flood maps.

U.S. Census Bureau — Geography Division

Agency Name: U.S. Census Bureau — Geography Division
Contact Name: Linda Franz (linda.m.franz@census.gov)
Contact Phone: (301) 763-9061
URL: http://www.census.gov

Your agency's GIS mission statement and geographic extent for digital mapping:
The Geography Division plans, coordinates, and administers all geographic and cartographic activities needed to facilitate the Census Bureau's statistical programs throughout the United States and its territories. Manages Census Bureau programs that continuously update the features, boundaries, and other geographic entities in the TIGER database and the Master Address File (MAF).

For what geospatial data is your agency the primary or supplementary steward?
The Census Bureau is responsible for providing the road and governmental unit boundary layers for The National Map.

How can the statewide geospatial community participate in or benefit from your mapping efforts? The Census Bureau is committed to realigning the TIGER database to tribal, state and local GIS files that meet the current minimum requirement of 7.6 meters spatial accuracy (CE95). Moving TIGER to a common local base will allow the Census Bureau to offer all geographic participant programs that require a spatial component to be offered in a digital file format. This includes TIGER file maintenance, as well as such programs as the Boundary Annexation Survey, School Districts, Voting Districts, Participant Statistical Areas, and the Local Update of Census Addresses. Our goal is to reduce costs to the Census Bureau as well as the participating agency by minimizing paper-based formats and maximizing digital exchange.

Top 3 geospatial accomplishments in the past year:
1. Realigned the TIGER street centerlines for over 600 counties, bringing the cumulative total to over 1800 counties.
2. Released two versions of the Census Bureau's national geospatial inventory, the TIGER Enhancement Database (TED), to State and Federal agencies responsible for collecting geospatial data.
3. Increased the group of entities participating in the digital Boundary and Annexation Survey.

Top 3 geospatial goals for the coming year:
1. Complete the 2006 fiscal year TIGER file realignment goal of 700 counties (including all of West Virginia) and begin the 2007 fiscal year production for 700 counties. All counties in the TIGER database must be realigned by April 2008 to support the Address Canvassing Operation using hand-held computers equipped with GPS in April 2009.
2. Migrate the MAF and TIGER databases to the modernized design and begin using commercial off the shelf software instead of internally designed software to manage the MAF and TIGER databases.
3. Complete user acceptance testing of the MAF/TIGER Partnership Software and release it for use on the Local Update of Census Addresses (LUCA) program beginning in January 2007.

U.S. Department of Homeland Security — Geospatial Management Office

Agency Name: Geospatial Management Office (GMO)
Contact Name: Dan Cotter (daniel.cotter@dhs.gov)
Contact Phone: (202) 772-9673
URL: http://www.dhs.gov/

Your agency's GIS mission statement and geographic extent for digital mapping:
The GMO applies geospatial technologies to protect lives, reduce costs of disaster, increase response effectiveness, and to support intelligence and law enforcement mission of the Department of Homeland Security.

For what geospatial data is your agency the primary or supplementary steward?
None. To date, GMO is staffed by only three people. Its FY 06 budget was $13.2 million. The GMO is evolving primarily into an advisory role for policy for geospatial issues for the DHS.

How can the statewide geospatial community participate in or benefit from your mapping efforts? Coordinator for homeland security geospatial information; implementation of standards, supports GOS eGOV initiative, and provides homeland security grants to states.

Top geospatial accomplishments in the past year:

1. Development of the National Asset Database: The Homeland Security Department has stepped up assurances that it will maintain the confidentiality of critical infrastructure information submitted to the National Asset Database, according to the newly revised draft National Infrastructure Protection Plan Base Plan version 2.0.

2. Homeland Security Grant Program (G&T Office):
    a. Office of Grants and Training: The GMO coordinates with the Office of Grants and Training (G&T), which was created within the DHS Preparedness Directorate as part of the 2005 Second Stage Review. G&T succeeds both the Office of State and Local Government Coordination and Preparedness (SLGCP) and its Office for Domestic Preparedness (ODP). Grants are awarded through the State Administrative Agency (SAA), WV Department of Military Affairs and Public Safety, to sub-grantees.
    b. Grant Program Guidance: On December 2, 2005, the Office of Grants and Training released the FY 2006 Homeland Security Grant Program (HSGP) Program Guidance and Application Kit. The FY 2006 HSGP integrates the State Homeland Security Program (SHSP), the Urban Areas Security Initiative (UASI), the Law Enforcement Terrorism Prevention Program (LETPP), the Metropolitan Medical Response System (MMRS), and the Citizen Corps Program (CCP). The FY 2006 HSGP Program Guidance and Application Kit builds upon the FY 2005 HSGP to streamline efforts for states and urban areas in obtaining resources that are critical to building and sustaining capabilities to achieve the interim goals for national preparedness and implement state and urban area homeland security strategies. Completed applications for the FY 2006 HSGP were due March 2, 2006.
        i. *FY05 HSGP*: Provided grantees with information regarding the Geospatial Enterprise Architecture (Appendix I); provided a series of questions intended to solicit thinking with respect to the use of geospatial data and technologies in making a more secure homeland; includes geospatial technologies and data in the Authorized Equipment List (AEL); pointed out potential uses of geospatial

technologies and data and authorized equipment expenditures (hardware, software, and data) for geospatial homeland security purposes.

ii. *FY06 HSGP*: Recognizes the National Strategy for Homeland Security Geospatial Infrastructure. It includes National Map resolution, accuracy, and currency guidance. It also includes sections on Mission Essential Data Sets (MEDS) and an updated NSDI section. In the grant guidance, Geospatial Guidance has been expanded (see page 174 Appendix H), including a series of "considerations." Potential opportunities to work within West Virginia on activities exist in the following realms:

- Homeland security geospatial strategy and requirements
- Gaining support for statewide coordinating councils
- Support of NSDI and framework data development
- Multi-jurisdictional data sharing agreements
- Publishing data and metadata
- Facilitating implementation of the Ramona GIS Inventory system in your state
- Updating the MEDS list "Guidelines for Homeland Security Infrastructure Protection Geospatial Data Content" published in October 2005 by the FGDC HSWG. "Guidelines for Homeland Security Infrastructure Protection Geospatial Data Content" published in October 2005 by the FGDC HSWG

Top 3 geospatial goals for the coming year:

1. Exercise executive leadership in establishing department geospatial information and technology programs, including the establishment of standards, software, and security procedures to protect U.S. geospatial assets.
   a. Geospatial Software: Consolidate software procurements to increase efficiency and to avoid redundancy.
   b. Geospatial Data: Complete high-resolution aerial imager acquisition for NGA's HSIP 133 City Program.
   c. Standards: Develop and support enterprise architecture based on open standards.
2. Support Data Fusion Centers in each state as started by the OPD.
3. Provide states with information about homeland security applications such as Web-EOC, E-TEAM, IMAP, Palanterra, and HAZUS.

U.S. Department of Defense — National Geospatial-Intelligence Agency

Agency Name: National Geospatial-Intelligence Agency (NGA)
Contact Name: Rex Tugwell (Rexford.G.Tugwell@nga.mil)
Contact Phone: (703) 264-7373
URL: http://www.nga.mil/

Your agency's GIS mission statement and geographic extent for digital mapping:
Provide the best available geospatial intelligence (GEOINT) to protect the homeland. NGA provides GEOINT to the Department of Homeland Security, U.S. Northern Command, FBI, Secret Service, and other agencies.

For what geospatial data is your agency the primary or supplementary steward?
Critical infrastructure and geospatial intelligence data sets.

How can the statewide geospatial community participate in or benefit from your mapping efforts? We will share information to the end that all partners involved in Homeland Security operate from a common frame or reference. We actively promote the more effective use of available resources; we design custom products to promote situational awareness; support vulnerability assessments of critical infrastructure; support the efforts of law enforcement agencies during national special security events and other special events; and support the efforts of lead federal agencies to respond to and recover from major disasters.

Top 3 geospatial accomplishments in the past year:

1. Created a Web-based system, Palanterra, to provide users a common operational picture on multiple networks that empowers them to visualize, analyze, and act upon the latest GEOINT in real time.
2. Contracted commercial and governmental agencies to compile and combine all of NGA's commercial imagery, geospatial data, and geospatial intelligence products into a single, integrated database.
3. RAND released the document "Mapping the Risks: Assessing the Homeland Security Implications of Publicly Available Geospatial Information." http://www.rand.org/publications/MG/MG142/

Top 4 geospatial goals for the coming year:

1. Continue to give customers Web access and people to assist with analysis – on site and online. Strive to be the information provider of choice for all customers involved in homeland security.
2. Continue to develop the Homeland Security Infrastructure Program (HSIP) and expand the available data layers. NGS will work with the Department of Homeland Security to make the data available to state and local process holders.
3. 133 Cities Project: As part of the 133 Cities Project for Homeland Defense, the NGA has expressed interest in geographic data that covers the area of Charleston, WV, a high priority urban mapping area.
4. Continue working with the Homeland Infrastructure Foundation Level Database Working Group (HIFLD), a loose coalition of willing Federal, State, Local Government organizations and supporting contractors that are concerned in some way with geospatial issues related to homeland security, critical infrastructure protection, and crisis and consequence management.

U.S. Department of Transportation

Agency Name: U.S. Department of Transportation
Contact Name: Carol Brandt (carol.brandt@bts.gov)
Contact Phone: (202) 366-6662
URL: http://www.dot.gov/

Your agency's GIS mission statement and geographic extent for digital mapping:
Serves the United States by ensuring a fast, safe, efficient, accessible and convenient transportation system that meets our vital national interests and enhances the quality of life of the American people, today and into the future.

For what geospatial data is your agency the primary or supplementary steward?
Transportation-related data bases.

How can the statewide geospatial community participate in or benefit from your mapping efforts?
TranStats, a Bureau of Transportation Statistics (BTS) research tool, provides access to more than 100 transportation-related data bases. http://www.transtats.bts.gov

GIS-Transportation Highlights:

(1) 2006 State DOT GIS Activities Survey: 11th year that the GIS-T symposium has conducted a survey of GIS activities at state DOTS.
http://wvgis.wvu.edu/stateactivities/strategicplans/transportation/transportation.html

GIS Organizational Structure
- 49% DOTS maintain a GIS core unit which provides technical support
- 32% of the states report having an "enterprise" organizational structure with agency-wide data integration.
- Four states (AR, ID, ND & SD) report that, although they have "pockets" of GIS applications, there is no agency-wide coordination of geospatial data or services.
- The average GIS core staff size for all responding agencies was 7.0, down from 7.4, as reported last year.
- GIS core units almost equally split between planning (47%) and information services (49%)
- Small increase in the percentage of GIS application development work that was outsourced (from 39% to 43%).

Road Centerline Key Activity
- All states that responded to this year's survey reported that they maintain a digital road centerline database.
- 60 percent of the states report that their road centerline database includes all public roads, and another 22 percent include all state and county routes.
- A key component of most transportation GIS activities is the road centerline network database.
- The majority of states (68%) distribute their road centerline database free of charge to whoever wants it.
- Most other states (22%) have policies that allow the data to be shared with other public agencies, but place restrictions on its use and/or redistribution.

Geospatial Databases

- 72% also maintain some other geospatial databases.
- Over two thirds maintain other transportation networks or features, such as rail lines, airports, etc.
- Other "framework" geospatial data maintained by state DOTs include political and administrative boundaries (50%), geodetic control points (36%), and orthoimagery (32%).
- Other databases include framework layers such as elevation (14%), water features (22%), or land parcels (10%).

Where states get geospatial data

- Primary sources of geospatial data used by state DOTs are other state and local agencies (92%).
- State geospatial clearinghouses (66%), and geo-spatial data maintained by federal agencies (58%).
- Other sources include:
  - Data purchased from commercial data vendors (18%),
  - Data provided or purchased from GIS software vendors (22%), and;
  - Data acquired through the Geospatial One-Stop (28%).

(2) Transportation Reauthorization Bill: The new Transportation Reauthorization Bill has a number of changes in the way federal funding is appropriated. The Bill contains new reporting requirements to identify and locate hazardous locations on all *public* roads, not just those roads that receive federal funding.

(3) Next Generation 9-1-1 Initiative: This initiative is a DOT research and development project to define the system architecture and develop a transition plan that considers responsibilities, costs, schedule and benefits for deploying IP-based 9-1-1 services across the Nation. This project is leveraging work from DOT's earlier Wireless E9-1-1 Initiative, which has enhanced location capability for 9-1-1 calls placed from wireless phones. http://www.its.dot.gov/ng911/next_gen_911_sys.htm

(4) Weaknesses of Current US DOT GIS Programs

- Programs are "functionally purposed" – little sharing, many stovepipes
- Small pockets of staff with some GIS experience in each Operating Administration
- Most agree there is a need for improved temporal and geographic data, but …
- There are few true data champions
- Funding for construction, only a very small percent for data development

U.S. Fish and Wildlife Service — Ecological Services Office

Agency Name: U.S. Fish and Wildlife Service — Ecological Services Office, Elkins, WV
Contact Name: Shane Jones (shane_jones@fws.gov)
Contact Phone: (304) 636-6586 x15
URL: http://www.fws.gov/

Your agency's GIS mission statement and geographic extent for digital mapping:
Our office is the West Virginia Field Office of the Fish and Wildlife Service; therefore our geographic extent is the state of West Virginia, habitat occupied by species for which we are the lead office (such as the northern flying squirrel), and designated critical habitat for endangered and threatened species. There are four goals for the National US Fish and Wildlife Service GIS program:

1. To make GIS technology available to any office that wishes to use it. We are viewing GIS as a tool that can be useful in achieving management goals.
2. Promote the integration of GIS with other systems and programs to make Service information more readily accessible.
3. Facilitate resolution of data issues including data documentation, sharing, standardization, funding sources (eg. information on A-16, grants, etc) and creation.
4. Serve as a clearinghouse for sharing ideas, discussions, and new information about GIS related topics and as a contact point both internally and externally for information on GIS in the FWS.

For what geospatial data is your agency the primary or supplementary steward?
At this time, we are the stewards of endangered species and habitat spatial data.

