2004 WVGIS Agency Roll Call

WV GIS Conference and Workshops

Final Report

October 2004

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

Table of Contents

Regional and Local Agencies

OFFICE OF STATE GIS COORDINATOR
WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY

BOB WISE
GOVERNOR

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

CRAIG A. NEIDIG
COORDINATOR

October 10, 2004

Dear Reader:

The document in your possession contains the latest synopsis of GIS activities compiled for the Mountain State. It was originally prepared for the 2004 West Virginia GIS Conference and Workshops, hosted by the West Virginia GIS Technical Center at West Virginia University in May 2004. It represents the most comprehensive survey of this type since 1993, when Plangraphics, Inc. submitted the original West Virginia GIS Development Plan. That plan in turn led to the creation of a formal state GIS program in 1995. As we approach the 10 year anniversary of the State GIS program, together we can look back on many accomplishments, such as the completion of the statewide DLG project, NAPP and DOQQ program, the creation of the 1:24000 NHD, and the statewide addressing project, just to name a few. However, as we all know there is still much hard work that needs to be done, and many challenges still to overcome.

This synopsis provides a guide for future state GIS discussions and planning. It is my hope that this document will also serve as a starting point as we formulate the strategy, direction and organization of the GIS program over the next ten years. 2005 will be a critical year for West Virginia GIS, as we educate a new administration and continue to build political awareness with the legislature and with local and county officials about the benefits of using geospatial technology. With the added responsibilities of national security in a time of decreasing budgetary resources, cooperation and coordination with our federal partners will be even more important than in the past. The private sector has an increasing societal responsibility, as well as an economic opportunity, to assist in the long-term sustainability of the state GIS program, especially at the county level.

I wish to thank the staff of the West Virginia GIS Technical Center, especially Dr. Trevor Harris, Dr. Greg Elmes, and Kurt Donaldson, for their hard work, perseverance, and dedication in organizing this year's conference and making this document possible.

I am especially grateful all my GIS colleagues for your contributions to this document. I look forward to meeting with you and continuing to work with all of you in the years to come.

Sincerely,

Craig A. Neidig
WV GIS Coordinator

Environmental Protection Agency

Agency Name: Environmental Protection Agency - Region 3
Contact Name: Doug Ross (ross.doug@epa.gov)
Contact Phone: (304) 234-0281
URL: http://www.epa.gov

Your agency's GIS mission statement and geographic extent for digital mapping:
The EPA Region 3 GIS Team provides high-quality cartographic support along with spatial display and query applications in support of the region's environmental scientists studying a wide range of problems and issues. EPA Region 3 consists of the states of DE, MD, VA, WV, PA and the District of Columbia. In addition, the Wheeling Field Office supports EPA's geospatial efforts in Appalachia including Mountaintop Mining/Valley Fill and GIS support of the EPA Fresh Water Biology Team.

For what geospatial data is your agency the primary or supplementary steward?
EPA Region 3 serves as a supplementary data steward for point locations of EPA Regulated Facilities (e.g. CERCLA, RCRA, TRI, NPDES) and the National Hydrography Dataset (NHD). The Wheeling Field Office Freshwater Biology also maintains macro-invertebrate and fisheries databases that are shared with state agencies throughout EPA Region 3.

How can the statewide geospatial community participate in or benefit from your mapping efforts? EPA Region 3 welcomes dialogs with all WV 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.

Top 3 geospatial accomplishments in the past year:
1. GIS and mapping support for the Monongahela River Basin Mine Pool Project.
2. Stony River Watershed Mapping for the Mount Storm 316(a) Project.
3. Development of and detailed GIS and mapping support of the Wheeling Field Office fisheries and macro-invertebrate databases collected through field work by the Fresh Water Biology Team.

Top 3 geospatial goals for the coming year:
1. Cooperation with EPA Region 5 (Chicago) in support of environmental studies in the Ohio River Basin.
2. Continued analysis and GIS support of fisheries data in the Monongahela River Basin
3. GIS support of the Headwater Intermittent Streams Study (HISS) at Cooper's Rock State Forest

Farm Service Agency

Agency Name: USDA, Farm Service Agency
Contact Name: Bob Ferrebee (Robert.Ferrebee@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 integrated easily 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 S&K Technologies (SKT) and Positive Systems team was recently awarded an additional contract with the U.S. Department of Agriculture (USDA). The contract is valued at approximately $1.4 million and is associated with the USDA's ongoing implementation plan to facilitate computer mapping (Geographic Information Systems) at their 3,000 field offices. The work associated with this contract is scheduled to be completed in 2005. 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. Similar to past contracts, the latest award calls for the delivery of a variety of digital mapping products including aerial photography and field boundary line drawings specific to the states of Georgia and West Virginia. 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. Positive Systems' DIME® and GeoCLU™ software are key tools in delivering these products in the manner specified by the USDA. http://www.matr.net/article-11997.html

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/fhm/mm_main.shtm AND http://store.msc.fema.gov/

Your agency's GIS mission statement and geographic extent for digital mapping:
The primary goals of Map Modernization are to reduce the loss of life and property, minimize suffering and disruption caused by disaster, and better prepare the Nation to address the consequences of flooding and other hazards. Geographic extent is all states and territories.

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. FEMA will consider using countywide street files or aerial photography for our base maps so that our flood zones match with local GIS systems. We want to make use of the latest elevation information so that the delineation of flood zones can be as accurate as possible.

Top 3 geospatial accomplishments in the past year:
1. New nation-wide Map Modernization contract signed
2. First round of Map Modernization work contracted
3. Working to build state and local partnerships

Top 3 geospatial goals for the coming year:
1. Have digital data available for 20% of US population
2. Involve state and local partners in the flood study process
3. Leverage existing data as much as possible

Digital Flood Insurance Rate (DFIRM) Map Modernization status:

1. FEMA plans to have the entire state with preliminary or effective DFIRMs by 2009.
2. *Underway* (contract issued): Logan, Ohio, Putnam, Raleigh, Wyoming, Berkeley, Jefferson, Monongalia; *Preliminary* (initial production done