How can the statewide geospatial community participate in or benefit from your mapping efforts? We are well situated by our mandate to contribute to a multi-user statewide network. Our landscape-scale approach is integral to our spatial analyses of impacts to our resources.

Top 3 geospatial accomplishments in the past year:

1. Acquired dedicated GIS computer, ArcGIS software, and spatial data.
2. Trained staff in use of ArcGIS.
3. Integrated ArcGIS analysis in project planning and habitat analysis.

Top 3 geospatial goals for the coming year:

1. Train more staff in use of GIS tools and software.
2. Check accuracy of endangered species data.
3. Continue to integrate GIS to day-to-day activities and become active stewards of endangered species and habitat spatial data.

U.S. Fish and Wildlife Service — Canaan Valley National Wildlife Refuge

Agency Name: U.S. Fish and Wildlife Service – Canaan Valley National Wildlife Refuge
Contact Name: Leah Ceperley (leah_ceperley@fws.gov)
Contact Phone: (304) 866-3858
URL: https://www.fws.gov/ and http://www.fws.gov/canaanvalley/

Your agency's GIS mission statement and geographic extent for digital mapping:
The U.S. Fish and Wildlife Service Geographic Information Systems (GIS) users are responsible for managing and coordinating the Service's geospatial data resources and technology, providing customer support, and developing data, policies, procedures, and guidance in support of the Service's mission.

For what geospatial data is your agency the primary or supplementary steward?
Refuge boundaries; high resolution LiDAR and CIR (leaf-off) of the Refuge collected in Fall of 2003; rare species locations; public use trails; updated vegetation map

How can the statewide geospatial community participate in or benefit from your mapping efforts?
We are using object-oriented image analysis to map the vegetation communities of the Refuge, and will be producing a template for other Refuges in the northeast to similiarly map their vegetation. We willingly share this information, as well as any of our spatial data with other GIS users in West Virginia.

Top 3 geospatial accomplishments in the past year:
1. Updated our rare plant database, combining all available known sources of location information, with the help of the WV DNR.
2. Received training in eCognition and SPRING object-oriented image analysis, for use in updating the Refuge vegetation map.
3. Updated Refuge roads, trails, and hydrography.

Top 3 geospatial goals for the coming year:
1. Complete metadata, define projections, convert to NAD 83, and import to geodatabase all existing refuge data.
2. Complete the vegetation map.
3. Produce analysis and cartographic maps for the Refuge's Comprehensive Conservation Plan.

U.S. Geological Survey — Geographic Names Project

Agency Name: U.S. Geological Survey – Geographic Names Project, Mapping Operations Team, Eastern Region
Contact Name: Roger Payne (rpayne@usgs.gov)
Contact Phone: (703) 648-4544
URL: http://geonames.usgs.gov/

Your agency's GIS mission statement and geographic extent for digital mapping:
The Geographic Names Information System contains the official geographic names used by the Federal Government and the source for applying domestic geographic names nationwide to Federal maps & other products. The GNIS supports the U.S. Board on Geographic Names, an inter-agency body serving the Federal Government, other government agencies, and the public as the central authority to which name inquiries, name issues, and new name proposals can be directed. The GNIS provides feature names data to government agencies and to the public through a web site, web services, and customized data sets. The GNIS provides the geographic names geospatial data layers to The National Map and is the source for the gazetteer search in The National Map.

For what geospatial data is your agency the primary or supplementary steward?
The GNIS is our Nation's official repository of domestic geographic feature names information. It contains information about physical and cultural geographic features in the United States and associated areas, both current and historical (not including roads and highways). The database holds the federally recognized name of each feature and defines the location of the feature by state, county, USGS topographic map, and geographic coordinates. Other attributes include names or spellings other than the official name, feature designations, feature class, historical and descriptive information, and for some categories of features the geometric boundaries. The database assigns a unique feature identifier, a random number that is a key for accessing, integrating, or reconciling GNIS data with other data sets.

How can the statewide geospatial community participate in or benefit from your mapping efforts? Agencies with geospatial data containing feature names are encouraged to coordinate with the statewide program to reconcile all feature names data (except roads and highways) in GNIS and to apply the GNIS Feature ID as a unique identifier in their databases. This process will ensure that correct names are applied in all State and Federal products, prevent names conflicts, errors, and inconsistencies, satisfy Federal laws and policies with regard to feature names, and meet the "one feature, one name, one location" standard. On-line and easily usable data entry and edit forms are available upon request. See the Board on Geographic Names web site (http://geonames.usgs.gov) and Geospatial One-Stop (http://gos2.geodata.gov/wps/portal/gos) for information concerning all GNIS services. In Geospatial One-Stop, click Geographic Names under Special Interest Community in the left panel, then the various tables in the main pane, particularly Resources.

Top 3 geospatial accomplishments in the past year:
1. Implemented an entirely new and significantly improved web site (http://geonames.usgs.gov) and applications including the public query site (http://geonames.usgs.gov/pls/gnispublic) and on-line data entry/edit forms.
2. Added links from the public query site to map services such as The National Map, GoogleMap, TerreFly, TopoZone, TerraServer, and Tiger Map.
3. Improved the geographic feature names geospatial data layers in the GNIS map service. GNIS data can be layered directly into any GIS through the map service.
4. Created the Geographic Names Community in Geospatial One-Stop containing full metadata and describing all services.

5. Continued coordinating with WV GIS Tech. Center concerning the geographic feature names data maintenance program merging state data with GNIS and using web data entry and edit forms.

Top 3 geospatial goals for the coming year:

1. Continue reconciling West Virginia State names data with GNIS and developing tools and procedures to maintain the data.
2. Apply procedures, processes, tools and lessons learned with the West Virginia names maintenance program to other State partners.
3. Add the ability to enter and edit GNIS data through geographic displays.
4. Add additional enhancements and improvements to web sites, applications, and services.

U.S. Geological Survey — National Geospatial Program Office

Agency Name: U.S. Geological Survey – Geography Discipline
Contact Name: Bruce Bauch (bbauch@usgs.gov)
Contact Phone: (502) 493-1945
URL: http://nationalmap.gov/

Your agency's GIS mission statement and geographic extent for digital mapping:
Providing leadership to place geographic knowledge at the fingertips of the Nation.

For what geospatial data is your agency the primary or supplementary steward?
Data themes in *The National Map* include Elevation, Orthorectified Imagery, Hydrography (NHD), Geographic Names, Land Cover, Transportation, Boundaries, and Structures.

How can the statewide geospatial community participate in or benefit from your mapping efforts?
Partnerships with federal, state, and local agencies for providing access to data themes are key to the success of the NSDI. Benefits are many and varied, depending on the specific partnership.

Top 3 geospatial accomplishments in the past year:
1. Continued development and implementation of the National Spatial Data Infrastructure (NSDI) using *The National Map* , America's topographic map for the 21st Century and the Geospatial One-Stop (GOS).
2. Developed partnerships and collaborated with organizations and agencies in many areas of the U.S. including West Virginia.
3. Supported partnership with West Virginia to process WV SAMB elevation data into a gridded format that will be available through the NED and WV data portals for various applications.

Top 3 geospatial goals for the coming year:
1. Continue development of technology and programmatic capabilities to support the NSDI.
2. Continue working with federal, state, and local agencies to explore development of partnerships for building the NSDI.
3. In West Virginia, support the FGDC CAP grant project to develop the Strategic and Business Plans for the state's geospatial efforts.

U.S. Geological Survey — Water Resources Division

Agency Name: U.S. Geological Survey – Water Resources Division (WRD)
Contact Name: Katherine Paybins (kpaybins@usgs.gov)
Contact Phone: (304) 347-5130
URL: http://wv.usgs.gov/

Your agency's GIS mission statement and geographic extent for digital mapping:
We provide GIS data development in support of water resources research questions within the watersheds and ground water basins that contribute to the waters of West Virginia.

For what geospatial data is your agency the primary or supplementary steward?
For the USGS-WRD, GIS data relating to water resources research, such as surface water station points and ancillary data, groundwater monitoring sites, surface-water and ground water model inputs and outputs.

How can the statewide geospatial community participate in or benefit from your mapping efforts? The geo-datasets developed for all of our water resources projects are available for use by others in and out of government. For watershed modeling, larger scale, detailed GIS information will enable us to refine our models. We support the development of larger scale data for use in water resources research — elevation, hydrologic boundaries, stream centerlines, land use scenes or grids, orthophotos, and so on.

Top 3 geospatial accomplishments in the past year:
1. Ongoing production of DFIRMS for FEMA in Lincoln and Boone counties, WV.
2. Groundwater modeling GIS data development for Leetown Science center in Berkeley county
3. Low-flow modeling variable determination

Top 3 geospatial goals for the coming year:
1. Finishing FEMA DFIRMS for above counties
2. Integrate Hi-res NHD into all projects, as possible.
3. Develop GIS geodatabase for Opequon Creek ground water model.

Governor's Office of Technology

Agency Name: Governor's Office of Technology
Contact Name: John Wagner (JWagner@WVGOT.org)
Contact Phone: (304) 558-3784 ext 8873
URL: http://www.state.wv.us/got/

Your agency's GIS mission statement and geographic extent for digital mapping:
As a champion for geographic information technology in the State, the Governor's Office of Technology is aware and involved in the process of coordination.

For what geospatial data is your agency the primary or supplementary steward?
None.

How can the statewide geospatial community participate in or benefit from your mapping efforts? The Governor's Office of Technology (GOT) is focused on creating a government that is more efficient and cost effective.

Top geospatial accomplishments in the past year:
During the course of a research project, this office acquired geospatial referenced database information and with the assistance of WVU GIS Technical Center migrated the information into GIS reference maps. The use of GIS in this instance was as an adjunct to the primary purpose of the research. The use of GIS allowed this office to evaluate the information and make management decisions.

Top geospatial goals for the coming year:
1. Further integrate geospatial technologies into the State's information technology (IT) infrastructure.
2. Establish a formal relationship with the Office of State GIS Coordinator.

State Historic Preservation Office

Agency Name: State Historic Preservation Office
Contact Name: Tami Koontz (tami.koontz@wvculture.org)
Contact Phone: (304) 558-0240 ext. 140
URL: http://www.wvculture.org

Your agency's GIS mission statement and geographic extent for digital mapping:
The GIS mission of the State Historic Preservation Office is to map all of the prehistoric and historic cultural resources within the state and, with the exception of archaeological sites, make this information available to the public to encourage preservation of our heritage, and promote tourism of historic sites.

For what geospatial data is your agency the primary or supplementary steward?
All prehistoric and historic archaeological sites and historic architectural sites throughout the state.

How can the statewide geospatial community participate in or benefit from your mapping efforts? Our maps will primarily benefit any agencies required to complete the Section 106 process (highways, waterlines, cell towers, etc). Section 106 requires a clearance letter from the SHPO before proceeding with any project using federal dollars to insure that historic cultural resources are not being adversely impacted. With the cultural resources mapped and available, an agency can avoid areas that may potentially disturb historic resources in the planning stages saving substantial time and money. The historic architectural sites, especially the National Register of Historic Places, can be used to promote heritage tourism and education.

Top 3 geospatial accomplishments in the past year:
1. Completed System Design and Management Plan for SHPO's GIS in conjunction with the WVGISTC.
2. Completed digitizing archaeology sites and archaeology surveys. Developed a comprehensive plan for completion of spatial and tabular architectural data.
3. National Register listings now available through MapWV.gov

Top 3 geospatial goals for the coming year:
1. Secure funding for implementing web-based GIS system.
2. Continue inputting attribute data.
3. Educate more of the SHPO staff on using the GIS system.

WV Army National Guard — Joint Intelligence Fusion Center

Agency Name: WV Army National Guard, Joint Intelligence Fusion Center
Contact Name: David Smith (jefferson.smith@us.army.mil)
Contact Phone: (304) 558-2600
URL: http://www.wv.ngb.army.mil/

Your agency's GIS mission statement and geographic extent for digital mapping:
Provide insight to the law enforcement community on criminal and terrorist trends and high-risk target areas by mapping and tracking incidents within West Virginia. Provide law enforcement officials with reference maps of critical infrastructure to aid in our mission of Homeland Defense.

For what geospatial data is your agency the primary or supplementary steward?
Critical Infrastructure, Criminal Events, and Terrorist Events.

How can the statewide geospatial community participate in or benefit from your mapping efforts? The WV Army National Guard Intel Fusion Center can provide data to members of the geospatial community performing security related analysis of state assets, disaster planning, and various training exercises.

Top geospatial accomplishments in the past year:
1. Submission of completed WV Schools database for over 900 public and private schools in WV to the West Virginia GIS Technical Center. This database included field verified GPS points for all schools, name, address, points of contact, and city, county, and zip code information.
2. Provided updates to the current Army National Guard Armories data layer in use for critical infrastructure analysis by the WV Division of Homeland Security and other agencies.
3. Conducted briefings, provided training, and performed risk and threat analysis of critical infrastructure sites throughout the state for the Army Guard and the US Department of Homeland Security.

Top geospatial goals for the coming year:
1. Continue geospatial analysis and criminal intelligence assessments for homeland security and law enforcement reporting.
2. Establish and maintain homeland security related datasets for counter-terrorism and criminal intelligence programs.
3. Integrate new State Addressing & Mapping imagery and data layers into GIS mapping applications.
4. Collaborate with other agencies as appropriate for criminal intelligence mapping and investigative support functions.

WV Army National Guard — Camp Dawson

Agency Name: WV Army National Guard, Camp Dawson
Contact Name: Don Weaver (Don.Weaver@wv.ngb.army.mil)
Contact Phone: (304) 791-4386
URL: http://www.wv.ngb.army.mil/dawson/

Your agency's GIS mission statement and geographic extent for digital mapping:
Utilizing GIS, Camp Dawson Range Operations provides site specific maps used by military units and other government agencies. These products are used for land navigation and other training exercises. We also use the data to conduct 2-D analysis and overlays for firearms ranges using the Range Managers Toolkit. Databases are also compiled in the Natural Resources section to track projects, monitor invasive species contracts, establish prescribed fire and warm season grass plots, identify cultural resource sites, and to establish a geo-database for all natural resources.

For what geospatial data is your agency the primary or supplementary steward?
We maintain all data for ranges, training areas, and natural resources on properties owned or leased by Camp Dawson.

How can the statewide geospatial community participate in or benefit from your mapping efforts? Our ongoing Natural Resources invasive species project is beneficial in scope as it is one of the larger programs in the state. This is an up and coming area and our efforts could be utilized to help forward progress in this area at other sites. We also have an extensive database of flora and fauna found in the local area.

Top geospatial accomplishments in the past year:
The invasive species documentation and database completion for all Camp Dawson owned or leased sites.

Top geospatial goals for the coming year:
Future goals are to establish an inter-related geo-database that can track multiple projects and can be shared between agencies.

WV Conservation Agency

Agency Name: West Virginia Conservation Agency
Contact Name: Brad Cochran (bcochran@wvca.us)
Contact Phone: (304) 558-2204
URL: http://www.wvca.us

Your agency's GIS mission statement and geographic extent for digital mapping:
To provide leadership in the production and distribution of accurate resource information in order to assist West Virginians in knowledgeable and efficient management of the state's natural resources. Our geographic extent is the entire state of WV.

For what geospatial data is your agency the primary or supplementary steward?
Flood Control Structure Inundation data, flood recovery data, Emergency Watershed Protection, Stream Access Permit data.

How can the statewide geospatial community participate in or benefit from your mapping efforts? All state agencies are welcome to contact the WV Conservation Agency at any time for Inundation data and flood recovery status (when applicable).

Top 3 geospatial accomplishments in the past year:
1. Created a web based administration system to manage Agency data and GIS data in our 14 district offices throughout the State.
2. Created an automated map generator to provide topographic or aerial maps to our district offices.
3. Created an Agency map viewer and image caching system that combines ArcIMS and Google Maps to provide quick access to Topographic and Aerial Photography data.

Top 3 geospatial goals for the coming year:
1. Expand the Agency map viewer to include new features such as web based editing.
2. Continue to integrate all Agency data into the web based administration system.
3. Assist in the states flood recovery efforts and aid the public in various Emergency Watershed Protection duties and Stream Access Permits.

WV Department of Agriculture — Animal Health Division

Agency Name: West Virginia Department of Agriculture, Animal Health Division
Contact Name: Dr. Joe Starcher, State Veterinarian (jstarcher@ag.state.wv.us)
Contact Phone: (304) 558-2214
URL: http://www.wvagriculture.org/Division%20Web%20Pages/animal_health.html

Your agency's GIS mission statement and geographic extent for digital mapping:
The mission of the Animal Health Program is to prevent, suppress, and control any communicable diseases of animals or poultry. The Animal Health Division supervises the State's animal identification system (AIS) to help protect the safety of the state and national food supply.

For what geospatial data is your agency the primary or supplementary steward?
The AIS program aims to record the owner of a farm, farm location, and the kinds of animals and how many animals are at each farm.

How can the statewide geospatial community participate in or benefit from your mapping efforts? The livestock identification program will help to track diseases and help to protect the nation's food supply. Information collected through these programs will be vital for planning for and responding to a major agriculture-related event. This data is essential to coordinate with emergency response groups on a local, state, and federal level.

Top geospatial goal for the coming year:
In coordination with the USDA, West Virginia Division of Homeland Security and Emergency Management, WVU GIS Technical Center, and other partners, implement and maintain a phased-in national animal identification system for West Virginia. The primary goal is to collect and maintain GIS associated with all facets of agriculture (i.e. poultry producers, farms, livestock auction yards, slaughter houses, etc.) to develop emergency response capabilities.

WV Department of Agriculture — Plant Industries Division

Agency Name: West Virginia Department of Agriculture, Plant Industries Division
Contact Name: Matthew J. Blackwood, Ph.D. (mblackwood@ag.state.wv.us)
Contact Phone: (304) 558-2212
URL: http://www.wvagriculture.org/

Your agency's GIS mission statement and geographic extent for digital mapping:
WVDA does not have a GIS mission statement.

For what geospatial data is your agency the primary or supplementary steward?
WVDA-PID is responsible for mapping and maintaining data related to insects and forest disease. This activities include mapping insect populations (i.e. gypsy moth trapping data) and for mapping the extent forest diseases. We also maintain information related to damaged caused by forest insects and diseases.

How can the statewide geospatial community participate in or benefit from your mapping efforts? The data collected through these programs enables the WVDA-PID to take proactive steps to ensure the health of WV forests. Much of this data is made available to the USDA-FS for tracking national trends in threats to forest resources.

Top 3 geospatial accomplishments in the past year:
1. Collected data on a variety of insects and forest diseases. Specifically, we identified the location of gypsy moth populations and mapped the extent of hemlock woolly adelgid in the forests of WV.

2. Mapped damaged caused by insects and diseases to determine the overall health of WV forests.

3. Worked with WVDA—Animal Health Division to develop their GIS database needs.

Top 3 geospatial goals for the coming year:
1. Continue working with WVDA—Animal Health Division in the identification of agriculture-related infrastructure.

2. Continue the migration of field staff from ArcView 3.2 to ArcGIS.

3. Maintain work on insect and forest disease programs.

WV Department of Environmental Protection

Agency Name: West Virginia Department of Environmental Protection
Contact Name: Larry Evans, Manager, Technical Applications & Geographic Information Systems (TAGIS) Unit (levans@wvdep.org)
Contact Phone: (304) 926-0499x1617
URL: http://gis.wvdep.org

Your agency's GIS mission statement and geographic extent for digital mapping:
"Application of geospatial technologies to promote a healthy environment." WVDEP houses data extending from statewide to site specific scale in our geospatial archive.

For what geospatial data is your agency the primary or supplementary steward?
In West Virginia WVDEP provides spatial data archiving, free geospatial data, interactive mapping, and GPS correction information at no cost to everyone via the Internet. In the past year we have began working to establish a West Virginia Geodetic Survey Data Cooperative with Marshall University/Appalachian Transportation Institute and interested commercial parities. The purpose of this cooperative is to improve the ability of users of geodetic surveying systems to rapidly acquire real time corrections in the field using the Virtual Reference concept pioneered by Trimble Navigation Ltd. Our initial contribution to this effort is automated access to GPS corrections files from our geodetic quality base station at Morgantown. We plan to continue this tradition of free public access to environmental data assets for private and corporate citizens and to users at the municipal, county, state and federal levels of government.

How can the statewide geospatial community participate in or benefit from your mapping efforts? The public can continue to use mapping resources provided to the public by WVDEP at no cost. They can continue to work cooperatively to build spatial technology-based solutions to important State problems.

Top 3 geospatial accomplishments in the past year:
1. Increased internal users of GIS in WVDEP to approximately 200 by developing our additional custom Visual Basic/ArcObjects tools. Deployed the application as a true enterprise GIS solution for the Agency's Division of Mining & Reclamation using Citrix infrastructure. Successfully migrated most geospatial data to ArcSDE/Oracle accessed by staff at most WVDEP locations in the State using the custom built application.
2. At the request of Division of Water and Waste's Nonpoint Source and Framework Branch, a project to identify possible storm water runoff control structures was completed for a seven county area of the State's eastern panhandle. Jefferson, Berkeley, Morgan, Hampshire, Mineral, Hardy and Grant counties were examined using the 2003 E911 photography.
3. Provided WVDEP Divisions/Offices a range of missions with the capability to collect site specific 4-band digital aerial imagery anywhere required in West Virginia. Scale of photography ranges from 2003 E911 2 foot pixel resolution to a resolution of approximately 6 inches on the ground.

Top 3 geospatial goals for the coming year:
1. Our largest initiatives next year will be the practical application of remote sensing techniques and technologies to support environmental projects for WVDEP's Division of Water and Waste (DWW), Division of Mining and Reclamation (DMR) and Office of Abandoned Mine Lands and Reclamation (OAML&R). (1) Elevation data produced from the 2003 E911 2 foot pixel resolution aerial photography will be applied to derive watershed boundaries above identified storm water control structures. (2) Changes in hydrology flow patterns before and after mining

will be analyzed on several active mining sites using elevation data derived from the E911 aerial photography, IFSAR radar data purchased from InterMAP, and other elevation data sources. This project is undertaken to support a MOU between DMR and Department of the Interior's Office of Surface Mining (OSM). (3) A second MOU exists between OAML&R and OSM to locate previously undocumented acid mine drainage seeps/areas using remote sensing techniques. TAGIS will use the 2003 E911 digital imagery and elevation datasets and other archived data in our analytical processes. This work will initially be on watersheds determined by field work and chemical sampling to be the most impacted thereby focusing Agency reclamation resources. It is highly probable that work will be expanded to a statewide scope at some point in the future. (4) Lastly TAGIS will attempt to merge colors from the E911 aerial photography with county-wide imagery obtained from the Kanawha County Assessor's Office at 1 foot pixel resolution. The Kanawha County flight was spring of 2000.

2. Complete development of new, custom built geospatial applications for the Office of Blasting and Explosives and an organizational element within out Division of Water and Waste bringing total Agency GIS users to approximately 250 people.
3. Complete migration of the Agency's airborne imaging infrastructure to West Virginia's new 2005 Cessna Grand Caravan fixed wing platform. The move will be accompanied by modification of our standard operating procedures to take full advantage of the new Cessna resource.

WV Department of Health and Human Resources — Bureau for Public Health, Zoonosis Unit

Agency Name: WV Department of Health and Human Resources — Bureau for Public Health, Office of Epidemiology and Health Promotion, Division of Surveillance & Disease Control, Infectious Disease Epidemiology Program (Zoonosis Unit)
Contact Name: Susan Stowers (susanstowers@wvdhhr.org)
Contact Phone: (304) 558-5358
URL: http://www.wvdhhr.org/bph/oehp/sdc/a-z/a-z-idep.htm

Your agency's GIS mission statement and geographic extent for digital mapping:
Use GIS data to improve surveillance and prevent disease through targeted intervention.

For what geospatial data is your agency the primary or supplementary steward?
Rabies surveillance data and arbovirus surveillance data (including avian, mosquito, and human data).

How can the statewide geospatial community participate in or benefit from your mapping efforts? The statewide geospatial community can provide feedback on the maps we place on our website and on improving mapping efficiency. The geospatial community can benefit from our activities through gaining insight into how GIS and mapping is used in disease surveillance.

WV Department of Health and Human Resources, Environmental Engineering Division, Source Water Assessment and Wellhead Protection Program

Agency Name: West Virginia Department of Health and Human Resources, Bureau for Public Health, Office of Environmental Health Services, Environmental Engineering Division, Source Water Assessment and Wellhead Protection Program
Contact Name: Jonathan Feng
Contact Phone: (304) 558-6764
URL: http://www.wvdhhr.org/oehs/eed/swap/

Your agency's GIS mission statement and geographic extent for digital mapping:
Promote the West Virginia Source Water Assessment and Wellhead Protection Program and protect public drinking water sources in West Virginia by using GIS.

For what geospatial data is your agency the primary or supplementary steward?
Public Water Systems, Public Drinking Water Sources, Source Water Protection Areas.

How can the statewide geospatial community participate in or benefit from your mapping efforts? GIS data layers are available to other state agencies as well as federal agencies by request only. General public will have limited access to our data layers through a GIS enabled WWW interface.

Top 3 geospatial accomplishments in the past year:
1. Enhanced spatial and attribute accuracy of our GIS data layers.
2. Established cross walk between West Virginia Source Water Assessment and Wellhead Protection Data Model and EPA's Source Water Protection Data Model
3. Initiated West Virginia Source Water Assessment and Wellhead Protection Program WWW-GIS Pilot Project in conjunction with West Virginia GIS Technical Center.

Top 3 geospatial goals for the coming year:
1. Enhance West Virginia Source Water Assessment and Wellhead Protection Data Model utilizing many-to-many relationships.
2. Utilize Model Builder to streamline map production.
3. Revise map templates.

WV Department of Health and Human Resources — Health Care Authority

Agency Name: WV Department of Health and Human Resources – Health Care Authority
Contact Name: Jennings Starcher (jstarcher@hcawv.org)
Contact Phone: Telephone: (304) 558-7000 ext. 209
URL: http://www.hcawv.org

Your agency's GIS mission statement and geographic extent for digital mapping:
The Health Care Authority generally has two primary purposes: to constrain the rising cost of health care and to assure reasonable access to necessary health services. GIS is used to support the spatial analysis of these issues.

For what geospatial data is your agency the primary or supplementary steward?
The Authority's hospital discharge data set contains geographic data pertaining to patient residence and care location. The Health Care Authority compiles geographic information using secondary data on facilities such as hospitals, nursing homes, rural health centers, etc., from official data sources such as the Office of Health Facility Licensure and Certification and on health care professionals from licensing boards

How can the statewide geospatial community participate in or benefit from your mapping efforts? The Health Care Authority studies the adequacy of the supply of medical facilities and health professionals that serve the public.

Top geospatial accomplishments in the past year:
1. Hospital Distance Project – Calculated the distance in miles and time over different routes between hospitals for state and selected border state hospitals.
2. Long Term Care – Calculated bed supply by population.
3. Medicare Drug Prescription Plan – Assisted Medicaid program by identifying potential enrollees per county.

Top 3 geospatial goals for the coming year:
1. Definition of hospital specific 25-10 service areas for internal use as part of Certificate of Need Standards.
2. Analyze access to healthcare throughout West Virginia by mapping 30 minute drive times from facilities or services.
3. Map disease prevalence rates by county of residence.

WV Department of Tax and Revenue — Property Tax Division

Agency Name: Property Tax Division
Contact Name: Chuck Barlow (cbarlow@tax.state.wv.us), Yi-Ning Chen (ychen@tax.state.wv.us)
Contact Phone: (304) 558-3940

Your agency's GIS mission statement and geographic extent for digital mapping:
For all coal-bearing portions of the State, inventory and appraise coal properties for ad valorem property tax purposes in a manner consistent with state law.

For what geospatial data is your agency the primary or supplementary steward?
Digital property mapping primarily, with coal bed mapping for ad valorem property tax purposes, including coal bed quality data as secondary functions.

How can the statewide geospatial community participate in or benefit from your mapping efforts? Benefits of fair and equitable taxation accruing to the state are fairly evident. Spin-off benefits for economic development and safety are also fairly evident. We have worked out a cooperative agreement with Miner's Health, Safety, and Training whereby we share mine data with them, they acquire mine data for us, WVGES digitizes it, and it all becomes public information. Any other agencies that acquire mining/coal-geological data and wish to enter into a cooperative effort are welcome.

Top 3 geospatial accomplishments in the past year:
1. Applied parcel and coal ownership data to parts of Kanawha, Braxton, and Preston counties.
2. Revamped coal quality mapping for the entire state.
3. Digitized surface parcels for portions of Roane County, and incorporate Boone, Fayette and Wood counties completed by contractor.

Top 4geospatial goals for the coming year:
1. Verify/correct in-house producing coal data, and update active/reserve coal report.
2. Application of parcel and coal ownership data to remaining parts of Braxton, Kanawha, Monongalia and Preston counties as staffing permitted.
3. Provide assistance to counties as required on cadastral mapping issues to ensure a smooth transition from manual to digital format.
4. Expansion of areas of digitized and correlated mine works as well as higher data-density coal bed mapping.

WV Department of Transportation

Agency Name: WV Department of Transportation
Contact Name: Hussein Elkhansa (helkhansa@dot.state.wv.us)
Contact Phone: (304) 558-2659
URL: http://www.wvdot.com/

Your agency's GIS mission statement and geographic extent for digital mapping:
WVDOT's GIS section envisions integrating and developing a comprehensive strategy for an enterprise-wide Geographic Information System to support and track projects from design stage to completion and maintenance. Our Geographic extent covers the State of West Virginia.

For what geospatial data is your agency the primary or supplementary steward?
Roads, Rails, and Rivers.

How can the statewide geospatial community participate in or benefit from your mapping efforts? Our department will maintain data regarding the creation and maintenance of major transportation corridors throughout West Virginia. Other geospatial users will benefit by utilizing accurate and updated transportation geospatial data.

Top 3 geospatial accomplishments in the past year:
1. Established GIS training program for the WVDOT.
2. Created a GIS Portal to share geospatial transportation data.
3. Created a geo-spatial crash analysis website.

Top geospatial goals for the coming year:
1. Design a transportation data model that works for the WVDOT.
2. Start in the development of a reference network.
3. Increase staff size.

WV Development Office

Agency Name: WV Development Office
Contact Name: Carl Gunnoe (cgunnoe@wvdo.org)
Contact Phone: (304) 558-4010
URL: http://www.wvdo.org

Your agency's GIS mission statement and geographic extent for digital mapping:
The Planning and Research Division utilizes MapInfo GIS for its research and analysis, whereas the Real Estate Division employs MapTech Terrain Navigator to record coordinate points for its real estate properties. The Development Office maintains the following tabular databases that could be incorporated into a geographic information system:

Real Estate Databases: The Development office works in partnership with local development authorities, real estate brokers, and private citizens to maintain a complete listing of available sites and buildings for the entire State through a continuously updated Access database. The Development Office currently has approximately 300 properties, organized into three tables: sites, parks, and buildings.

Community Information Databases: The Development Office is interested in compiling community information for prospective clients. This information, which often contains a geographic component based upon different scales (city, county, local market areas, and state), includes demographics, labor market areas, utilities, health care, recreation, public safety, climate, and education.

For what geospatial data is your agency the primary or supplementary steward?
The West Virginia Development Office maintains up-to-date listings of industrial parks, sites, buildings and available office space. Properties include industrial or business parks that are fully vacant or partially vacant; office spaces (including buildings converted to office space); and green sites (undeveloped land). The Development office is primarily a data user, not a data producer, of GIS databases.

How can the statewide geospatial community participate in or benefit from your mapping efforts? Although the WV Development Office has limited GIS capabilities, it is interested in acquiring other agencies' geographic datasets. Data sets of special interest include topographic maps, aerial photography, tax parcels, utilities, flood hazard areas, recreation, hospitals, and schools.

Top geospatial accomplishment in the past year:
The WV GIS Technical Center created GIS files for the Development Office's industrial sites (n=166), parks (n=82) and buildings (n=83).

Top geospatial goal for the coming year:
To create a web-based information system that mimics the appearance and functionality of the Kentucky Economic Development Information System (http://www.thinkkentucky.com/edis/), while allowing for appropriate improvements and extensions.

WV Division of Forestry

Agency Name: WV Division of Forestry
Contact Name: M. Rodger Ozburn (mrozburn@mail.wvnet.edu)
Contact Phone: (304) 293-2941 ext 2475
URL: http://www.wvforestry.com

Your agency's GIS mission statement and geographic extent for digital mapping:
Increase the role of GIS as an information repository and as a decision support tool to manage West Virginia's forest resources.

For what geospatial data is your agency the primary or supplementary steward?
The DOF GIS program develops and maintains GIS datasets of nine State Forests and statewide forest industry sites, forest fire occurrence and forest management activities.

How can the statewide geospatial community participate in or benefit from your mapping efforts? WV DOF GIS program has developed GIS datasets of ownership and recreation opportunities on State Forests.

Top geospatial accomplishment in the past year:
Collaborated with the WV Division of Natural Resources, State Fire Marshal's Office, and the WV GIS Technical Center to current maps of all fire departments in the State.

Top geospatial goals for the coming year:
Continuation of Forest Resource GIS database development and support.

WV Division of Homeland Security & Emergency Management

Agency Name: WV Office of Emergency Services
Contact Name: Joseph M. Mazgaj (jmazgaj@wvoes.state.wv.us)
Contact Phone: (304) 558-5380
URL: http://www.wvdhsem.gov/

Your agency's GIS mission statement and geographic extent for digital mapping:
The mission of WV DHSEM GIS mapping section is to provide support for all homeland security and emergency management mapping requirements. We work within the entire state of West Virginia. Critical infrastructure and resources are the primary focus of our mapping efforts in support of executive level decision making.

For what geospatial data is your agency the primary or supplementary steward?
WV DHSEM supports data maintenance and stewardship on a number of GIS data layers, most of which are comprised of critical infrastructure assets, the majority of which have primary stewardship with other state government agencies.

How can the statewide geospatial community participate in or benefit from your mapping efforts? All state agencies are encouraged to contact our office for the purpose of creating new geospatial data related to critical infrastructure or emergency response, as well as the maintenance of current geospatial data layers in use by the GIS community at large.

Top 3 geospatial accomplishments in the past year:
1. Provided support to the Homeland Defense Joint Task Force for Gubernatorial and Presidential Inauguration security teams and event planners.
2. Provided mapping support to State Homeland Security Advisor for Westward Migration Planning and to executive level meetings and conferences requiring mapping support for planning purposes.
3. Provided geospatial mapping and analysis support to the US Department of Homeland Security for buffer zone protection plans and risk assessments of critical infrastructure and military installations.

Top 3 geospatial goals for the coming year:
1. Update and maintain current data holdings for all critical infrastructure and installations throughout the state of West Virginia and provide support to other agencies involved in data generation and maintenance.
2. Provide support to all state executive level decision makers and US Federal agencies for planning and infrastructure analysis programs.
3. Collaborate with State Addressing & Mapping program agencies and West Virginia University GIS Tech Center for enhanced mapping of current data holdings, and access to Oracle database mapping relative to homeland security and emergency management needs.

WV Division of Natural Resources

Agency Name: WV Division of Natural Resources
Contact Name: Michael Dougherty (michaeldougherty@wvdnr.gov)
Phone: (304) 637-0245
Web URL: http://www.wvdnr.gov

Your agency's GIS mission statement and geographic extent for digital mapping:
Utilize geospatial technologies to improve the State of West Virginia's natural resource management decisions by producing quality geographic information, applications and analyses.

For what geospatial data is your agency the primary or supplementary steward?
The DNR GIS program develops and maintains GIS datasets for 82 Wildlife Management Areas (~347,700 acres, not including National or State Forest land managed as WMAs), wildlife species, rare, threatened, and endangered species, wildlife habitat information, hunting, fishing, and other outdoor recreational activities.

How can the statewide geospatial community participate in or benefit from your mapping efforts? The WVDNR GIS program has developed GIS datasets of ownership and recreational opportunities on select Wildlife Management Areas and waterways throughout West Virginia.

Top 3 geospatial accomplishments in the past year:
1. Wildlife Management Area (WMA) Mapping:
    - completed mapping of 34 WMAs including features such as property boundaries, recreation facilities, wildlife habitat areas, and utilities
2. Upper Shaver's Fork Stream Mapping:
    - continued monitoring of 15 miles of geomorphic stream mapping sites using total station and GPS to collect baseline data for stream restoration project
3. Whitetail deer Chronic Wasting Disease (CWD) Monitoring:
    - provided data management and analysis support for ongoing statewide CWD monitoring efforts and intensive sampling in Hampshire County

Top 3 geospatial goals for the coming year:
1. Further develop and refine the agency's Microsoft SQL Server/ArcSDE geospatial database infrastructure to improve access, utilization and maintenance of natural resource data.
2. Continue natural resource GIS database development and provide ongoing GIS support to agency staff.
3. Modify field data collection process and workflow to take advantage of new features in Trimble GeoExplorer 2005 series GPS handhelds running ArcPad 7.

WV Geological and Economic Survey

Agency Name: WV Geological and Economic Survey
Contact Name: Coal: Nick Fedorko (fedorko@geosrv.wvnet.edu)
Oil and Gas: K. Lee Avary (avary@geosrv.wvnet.edu)
STATEMAP: Michael Hohn (hohn@geosrv.wvnet.edu)
ESIC: Paul Liston (liston@geosrv.wvnet.edu)
Contact Phone: (304) 594-2331
URL: http://www.wvgs.wvnet.edu/

Your agency's GIS mission statement and geographic extent for digital mapping:
The Survey has a broad mandate to maintain information and expertise on all aspects of the geology of West Virginia. Our goal is to create new geologic information in a GIS format whenever applicable and convert archival information to GIS format whenever practical, and to make the information available to the user community via the web.

For what geospatial data is your agency the primary or supplementary steward?
Consistent with the broad mandate of the Survey, we are the primary steward of all geologic information for WV, much of which lends itself to geospatial representation. We are currently developing geospatial information for coal resources, oil and gas resources, and geological mapping. For coal, we are creating GIS features representing coal bed extent, elevation, thickness, overburden depth, mined areas, and other features, funded by the state under the Coal Bed Mapping Project (CBMP). The Survey also hosts a site for downloading scans of maps of abandoned underground coal mines in cooperation with the WV Office of Miners' Health, Safety, and Training. For oil and gas, we maintain extensive well information including location, completion, stratigraphy, pays, and production data which are being migrated to the geospatial environment. We also create 7.5-minute quadrangle-based geologic maps for WV as a cooperative project with USGS. The Survey also maintains an archive of historical maps and aerial photography, much of which is available digitally. Efforts are ongoing to scan archival data and convert the appropriate information to a geospatial format.

How can the statewide geospatial community participate in or benefit from your mapping efforts? We actively seek cooperative partnerships. Our data are used by tax officials, permit regulators, mine safety officials, people dealing with abandoned mine lands or abandoned oil or gas wells, planners and developers, economic forecasters and policy makers. It can also be used for emergency response, and coal and oil and gas exploration and development. As in the past, the Survey's data continue to be used to locate and evaluate waste disposal sites, identify domestic and public water sources, identify problems associated with replacement wetlands, provide geologic and geologic hazard information to the public, educate teachers, conduct baseline geochemical surveys, and identify historic landslides and assess potential landslides.

Top 3 geospatial accomplishments in the past year:
1. Continued to create coal bed maps concentrating on Raleigh, Kanawha, Boone, Logan, and Mingo counties. This effort was enhanced by additional funding obtained from the US Department of Labor, Mine Safety and Health Administration through WV Miners' Health, Safety, and Training to accelerate compilation of underground mined areas. Made scans of abandoned underground mine maps available on the Survey web site. The migration and automation of many geoprocessing functions for the CBMP, formerly performed in Workstation ArcInfo, were transferred to tools created in ArcGIS.

2. Designed and implemented an enterprise geodatabase model for base map and CBMP data, centered on Oracle, ArcGIS, ArcSDE, and Java, allowing greater flexibility to query and display

CBMP data and oil and gas well data as applications are created. By utilizing ArcIMS and ArcSDE we can now provide real-time access to CBMP and oil and gas data, other datasets as applications are developed, or allow access to our map services with client software like ArcGIS.

3. Continued providing updated oil and gas well data on CDROM, much of which can readily be brought into a GIS environment. Initiated scanning of selected oil and gas well records. Continued scanning of archival maps, publications, and photography. Created an on-line index to the 7.5-minute topographic maps. Created an inventory of 7.5-minute quadrangle-based geologic maps.

Top 3 geospatial goals for the coming year:

1. Develop new applications to improve data availability to the public. We plan to update the agency's web site to streamline user access to Survey resources as well as include a spatial querying front-end for IMS, and create new IMS services and on-line database resources for underground mine maps, for viewing and downloading of selected well-specific and regional data for the major tight gas plays in West Virginia and Pennsylvania, and for the Survey's Gazetteer.

2. Increase the amount and quality of GIS data available; specifically, coal bed maps in southern WV, the accuracy of selected oil and gas well locations, and historical maps in digital format. We also plan to publish four geologic maps of Canaan Valley, work on four new geologic quadrangles, and complete a database model for geologic maps. Continue scanning archival information and converting the appropriate items to geospatial format with an emphasis on oil and gas well records and mapped oil and gas fields and plays.

3. Continue in-house software development to improve ArcGIS/SDE integration for oil and gas and coal data and to complete the Java program allowing better management and interactive correlation of coal stratigraphic data.

WV Geological and Economic Survey — Office of WV State GIS Coordinator

Agency Name: WV Geological and Economic Survey, Office of WV State GIS Coordinator
Contact Name: Craig A. Neidig, WV GIS Coordinator (cneidig@gis.state.wv.us)
Contact Phone: (304) 558-4218
URL: http://wvgis.wvu.edu

Your agency's GIS mission statement and geographic extent for digital mapping:
Statewide. To develop (in partnership with state, federal, county, and local agencies and in cooperation with private industry) a comprehensive, standardized, public domain, digital cartographic database for West Virginia. This data is to be shared and used by government, general public, and business community for the economic and social benefit of West Virginia. The GIS program is authorized under Executive Order 04-93 and House Bill 2222 (1995).

For what geospatial data is your agency the primary or supplementary steward?
The State GIS Coordinator is not directly responsible for the development, collection or maintenance of digital data for incorporation into any specific GIS project. The Coordinator is responsible for the promotion and implementation of GIS activities that integrate all levels of data development and varying types of GIS applications within the State. The role of the Coordinator is to provide strategic direction and policy guidance, explore opportunities for cooperative data development, and seek funding sources that benefit the entire state GIS community.

How can the statewide geospatial community participate in or benefit from your mapping efforts? It is anticipated that the data developed from the statewide addressing project will form the new base-map foundation for West Virginia, replacing the 7.5' USGS quads, 1:24000 DLGs, and DOQQs, with consistent, accurate 1:4800 scale data that can be used by all levels of government and the private sector for GIS applications throughout the state.

Top 3 geospatial accomplishments in the past year:
1. Chaired the WV Statewide Addressing and Mapping Board (WVSAMB), which is overseeing the project management, digital orthoimagery and planimetric map development, and rural addressing conversion in support of delivering Enhanced 9-1-1 services to all 55 counties in West Virginia.
2. Worked with the WV GIS Technical Center and other Federal and state agencies to successfully continue work with FEMA as a Cooperating Mapping Partner, USGS for enhanced elevation data for the National Map, DHS for critical infrastructure development, Census Bureau MAF/TIGER updates, etc.
3. Promoted the merits and success of the WV GIS program at national meetings and conferences for organizations such as the FGDC, NSGIC, and URISA.

Top 3 geospatial goals for the coming year:
1. Continue efforts to formalize and strengthen the State GIS coordination program through legislative and administrative initiatives, improve integration with the Office of Technology and the State IT infrastructure, identification of sustainable funding sources, increased interagency cooperation and communication, vocational and educational training, strategic planning and best practices development, etc.
2. Increase outreach and educational awareness with local, county and state officials, the legislature, Governor and administration, and private sector (utilities, telcos, etc.) regarding the importance of their political support and long-term funding of a statewide GIS program.

3. Obtain additional federal funding to support the National Map, Homeland Security, Enhanced 9-1-1, FEMA map modernization, Census 2010, etc.; seek private sector funding assistance (e.g., utilities, real estate, developers, delivery services, etc.) to help support the development, updating, and long-term maintenance of the statewide GIS database.

WV Legislative Redistricting Office

Agency Name: WV Legislative Redistricting Office
Contact Name: Jo Vaughan (jovaugha@mail.wvnet.edu)
Contact Phone: (304) 347-4826
URL: http://www.legis.state.wv.us/legishp.html

Your agency's GIS mission statement and geographic extent for digital mapping:
The West Virginia Legislative Redistricting office uses GIS software in order to import census databases. This facilitates communication and effective working relationships with both the Senate and House of Delegates Redistricting Committees to redraw the Senate, House of Delegates, and Congressional District Boundaries. The office examines the constitutionality of the plans. The office also utilizes geocoding of demographic and socio-economic information for the Legislature and other agencies. The GIS software is used to focus on specific geographic areas of interest.

For what geospatial data is your agency the primary or supplementary steward?
The West Virginia Legislative Redistricting Office is responsible for the securing of and the registry of the census data for the state of West Virginia. When the Legislature passes the new District Plans and they are signed into Law, the Redistricting office is the keeper of this geospatial data down to the census block.

How can the statewide geospatial community participate in or benefit from your mapping efforts? The Redistricting office offers demographic and socio-economic data in either database or map format for specific geographic areas. We can also create charts and graphs with any specific data. The Redistricting Office would appreciate any updates of boundaries (i.e. annexations).

Top 3 geospatial accomplishments in the past year:
1. Updated GIS software and expanded its uses.
2. Layered county specific ridgelines to our maps. These will be sent to the Geography Section of the Department of Commerce to be added as census block boundaries to the TIGER maps.
3. Met with members of the Legislature and expressed the need for more GIS oriented platforms.

Top 3 geospatial goals for the coming year:
1. To request and receive from each individual county any municipal boundary, magisterial boundary, or precinct boundary changes they have made which are needed for updates of the same on the Federal TIGER Maps.
2. Add more data into our GIS system in order to help specific needs within the communities as specified by the members of the Legislature and other agencies.
3. Continue to work with WVGIS and offer an extended hand to address any concerns or needs they may have with the Legislative members. This office also informs the members of the importance of this technology.

WV Office of Miner's Health, Safety, and Training

WV Office of Miner's Health, Safety, and Training
Agency Name: WV Office of Miner's Health, Safety, and Training
Contact Name: Monte Hieb (Chief Engineer; mhieb@mines.state.wv.us) or JD Higginbotham (Engineer) Contact Phone: (304) 469-8100
URL: http://www.wvminesafety.org

Your agency's GIS mission statement and geographic extent for digital mapping:
To facilitate and continually improve industry and citizen safety in and around the many active and abandoned coal mines located in West Virginia.

For what geospatial data is your agency the primary or supplementary steward?
This agency has primary responsibility to deliver mine maps of abandoned mines to the OSM Mine Map Repository for permanent archiving. This agency also has primary responsibility for regulating and monitoring mining activities around active and abandoned gas/oil wells in West Virginia.

How can the statewide geospatial community participate in or benefit from your mapping efforts? The mining industry and the public have become increasingly aware of our efforts and resources regarding abandoned mine maps and have been increasingly using them. We continue to receive very favorable comments and thanks from the coal industry and oil/gas industry who rely on our assistance to avoid hazards from previous mining.
The maps we deliver to the permanent archives can be used for construction planning, mine planning, and resource inventory purposes. Institutions or agencies with geo-referenced aerial photography, airborne radar imagery, and satellite imagery are kindly requested to contact us.

Top 3 geospatial accomplishments in the past year:
1. Have utilized our GIS tools to gather and organize information gathered in mine recovery and investigation proceedings, such as the Sago Mine Explosion and Aracoma Mine Fire, in ways which have greatly increased our ability to represent data, analyze their significance, and communicate findings.
2. Have to-date reviewed approximately 165,000 mine maps from 85 collections across West Virginia for abandoned mine maps. Maps are individually compared to the existing Map Archives to determine if they contain new or supplemental information regarding the extent or configuration of abandoned mine works. Maps which meet this criteria are scanned and added to the WV Abandoned Mine Map Archives, which to-date represents approximately 7500 new map images or a 17% increase to the Archives.
3. Have developed a suite of tools to convert photo-linear and fracture trace data developed in GIS applications into graphical histogram summaries using Excel and rose diagram graphical output using customized AutoCAD VBA macros. These are used to assist in mine planning and roof control structural analysis.

Top 3 geospatial goals for the coming year:
1. Review and analyze 50,000 more maps in the coming year and include the necessary maps into Abandoned Mine Map Archive.
2. Facilitate the use of GIS by inspectors and other agency personnel to increase the effectiveness of information collection, analysis, and decision-making.
3. Develop secure procedures for locking digital mine maps submitted by industry to the agency, allowing use of the data while prohibiting potential misuse through alteration or data piracy.

WV Public Service Commission

Agency Name: WV Public Service Commission
Contact Name: Jim Ellars (JEllars@psc.state.wv.us)
Contact Phone: (304) 340-0331
URL: http://www.psc.state.wv.us/

Your agency's GIS mission statement and geographic extent for digital mapping:
The Public Service Commission supervises and regulates the rates, services, operations and most other activities of all public utilities and many common and contract motor carriers passengers and property within West Virginia. The Commission processes and acts on petitions filed by these regulated entities. The Commission also acts upon complaints against utilities and common carriers. The PSC utilizes topographic mapping software such as Maptech Terrain Navigator to identify critical structure points (i.e., compressor stations, railroad bridges). The PSC does not currently operate a standalone GIS system of its own.

For what geospatial data is your agency the primary or supplementary steward?
Critical Infrastructure data sets, such as electric power systems, natural gas compressor stations, and railroad bridges.

WV State Police

Agency Name: WV State Police
Contact Name: Bob Carson, System Administrator for Forensic Labs (bob@wvstatepolice.com)
Contact Phone: (304) 746-2213
URL: http://www.wvstatepolice.com/

Your agency's GIS mission statement and geographic extent for digital mapping:
To provide the highest degree of law enforcement service throughout the state of West Virginia while maintaining the traditions of fairness, professionalism and integrity. The State Police partnerships with the WV Office of Emergency Services and WV Army National Guard for counter drug, emergency management, and other law enforcement activities. Although the State Police are limited in its mapping capabilities, the agency does utilize GPS equipment and DeLorme Topo mapping software. The State Police are primarily data users, not producers, of geographic information.

For what geospatial data is your agency the primary or supplementary steward?
State Police Communication Towers, State Police Detachments, in conjunction with the West Virginia GIS Technical Center.

Top geospatial goal for the coming year:

Develop capabilities to access and exploit additional geographic data sets other than topographic maps.

WV Statewide Addressing and Mapping Board (WVSAMB)

Agency Name: WV Statewide Addressing and Mapping Board (WVSAMB)
Contact Name: Craig A. Neidig, WVSAMB Chair (cneidig@gis.state.wv.us)
Contact Phone: (304) 558-4218
URL: http://www.addressingwv.org

Your agency's GIS mission statement and geographic extent for digital mapping:
Statewide; Use sound and recognized methods and standards to provide uniform city-style addresses for the entire state, and employ the latest technologies, such as digital mapping, global positioning and geographic information systems, to provide the highest level of emergency response to insure the safety, security and peace of mind of all the citizens of West Virginia.

For what geospatial data is your agency the primary or supplementary steward?
Statewide addressing data (street centerlines, address ranges, geocoded addresses) and related source data (as an agent for the 55 separate counties).

How can the statewide geospatial community participate in or benefit from your mapping efforts? It is anticipated that the SAMB 1:4800 scale data will form the new base-map foundation for West Virginia, replacing the 7.5' USGS quads, 1:24000 DLGs, and DOQQs, for mapping/GIS applications such as tax parcel mapping, boundary adjustments, infrastructure planning and economic development, especially at the local and county level, as well as become the standard base mapping layers for state and federal agencies. The SAMB database can also be linked to existing systems such as the state Tax Integrated Assessment System (IAS) to improve efficiencies in tax collection at the county level. It will also provide the base for value-added GIS coverages such as an Enhanced National Hydrography Dataset (NHD) for West Virginia, improving Census MAF/TIGER data, , hazard mitigation and emergency response, etc.

Top 3 geospatial accomplishments in the past year:
1. Full implementation of the addressing phase of project, including road naming, field notification and address data entry by contractor (microDATA GIS) and counties.
2. Submittal of SAMB road centerline files to US Census Bureau in support of MAF/TIGER improvement in preparation for the 2010 Census. A formalized MOU between Census and the SAMB is under development.
3. Obtained $229,000 in federal cost-share funding from the US Geological Survey for access to the SAMB orthophotography and development of a 3-meter high resolution digital elevation dataset for WV.

Top 3 geospatial goals for the coming year:
1. Effectuate transition from SAMB governance of statewide addressing project to permanent state agency oversight.
2. Develop viable long-term political and funding strategy for SAM system management and continuation including issues such as data maintenance and updates, fees or other cost-recovery options, addressing authority, etc.
3. Continue public outreach and educational awareness campaign with local, county and state officials, and private sector (utilities, etc.) regarding importance of the addressing project for 9-1-1 purposes.

Canaan Valley Institute

Agency Name: Canaan Valley Institute
Contact Name: Janette Bennett (janette.bennett@canaanvi.org)
Contact Phone: (304) 463-4739
URL: http://www.canaanvi.org

Your agency's GIS mission statement and geographic extent for digital mapping:
Inform decisions through advanced geospatial information & technologies. CVI serves the Mid-Atlantic Highlands which includes portions of Maryland, Pennsylvania, Virginia, and all of West Virginia.

For what geospatial data is your agency the primary or supplementary steward?
None.

How can the statewide geospatial community participate in or benefit from your mapping efforts? CVI works to provide the best-available geospatial data to community-based stakeholder groups to support decision making on a range of issues including; source water protection, floodplain management, and planning. This effort relies heavily on the availability of data that is both created and distributed by other entities within the geospatial community. All efforts aimed at the continued and increased sharing of public data benefits CVI's work. Meanwhile, by delivering data to decision-making groups, CVI can expand the audience for data and increase awareness about programs and agencies involved in their communities.

Top 3 geospatial accomplishments in the past year:
1. Acquired the Optech ALTM (Airborne Laser Terrain Mapper) 3100 to provide lidar data to stakeholders and perform fee for service work for non-stakeholders. The ALTM 3100 is coupled with a digital camera capable of capturing natural color or false color infrared photography.
2. Development of custom map products for over 30 stakeholder groups throughout the Mid-Atlantic Highlands. These are maps that were requested by a community-based organization who is working to address a perceived need or problem. The maps are custom-tailored to contextualize the group's geographic and topical area of focus.
3. Provided waste water treatment assessment for several watershed and community groups, including the Upper Guyandotte, McDowell County and Canaan Valley.

Top 3 geospatial goals for the coming year:
1. Support floodplain planning and natural stream channel design with geospatial data and analysis including the use of LiDAR data, total station survey, and hydrologic analysis. Known project areas include Little Kanawha (Gilmer), Horseshoe Run (Tucker), Seneca Creek (Pendleton).
2. Continue and improve upon the services to community-based stakeholder groups. These services include providing custom-tailored maps, special data set compilations, and GIS software training to community-based stakeholder groups.
3. Enhance the CVI presence on the World Wide Web. This includes the release of a brand new CVI website to highlight CVI's services and past projects. Additionally, CVI hopes to upgrade the infrastructure currently used to host its internet mapping services to make these more reliable and faster.

Glenville State College

Agency Name: Glenville State College
Contact Name: Charles "Rick" Sypolt (sypolt@glenville.edu)
Contact Phone: (304) 462-4135
URL: http://www.glenville.edu

Your agency's GIS mission statement and geographic extent for digital mapping:
We work within Gilmer County.

For what geospatial data is your agency the primary or supplementary steward?
The digital tax map for Glenville.

How can the statewide geospatial community participate in or benefit from your mapping efforts? We will provide information about our college and county that may be of benefit to others. We hope to be one of the few communities that has a boundary corner database that is based on a local coordinate and state plane coordinate system.

Top 3 geospatial accomplishments in the past year:
1. Scanned the assessor cards for one of the districts
2. Two new faculty team taught the GIS I Course
3. Continued to update surveying information for the area

Top 3 geospatial goals for the coming year:
1. Teach a GIS 2 course
2. Continue with faculty development in GIS technologies
3. Work with CVI to check Lidar information for the County

Marshall University — Center for Environmental, Geotechnical and Applied Sciences

Agency Name: Center for Environmental, Geotechnical and Applied Sciences (CEGAS)
Contact Name: Jamie Wolfe (jawolfe@marshall.edu)
Contact Phone: (304) 696-6042
URL: http://www.marshall.edu/cegas/

Your agency's GIS mission statement and geographic extent for digital mapping:
The goal of the center is to forge close relationships among the business community, higher education institutions, and government agencies, in technology-based endeavors. Most of our work has taken place in West Virginia and Ohio but we have no restrictions on the geographic extent of our work.

For what geospatial data is your agency the primary or supplementary steward?
None.

How can the statewide geospatial community participate in or benefit from your mapping efforts? We can help complete work and we can help point organizations in the right direction. The best way to determine how we can help is to contact the center.

Top 3 geospatial accomplishments in the past year:
1. Developed groundwork for a Statewide Water Resources data warehouse through work with the West Virginia DEP.
2. Provided GIS support for the U.S. Corps of Engineers.
3. Developed GIS tools and applications for Marshall University.

Top 3 geospatial goals for the coming year:
1. Continue current projects.
2. Expand GIS support at the Huntington District of the U.S. Corps of Engineers.
3. Complete four county Economic Development Administration projects.

Marshall University — Nick J. Rahall, II Appalachian Transportation Institute

Agency Name: Nick J. Rahall, II Appalachian Transportation Institute at Marshall University
Contact Name: Richard Begley, Ph.D. (begley@marshall.edu)
Contact Phone: (304) 696-6660
URL: http://www.marshall.edu/rti

Your agency's GIS mission statement and geographic extent for digital mapping:
Develop cost saving web based GIS applications for Transportation and Economic Development professionals in WV in addition to supporting the deployment of Intelligent Transportation Systems applications. Our geographical extent is currently the Appalachian Region but may expand to the entire continental US.

For what geospatial data is your agency the primary or supplementary steward?
Supplementary steward of 2003 aerial surveys for the entire state as part of a partnership with the WV Statewide Addressing and Mapping Board.

How can the statewide geospatial community participate in or benefit from your mapping efforts? Improvement of web based mapping capabilities through data sharing agreements with the private sector, local, State and Federal Agencies.

Top 3 geospatial accomplishments in the past year:
1. Acquisition of geospatial data for the entire state provided by the WV Statewide Addressing and Mapping board and loaded into a storage area network and disseminate through Transportation Economic Development Information System (TEDIS) Portal.
2. Migration from desktop GIS product to web-based GIS for the Appalachian Regional Commission including customized editing and printing tools for the "Appalachian Development Highway System 2002 Cost to Complete Estimate".
3. Development of GIS Land Management System (Tax Parcel) for three Counties.

Top 3 geospatial goals for the coming year:
1. Foster web based GIS Railroad Corridor Information System for the Federal Railroad Administration.
2. Develop web-based GIS for Appalachian Development Highway System 2007 Cost to Complete Estimate.
3. Expand GIS Land Management System (Tax Parcel).

Miss Utility of West Virginia

Agency Name: Miss Utility of West Virginia
Contact Name: Trina Bell
Contact Phone: 304-480-2210
URL: http://www.muwv.org/

Your agency's GIS mission statement and geographic extent for digital mapping:
Effective July 15, 1996, the West Virginia Chapter 24-C, Underground Facility Damage Prevention act became law. It requires that before excavation and/or demolition work can take place near underground facilities, excavators must notify the state one call system before any excavation or demolition activities are done. Miss Utility utilizes a suite of mapping software to accomplish its mission, including MapInfo for its one call system and AutoCAD and Microstation for other geospatial activities.

For what geospatial data is your agency the primary or supplementary steward?
Utility data (does not reside in public domain).

How can the statewide geospatial community participate in or benefit from your mapping efforts? Improved public safety and emergency services.

Top geospatial accomplishments in the past year:
1. Using the new SAMB orthophotos as a base reference layer.

Top geospatial goals for the coming year:
1. Incorporating the statewide SAMB road centerline files into our mapping system.2. Continued training in geospatial software.

West Virginia University — Appalachian Hardwood Center

Agency Name: West Virginia University – Appalachian Hardwood Center
Contact Name: Steve Harouff
Contact Phone: (304) 293-2941 Ext: 2451
URL: http://www.ahc.caf.wvu.edu

Your agency's GIS mission statement and geographic extent for digital mapping:
To provide relevant natural resource-based outreach programs, technical assistance, and research for businesses, communities and individuals located in the Appalachian forest region; these efforts, where possible, promote multiple-uses of natural resources in ways that are sustainable and compatible.

For what geospatial data is your agency the primary or supplementary steward?
West Virginia Forest Industry Data, West Virginia Wood Byproducts

How can the statewide geospatial community participate in or benefit from your mapping efforts? We provide insight on the current state of the Wood Products Industry in the Appalachian Region and how it relates to the Forest Resource.

Top 3 geospatial accomplishments in the past year:
1. Completion of the West Virginia Stewardship Analysis Project
2. Analysis of the relationship between the spatial distribution of land use and water quality in the Upper Elk River watershed.
3. Detailed cartography on the current state of woody biomass in West Virginia.

Top 3 geospatial goals for the coming year:
1. Continued work on biomass resources and relationships to industry in West Virginia and the Appalachian region.
2. Development of internet-based map servers.
3. Continued development of spatial data related to the Wood Products Industry in West Virginia.

West Virginia University — Natural Resource Analysis Center

Agency Name: Natural Resource Analysis Center, West Virginia University
Contact Name: Jerald J. Fletcher (Jerry.Fletcher@mail.wvu.edu)
Contact Phone: (304) 293-4832 ext. 4452
URL: http://www.nrac.wvu.edu

Your agency's GIS mission statement and geographic extent for digital mapping:
The Natural Resource Analysis Center (NRAC) provides research, teaching, and public service in environmental and natural resource issues with a geospatial context for the state of West Virginia and the surrounding Mid-Atlantic Highlands region.

For what geospatial data is your agency the primary or supplementary steward?
Primary steward – West Virginia Gap Analysis land cover and related wildlife distribution datasets, aerial photography and videography datasets for various locations, stream segment-level watershed delineations. Supplementary steward – West Virginia National Hydrography Dataset (NHD) surface water datasets.

How can the statewide geospatial community participate in or benefit from your mapping efforts? NRAC welcomes collaboration and projects with interested members of the geospatial community in the fields of economic development, remote sensing, landscape analysis, decision support, watershed modeling, and others. NRAC also offers ArcGIS training by an ESRI Authorized ArcGIS Instructor as well as more customized training classes upon request. For more information, please refer to www.nrac.wvu.edu.

Top 3 geospatial accomplishments in the past year:
1. Water resources related data and methods development: Completed statewide stream coding and naming of all streams in the 1:24,000 National Hydrography Dataset, developed methods for use of statewide stream segment-based watersheds in cumulative watershed analysis, used these data and methods in linking landscape factors to instream water quality and biota in the Cheat and Tygart basins.
2. Wildlife distribution modeling: Completed multi-state GAP analysis of wildlife distributions in the Central Appalachian region, working towards completion of fine-scale forest bird habitat models for the mountaintop region of West Virginia and Kentucky using point count sampling datasets and GIS derived variables.
3. Water quality modeling and training: Extended NRAC's existing Watershed Characterization and Modeling System (WCMS) ArcGIS Extension to run the Army Corps of Engineers instream water quality model for Acid Mine Drainage (HSPF), linked water quality modeling to external environmental database using Oracle, and provided support for improvements to the WCMS as well as training.

Top 3 geospatial goals for the coming year:
1. Continued improvements to water resources datasets and methods: We will work on updates of water resources GIS datasets using new and improved geospatial resources for WV such as the SAMB datasets and new 10m DEMs. This will include collaboration with the WV GIS Technical Center in exploring development of new local resolution NHD streams.
2. Continued application of spatial decision support: NRAC will continue to work in the field of spatial decision support, providing flexible analysis capabilities that allow interested parties to

weigh differing alternatives in a spatial context, including work for the Northern Neck region of Virginia and USDA Forest Service Spray Advisor aerial spraying decision support system.

3. Expanded use of remotely-sensed imagery in support of natural resources management: NRAC plans to use remotely sensed imagery in forest stand delineation and invasive species modeling in projects in West Virginia and Pennsylvania.

West Virginia University — WV GIS Technical Center

Agency Name: WV GIS Technical Center, West Virginia University
Contact Name: Drs. Gregory Elmes & Trevor Harris (Co-Directors), Kurt Donaldson (Project Manager; kdonalds@wvu.edu)
Contact Phone: (304) 293-5603 ext. 4336
URL: http://wvgis.wvu.edu/

Your agency's GIS mission statement and geographic extent for digital mapping:
To provide focus, direction and leadership to users of geographic information systems (GIS), digital mapping and remote sensing within the state of West Virginia. For more information, refer to our strategic plan at http://wvgis.wvu.edu/about/strategic_plan.html

For what geospatial data is your agency the primary or supplementary steward?
Supplementary steward – "framework" base layers for West Virginia including geographic names, streams, elevation, imagery and more.

How can the statewide geospatial community participate in or benefit from your mapping efforts? The WV GIS Technical Center advances the State's spatial data infrastructure through digital mapping projects and services focused on data development and coordination. It oversees public access to geospatial data and information via the WV Geographic Information Network, a suite of internet services that includes the data clearinghouse, Web map services, metadata catalogs, and geospatial newsletters and postings. Presently, the GIS Technical Center provides access to over 200 spatial datasets and is interested in expanding the statewide spatial data clearinghouse and metadata archives. The Center implements and promotes statewide mapping guidelines that conform to national mapping standards, and provides GIS outreach and training services.

Top 3 geospatial accomplishments in the past year:
1. *Data Development*: Completed statewide coverage of 1/9th arc-second (3-meter) resolution digital elevation data as part of the USGS National Elevation Dataset (NED). Re-projected SAMB orthophotos to UTM Zone projection. Finished initial phase of Digital Flood Insurance Rate Maps for 14 counties in West Virginia. Compiled 60 geographic datasets vital to mapping critical infrastructure. Published map books for grade schools, fire stations, poultry farms, and SAMB orthophoto tile index. Completed initial GIS inventory of the State's framework base layers as part of the nationwide Ramona system at http://www.wv.gisinventory.net/.
2. *Web Map Services*: Launched a public geospatial portal, www.MapWV.gov, for online mapping resources in West Virginia. Online base mapping layers such as orthophotos, elevation, topographic maps, and other high resolution statewide base layers are now accessible via a high-speed Internet connection. Interactive base map viewers – Easy Map and Base Map – were created for the casual user and mapping professional.
3. *Technical Reports*: 2006 Agency Roll Call, WV Framework Base Layers, Homeland Security Mapping Resources, Updated Schools for Geographic Names Information System (GNIS), Conversion of Local Resolution Elevation Data to 1/9th Arc-Second National Elevation Dataset. Published reports are available at http://wvgis.wvu.edu/stateactivities/activities.html.

Top 3 geospatial goals for the coming year:

1. *Data Development*: Complete local resolution National Hydrography Dataset (NHD) pilot utilizing the 1:4800-scale SAMB stream layer; combine the local resolution SAMB and 1:24k USGS stream layers into the most spatially and temporally accurate stream file for the State. Update cultural features of Geographic Names Information System database. Transition SAMB roads (via Census TIGER/Line files), trails, railroads, and navigable waterways into public domain. Continue to catalog and create critical infrastructure data sets. Create a map book for State Police detachments.
2. *Web Map Services*: Continue publishing OGC-compliant Web mapping services. Assist federal and state agencies with Internet Mapping Applications development to support their mission and improve GIS services to citizens of West Virginia. Deploy redundant Web map services to ensure high-availability.
3. *Technical Reports, Standards and Plans*: Local Resolution NHD Report, WV Geospatial Strategic Plan, Statewide Procedures for the Maintenance and Publishing of Digital Surface Tax Maps, bylaws for WV Association of Geospatial Professionals.

West Virginia University — WV View

Agency Name: West Virginia View, West Virginia University
Contact Name: Rick Landenberger (rick.landenberer@mail.wvu.edu)
Contact Phone: (304) 293-5603 ext. 4328
URL: http://www.wvview.org

Your agency's GIS mission statement and geographic extent for digital mapping:
West Virginia View is a consortium of public, private and non-profit remote sensing organizations with the following objectives:

1. Promote remote sensing in West Virginia.
2. Enhance the remote sensing infrastructure through improved access to data, computer resources, and field equipment.
3. Undertake community outreach.
4. Facilitate the sharing of remotely sensed data (as permitted by data purchase agreements).

For what geospatial data is your agency the primary or supplementary steward?
US government satellite data, primarily Landsat imagery.

How can the statewide geospatial community participate in or benefit from your mapping efforts? The WV view web site has over 50 satellite images of West Virginia, and 50 satellite images of other areas. Data are available in ERDAS Imagine and GEOTIFF formats. County data sets are also available.

Top 3 geospatial accomplishments in the past year:

1. Developed partnerships with West Virginia Colleges (Davis and Elkins, Glenville), federal agencies (US Forest Service, NASA), and non-profits.
2. Sponsored the Second Appalachian Remote Sensing Conference, in May 2005 (The third conference is provisionally scheduled for May 2007.)
3. Taught workshops in the West Virginia GLOBE program featuring the uses of remote sensing in K-12 education

Top 3 geospatial goals for the coming year:

1. Promote remote sensing education in WV by teaching a remote sensing and GIS course at Davis and Elkins College for both D&E students and local professors.
2. Develop partnerships to support K-12 remote sensing education.
3. Continue to grow West Virginia View, particularly within the WV geospatial community, including commercial organizations and businesses.

West Virginia University — Water Resources Institute

Agency Name: WV Water Resources Institute, Hydrology Research Center, WVU
Contact Name: Joe Donovan (donovan@geo.wvu.edu)
Contact Phone: (304)293-5603 ext 4308
URL: http://wvwri.nrcce.wvu.edu/about.cfm

Your agency's GIS mission statement and geographic extent for digital mapping:
We utilize GIS for mapping of groundwater aquifers, underground coal mines, and hydrogeologic data coverages (wells, springs, potentiometric contours, well/spring capture zones, source-water protection areas). We are a hydrogeology research group and use GIS as a tool.

For what geospatial data is your agency the primary or supplementary steward?
We do not disseminate any of our own data in geospatial form. Our web site disseminates research results.

Top geospatial goal for the coming year:
All of our goals are research based.

Wheeling Jesuit University — Center for Educational Technologies

Agency Name: Wheeling Jesuit University, Center for Educational Technologies®
Contact Name: Hope Childers (hope@cet.edu), Jodie Hoover (jhoover@cet.edu);
Contact Phone: Hope Childers (304) 243-4326, Jodie Hoover (304) 243-4417;
URL: http://www.cet.edu

Your agency's GIS mission statement and geographic extent for digital mapping:
To increase opportunities for formal and informal learners and educators to learn through the use of geospatial technologies.

For what geospatial data is your agency the primary or supplementary steward?
As part of Wheeling Jesuit University's Coal Impoundment Location and Warning System project (http://www.coalimpoundment.com), the Center for Educational Technologies® (CET) digitized evacuation/inundation areas and points (roadblocks, evacuation centers and areas, etc.) in the form of ArcGIS™ shapefiles from emergency action plans submitted by coal companies to the West Virginia Department of Environmental Protection.

How can the statewide geospatial community participate in or benefit from your mapping efforts? Coal Impoundment Project GIS data is available in the form of online maps and by request. CET is currently exploring ways to incorporate WV Geological & Economic Survey Coal Bed Mapping Project data into the Coal Impoundment online mapping applications.

The CET has nationally recognized, technology-intensive programs in four areas: curriculum development, teacher professional development, educational outreach, and educational research. The geospatial team has provided expertise and support to all four of these areas. Educators can access our award-winning Exploring the Environment® modules (http://www.cet.edu/ete/), most of which incorporate remote sensing and Earth system science education. Another online product that uses geospatial information, Global Perspectives (http://www.cet.edu/earthinfo/), focuses on culture, conservation, and geographic competency.

Top 3 geospatial accomplishments in the past year:

1. CET analysts continued to update and expand informal education and public outreach online mapping applications for the Coal Impoundment Location and Warning System project. In addition, the center has been breaking new ground in providing citizens with information in both emergency and nonemergency situations though an emerging effort, Community Alert Online (http://www.communityalertonline.com).
2. CET analysts provided geospatial analysis and data visualization support to Wheeling Jesuit University's Biology Department. That department's active projects are addressing common and reoccurring issues of poor quality water supply and poor public health within the Tug Fork watershed of the Big Sandy River in Southern West Virginia and Eastern Kentucky.
3. CET analysts provided cartographic products for Wheeling Jesuit University's Challenger Learning Center (http://clc.cet.edu/) on-site mission and distance learning development (e-Missions™). During these missions students return to the moon, voyage to Mars, or explore Earth from space. Students in mission control direct the critical activities—navigating, maintaining life support systems, communicating, or conducting research—of the students on board the space station. The students experience the critical thinking, leadership, cooperation, and problem-solving challenges necessary for mission success. In e-Missions Challenger staff deliver live simulations through videoconferencing.

Top 3 geospatial goals for the coming year:

1. Continue to provide GIS, cartographic, and data visualization products for university researchers and other clients. A current project, for example, includes using GIS tools to help a city prepare proposals to secure funding through federal brownfield assessment grants. Another involves assisting researchers detailing the environmental, social, and economic impacts of the fossil fuel cycle as it relates to energy generation.
2. Pending funding, CET not only will further maximize its GIS and ArcIMS investment through the growth of projects such as Community Alert Online, but the center will also continue to explore and test the use of Macromedia Flash and Scalable Vector Graphics for web-based GIS.
3. Pending funding, the CET will develop an intensive IT and STEM informal curriculum aimed at a nationwide audience of high school age youth and youth leaders, which would include tutorials that incorporate the use of GIS and remote sensing tools.

Greenbrier County

Agency Name: Greenbrier County
Contact Name: Melissa Scott, County Commission (mscott1@assessor.state.wv.us)
Tonya Brown, Assessor's Office (tbrown@assessor.state.wv.us)
Rusty Harvey, 911 Office
Contact Phone: (304) 647-6630

For what geospatial data is your agency the primary or supplementary steward?
The three County Departments that use geospatial data are as follows:

- Assessor's office - all parcel related data
- County Commission (Floodplain/Building Permit office) - new development, floodplain data, elevation data, zoning, hydrology, wetlands, karts, socioeconomic
- 911 Office - WVSAMB data

Top 3 geospatial accomplishments in the past year:

1. Purchase of ArcEditor (In January) for all three offices listed above.
2. County Commission (Floodplain/Building Permit office) - Began utilizing GIS for tracking and analyzing County data for use in several departments, Created geodatabase of zoning (polygons), Created geodatabase of main tax map grid into ESRI format in alignment with WVSAMB imagery for purposes of locating and tracking development.
3. 911 in cooperation with County Commission - created geodatabase of Fire, Police, and EMS zones in cooperation with WVSAMB project

Top 3 geospatial goals for the coming year:

1. Assessor - complete vectorization of remaining non-vectorized tax parcel maps and transition CAD data into seamless GIS format.
2. 911 - begin using "Team 2" software for WVSAMB project, and start using WVSAMB GIS data in ArcEditor along with mobile units for field work.
3. County Commission (Floodplain/Building permits office) - cooperate with DFIRM effort for County, work with the assessor's office, 911, health department, and local PSDs to map and track new development and development related issues, and educate other departments about benefits of GIS through data sharing with other county and city departments.

Hancock County Assessor's Office

Agency Name: Hancock County Assessor's Office
Contact Name: Daniel Tassey (dtassey@attbi.com)
Contact Phone: (304) 647-6615

Your agency's GIS mission statement and geographic extent for digital mapping:
To continue to update and improve our current GIS Tax Mapping system. Our extent is Hancock County, WV.

For what geospatial data is your agency the primary or supplementary steward?
Hancock County tax and parcel maps.

How can the statewide geospatial community participate in or benefit from your mapping efforts? We will continue sharing digital information pertaining to Hancock County, WV.

Top 3 geospatial goals for the coming year:
1. Incorporate 2004 photography into existing GIS.
2. Continue to provide neat and accurate Tax Maps.
3. Incorporate new infrastructure data to GIS.

KYOVA Interstate Planning Commission

Agency Name: KYOVA Interstate Planning Commission
Contact Name: Jody Sigmon, Associate Planner
Contact Phone: (304) 523-7434
URL: http://www.wvs.state.wv.us/kyova/

Your agency's GIS mission statement and geographic extent for digital mapping:
To develop and update a GIS system for the purpose of exploring socioeconomic, natural resource, population distribution, growth, and other information in relation to geography, political boundaries, census tracts and other lines of demarcation.

For what geospatial data is your agency the primary or supplementary steward?
All transportation planning modes.

How can the statewide geospatial community participate in or benefit from your mapping efforts? KYOVA will provide and exchange all GIS data to transportation agencies, transit operators, consulting firms, businesses, environmental agencies, and various offices of federal and state, county and municipal governments.

Top 3 geospatial accomplishments in the past year:
1. Emphasis was placed on completing the database and producing a traffic flow map of the HIATS area and graphic representations of the 2030 Long Range Transportation Plan (LRTP) and the 2006-2009 Transportation Improvement Program (TIP) projects.
2. Identified and targeted the low income, low to moderate income, minority, and other disadvantaged segments of population in the KYOVA region to help in Environmental Justice (EJ) analysis as required per transportation planning process.
3. Identified the Appalachian Development Highway System (ADHS) and produced alignments for possible corridors.

Top 3 geospatial goals for the coming year:
1. Census data will be used to update the urbanized area boundary and update functional classification systems for the area to be incorporated into KYOVA maps.
2. Among the products will be an updated traffic flow map of the HIATS area and graphic representations of the new LRTP, the TIP and Freight Analysis and Data.
3. Integrate the KYOVA Travel Demand Forecast Model (TDFM) networks into GIS format, as well as coded all bus/transit routes for the Tri-state Transit Authority.

Marion County Assessor's Office

Agency Name: Marion County Assessor's Office
Contact Name: Jim Priester (jprieste@assessor.state.wv.us)
Contact Phone: (304) 367-5410

Your agency's GIS mission statement and geographic extent for digital mapping:
To provide the public with a "state of the art" GIS program and seamless map that is as accurate as we can make it. Our extent is Marion County.

For what geospatial data is your agency the primary or supplementary steward?
Parcel identification data for tax purposes.

How can the statewide geospatial community participate in or benefit from your mapping efforts? Help locate any resources, such as; grants for software and hardware, any professional expertise in the development stages, help in the RFP or EOI preparation.

Top 3 geospatial goals for the coming year:
1. Use aerial photography and centerline info to modify existing tax maps,which will improve the base map on which we build our GIS program.
2. Train employees to use the latest in GIS software.
3. Currently entertaining proposals from vendors to assist in GIS development.

Monongalia County Planning Office

Agency Name: Monongalia County Planning Office
Contact Name: Kelli LaNeve, Office Manager (klaneve@moncpc.org)
Contact Phone: (304) 292-9570
URL: http://www.moncpc.org

Your agency's GIS mission statement and geographic extent for digital mapping:
Our mission statement is under development. The geographic extent of digital mapping for the County Planning Office is the countywide unincorporated area.

For what geospatial data is your agency the primary or supplementary steward?
Existing land use within the planning districts, future land use and zoning within the planning districts, floodplain management in unincorporated areas countywide, and wireless communication facilities in unincorporated areas county-wide.

How can the statewide geospatial community participate in or benefit from your mapping efforts? The County will share data generated locally. Additionally, we are actively engaged in efforts to improve local digital cadastral data.

Top 3 geospatial accomplishments in the past year:
1. Purchased ESRI software and supporting hardware to develop GIS capabilities for the County Planning Office.
2. Created land use related geospatial data based on exhaustive fieldwork and data collection.
3. Obtaining draft floodplain mapping from WV GIS Tech Center.

Top 2 geospatial goals for the coming year:
1. Pursue methods of encouraging or requiring the County Assessors to modernize its cadastral mapping to a GIS-based system.
2. Take full advantage of the Statewide Addressing and Mapping Project data.

Morgantown — City Planning Department

Agency Name: Planning Department, City of Morgantown
Contact Name: Christopher M. Fletcher, AICP, Director (cfletcher@cityofmorgantown.org
Contact Phone: (304) 284-7413
URL: http://www.morgantown.com/

Your agency's GIS mission statement and geographic extent for digital mapping:
The Department has not adopted a GIS mission statement. The extent of our digital mapping includes the incorporated and immediate urban areas of the City of Morgantown.

For what geospatial data is your agency the primary or supplementary steward?
Existing and future land use, zoning, annexation, special districts (TIF, business development, police zones, etc.), beautification sites, municipal-owned property, building footprints, etc.

How can the statewide geospatial community participate in or benefit from your mapping efforts? Our interests in deploying GIS are to expand local digital knowledge, improve department operational efficiencies, and expand municipal services. We are more than willing to share geospatial data that we create and exchange our experiences as we move forward. We advocate public policy, rule making, and administrative actions that embrace GIS technologies. Additionally, we are actively engaged in efforts to improve local digital cadastral data.

Top geospatial accomplishments in the past year:
1. With the assistance of the WV GIS Tech Center, the City's zoning map was developed digitally using GIS, which has significantly reduced costs for distribution, production, and maintenance.

Top 2 geospatial goals for the coming year:

1. Acquiring "Zoning Analyst" extension software to deploy a GIS-based zoning case management strategy.

2. Increase city departmental interest in GIS by creating new geospatial data that serves their unique needs while integrating new data into a larger dataset.

Morgantown — Monongalia County Transportation Planning Organization

Agency Name: Morgantown – Monongalia County Transportation Planning Organization
Contact Name: Chester A. "Chet" Parsons (parsons@plantogether.org)
Contact Phone: (304) 291-9571
URL: http://www.plantogether.org

What is your agency's GIS mission statement and geographic extent for digital mapping?
The current geographic extent for the Greater Morgantown MPO includes all jurisdictions within the borders of Monongalia County. The potential exists for that area to expand following the 2010 Census.

How can the statewide geospatial community participate in or benefit from your mapping efforts? The Greater Morgantown MPO serves as one voice for the many different governments and community groups in relating transportation needs to our state and federal partners. Our mapping efforts spatially represent that voice and communicate transportation goals and objectives to potential funding sources and other interested parties.

For what geospatial data is your agency the primary or supplementary steward?
Transportation - local roads, transit routes, bike/pedestrian facilities, and most importantly, plans for future improvements / new facilities

Top geospatial accomplishments in the past year:
1. Continued development of a regional transportation plan, including traffic modeling through a consultant.
2. Continued development of local datasets, including traffic counts, crash data, and transit planning
3. Purchase of a large-format plotter to produce maps for public meetings, conferences, etc.

Top 3 geospatial goals for the coming year:
1. Develop in-house traffic modeling that ports directly to GIS
2. Continue efforts to coordinate GIS development and maintenance with other local stakeholders, including Monongalia County, the City of Morgantown, West Virginia University, and Morgantown Utility Board
3. Investigate methods to compel the Monongalia County Assessor's Office to establish digital standards and GIS mapping procedures for tax parcel input and maintenance.

Ohio County Commission GIS

Agency Name: Ohio County Commission GIS
Contact Name: Jim Davis (occgis@commission.state.wv.us)
Contact Phone: (304) 234-3893

Your agency's GIS mission statement and geographic extent for digital mapping:
To develop an enterprise GIS system that will allow Ohio County and its municipalities to create a more efficient and effective means to serve the public.

For what geospatial data is your agency the primary or supplementary steward?
Pulling and organizing all data compiled from different departments and entities.

How can the statewide geospatial community participate in or benefit from your mapping efforts? Participate by supplying counties with data for coal mines and major utilities to include gas and electric lines. Benefit by obtaining up-to-date and accurate data from counties to complete a state-wide map.

Top 3 geospatial goals for the coming year:
1. Aid in the integration of GIS with 911 and Emergency Management.
2. Migrate public utilities, such as water and sewer lines into GIS.
3. Aid in the completion city-style addressing for the entire county.

Preston County Assessor's Office

Agency Name: Preston County Assessor's Office
Contact Name: Terri L. Funk (tlfunk@assessor.state.wv.us)
Contact Phone: (304) 329-1220

Your agency's GIS mission statement and geographic extent for digital mapping:
Our agency is working to provide the most accurate, up-to date information possible to the people of Preston County using technological advances to incorporate spatial datasets into the Preston County area digital tax mapping system.

For what geospatial data is your agency the primary or supplementary steward?
Our agency supplies geospatial data in the form of a tax mapping system to properly identify and assess real estate property. The tax maps are also used as public information provided to the taxpayers as well as attorneys, surveyors, real estate appraisers, business and industry, and the general public.

How can the statewide geospatial community participate in or benefit from your mapping efforts?
The combination of mapping and addressing information with the integrated assessment system is an ongoing co-operative effort between the assessor's office and the Office of Emergency Management. The accuracy and maintenance of this information will continue to provide current datasets that can be shared among emergency services and law enforcement officials. The information can be shared with surrounding counties to assist with tax assessment and statewide to build a digital map of WV compatible for inclusion into a national map grid.

Top geospatial accomplishments in the past year:
1. Conversion of all AutoCAD files into ArcGIS 9.1 as the primary system for the analysis, manipulation and management of our spatial data. Regular monthly maintenance of all mapping changes.
2. Integration of the 2003 ortho-photography, 911 road centerlines and names as completed, and planametric information as feature datasets into our geodatabase. Shift and alignment of digitized maps to better match ortho-photography and road centerline datasets.
3. Integrated Assessment System data is combined with the parcels layer attribute table for information purposes and linked with an Identify Tool that also incorporates digital photography.

Top geospatial goals for the coming year:
1. Exportation of digital tax maps in format compatible with WV State Tax Department for reproduction and in PDF format for in office reproduction.
2. Completion of lot line, lot number, land hook, and text labeling information. Continual monthly maintenance of all parcel splits and map changes relevant to road centerlines and ortho-photography to improve georeferencing of tax parcel locations.
3. Addition of dataset information relevant to our geodatabase and continual improvement in tax map appearance. Continued improvement in data management abilities through ESRI and the exploration of the various extensions and services available for ArcGIS 9.1

Region I Planning and Development Council

Agency Name: Region I Planning and Development Council
Contact Name: Harsh Prakash, GIS Planner (hvp@regiononepdc.org)
Contact Phone: (304) 431-7225
URL: http://www.regiononepdc.org

Your agency's GIS mission statement and geographic extent for digital mapping:
Using GIS to further the Council's broader mission of providing planning and economic development assistant to Region I communities. The geographic extent for digital mapping covers Region I Counties.

For what geospatial data is your agency the primary or supplementary steward?
Geospatial data pertaining to Region I Counties.

How can the statewide geospatial community participate in or benefit from your mapping efforts? By proactively sharing geospatial data and best-practices through white-papers, workshops, and other methods.

Top 3 geospatial accomplishments in the past year:
1. Digital Flood Insurance Rate Map (DFIRM) production for Mercer and Wyoming Counties.
2. Hazard Mitigation Plan (HMP) assistance for McDowell, Mercer, Monroe, Raleigh, Summers and Wyoming Counties [http://www.regiononepdc.org/projects/hmp.html].
3. HMGP assistance for disasters #1455, #1474 and #1500 for effected Region I communities.

Top 3 geospatial goals for the coming year:
1. DFIRM production for Raleigh County. Assisting Region IV Planning and Development Council with DFIRM production for Fayette County.
2. HUD-EDI and EDA Metal Fabrication Projects.
3. Improving GIS application in Region I through training and internet-connectivity. Disaster planning and response as required.

Region V Planning and Development Council (Mid-Ohio Valley) and Wood-Washington-Wirt Interstate Planning Commission

Agency Name: Mid-Ohio Valley Regional Council (MOVRC) and Wood-Washington-Wirt Interstate Planning Commission (WWW)
Contact Name: Vincent J. Post, III (vince.post@movrc.org)
Contact Phone: (304) 422-4993 ext. 106
URL: http://www.movrc.org & http://www.triplew.org

Your agency's GIS mission statement and geographic extent for digital mapping:
The geographic extent for WWW is Wood County, WV and Washington County, OH. The MOVRC geographic extent is Calhoun, Jackson, Pleasants, Ritchie, Roane, Tyler, Wirt, and Wood Counties, WV.

For what geospatial data is your agency the primary or supplementary steward?
Basic location data of water/sewer lines, transportation information.

How can the statewide geospatial community participate in or benefit from your mapping efforts? We would be more than happy to share any information we have.

Top geospatial accomplishments in the past year:
1. Developed an Environmental Overview Study to accompany the Long Range Transportation Plan for the WWW study area (Wood County, WV and Washington County, Ohio. Maps include soils, wetlands, land use, etc.
2. Revised WWW web site and included better traffic count mapping
3. Maintaining and updating existing data

Top 3 geospatial goals for the coming year:
1. Continue to update data (transportation, water/sewer, etc.) for WWW study area and for the counties served by the MOVRC (Calhoun, Jackson, Pleasants, Ritchie, Roane, Tyler, Wirt, and Wood).
2. Continue to have geospatial data accessible through our Web sites.

Region VIII Planning & Development Council

Agency Name: Region VIII Planning & Development Council
Contact Name: Kenneth Dyche, Executive Director (kdyche@region8pdc.org)
Contact Phone: (304) 257-2448
URL: http://www.region8pdc.org

Your agency's GIS mission statement and geographic extent for digital mapping:
It is the goal of the Region 8 Planning and Development Council to be able to provide GIS assistance to the counties and municipalities of the Potomac Highlands to assist with economic and community development.

For what geospatial data is your agency the primary or supplementary steward?
Regional census data, business and economic data, and data used to produce the County's Hazard Mitigation Plans.

How can the statewide geospatial community participate in or benefit from your mapping efforts? The Region 8 Planning and Development Council will use statewide data to assist with project development within the Potomac Highlands.

Top 2 geospatial accomplishments in the past year:
1. The Council has used GIS to assist with project development within the Potomac Highlands of West Virginia.
2. The Council has used GIS to assist with presenting projects to possible funding agencies including providing mapping for project applications.
3. The Council continues to assist the five counties of the Potomac Highlands with required updates to Hazard Mitigation Plans.

Top 3 geospatial goals for the coming year:
1. Assist regional development authorities by providing statistical information on the geographical area of their labor markets.
2. Provide detailed GIS information in developing infrastructure projects for the region.
3. Assist counties and municipalities with project development and applications using GIS.

Region X Planning and Development Council (Bel-O-Mar)

Agency Name: BEL-O-MAR Regional Council
Contact Name: Rakesh Sharma (rsharma@belomar.org)
Contact Phone: (304) 242 1800
URL: www.belomar.org

Your agency's GIS mission statement and geographic extent for digital mapping:
To acquire/develop and maintain digital spatial data for use in transportation planning, grant administration and aging services. The geographic extent includes WV Region X covering Marshall, Ohio and Wetzel Counties. The Metropolitan Planning Organization (MPO) additionally functions inside Belmont County, Ohio.

For what geospatial data is your agency the primary or supplementary steward?
MPO maintains a traffic analysis zone (TAZ) layer derived from the census geography, value added TIGER files for geocoding, USGS DLG based linearly referenced (LRS) roadway centerlines and USGS DEM based slope layer. The agency acquires local data (e.g. bikeway plans) from multiple jurisdictions in the region and develops regional bistate spatial datasets.

How can the statewide geospatial community participate in or benefit from your mapping efforts? All data developed and maintained can complement statewide efforts. For example: Statewide transit route, bikeways and TAZ datasets can benefit from regional datasets. MPO experience in the development, use and maintenance of LRS can also complement any statewide initiative in this area.

Top 3 geospatial accomplishments in the past year:
1. Used GIS in mapping commodity flows though, into and out of the Bel-O-Mar region. Specific attention was paid to freight crossing Ohio River Bridges.
2. Developed a high hazard location system that facilitates spatial query for the selection and display of high hazard locations including the most hazardous one mile section within the system.
3. Implemented GPS in travel time studies.

Top 3 geospatial goals for the coming year:
1. Use SAMB centerlines as a base for Transportation Planning and migrating from DLGs to SAMB centerlines.
2. Develop seamless databases crossing two states for regional planning and economic development.
3. Incorporate intelligent transportation architecture (ITS) in GIS datasets.

Tucker County Assessor's Office

Agency Name: Tucker County Assessor's Office
Contact Name: Paul Burns, Assessor (pburns1@assessor.state.wv.us)
Contact Phone: (304) 478-3727

Your agency's GIS mission statement and geographic extent for digital mapping:
To build and maintain a mapping system compliant with E911 and the State Mapping and Addressing Board's projects.

For what geospatial data is your agency the primary or supplementary steward?
Tax Assessment for Tucker County.

How can the statewide geospatial community participate in or benefit from your mapping efforts? Completion of our primary project will result in complete and accurate maps for Tucker County. This information will be readily available for the public.

Top 3 geospatial accomplishments in the past year:
1. Completed digitizing all maps.
2. Have retained MountainCad to finish the project.
3. Gathered all information to complete project.

Top 3 geospatial goals for the coming year:
1. Complete mapping project.
2. Implement the mapping system and start printing our own maps.
3. Start correcting and updating our own maps.

West Virginia Association of Assessors — Tax Mapping Advisory Committee

Agency Name: West Virginia Association of Assessors, Tax Mapping Advisory Committee
Contact Name: Jim Priester (jprieste@assessor.state.wv.us)
Contact Phone: (304) 367-5410
URL: http://wvgis.wvu.edu/stateactivities/standardsandguidelines/tax/tax.html

Your agency's GIS mission statement and geographic extent for digital mapping:
Recently, a Tax Mapping Advisory Committee formed to revise the statewide tax mapping procedural rules which must be approved by the Property Valuation Training and Procedures Commission (PVC) and State Legislature. The Committee consists of assessors, county mappers, and other geospatial professionals from the WV Department of Tax and Revenue and other organizations.

For what geospatial data is your agency the primary or supplementary steward?
Cadastral data

How can the statewide geospatial community participate in or benefit from your mapping efforts? By aiding in the development of uniform guidelines for the maintenance, publishing, sales, exchange, and multi-jurisdictional viewing of tax maps. The new procedural rules will be written to conform to national cadastral standards, including the International Association of Assessing Officers (IAAO) Standard on Digital Cadastral Maps and Parcel Identifiers approved in July 2003; and cadastral and reference standards recently published by the Federal Geographic Data Committee's Subcommittee for Cadastral Data.

Top geospatial accomplishment in the past year:
Since December 2005, the Committee's first two meeting have been focused on updating the Statewide Procedures for the Manual Maintenance of Surface Tax Maps, WV Code Title-Series 189-04, to include guidelines for the maintenance and publishing of digital tax maps.

Top geospatial goal for the coming year:
1. Update Statewide Procedures for the Maintenance and Publishing of Surface Tax Maps to include digital mapping guidelines.
2. Review and update procedural rules for Tax Map Sales, WV Code Title-Series 189-05.

West Virginia Society of Professional Surveyors

Agency Name: West Virginia Society of Professional Surveyors
Contact Name: Jeffrey L. Stephens, PS (jls@jlstephens.com)
Contact Phone: (304) 645-1052
URL: http://www.wvsps.org/

Your agency's GIS mission statement and geographic extent for digital mapping:
Recognizing that the service to the public and the land surveying profession is a fundamental obligation of the Professional Land Surveyor, the West Virginia Society of Professional Surveyors dedicates itself to the promotion and protection of the profession of land surveying as a social and economic influence vital to the welfare of the community and the State of West Virginia.

For what geospatial data is your agency the primary or supplementary steward?
As stewards of the profession of surveying and the interests of the land owning public, it is our interest to assure that proper procedures and policies are in effect concerning the collection and dissemination of cadastral, topographic, and geographic data.

How can the statewide geospatial community participate in or benefit from your mapping efforts? To assure that proper statewide legislation and administrative policies and procedures are in effect protecting the welfare of the public in regards to geographic information. These safeguards can be established by maintaining healthy dialogs with common stakeholders.

Top 3 geospatial accomplishments in the past year:
1. Strengthening our communications with the GIS community and governmental representatives regarding the betterment of West Virginia's land information system.
2. Successfully providing continuing education seminars and workshops to surveyors, associated professionals and technicians.
3. Individual Chapter projects such as; the location of the 2000 Census, West Virginia center of population monument, County boundary line monumentation project, and numerous Chapter sponsored continuing education seminars and workshops.

Top 3 geospatial goals for the coming year:
1. Establishing regular forum discussions involving all stakeholders in effort to improve the structuring of West Virginia's land information system.
2. Establish college level curriculum within the GIS field, which meets also the statutory requirements to become a professional surveyor in the state of West Virginia.
3. Offer more GIS orientated seminars and workshops.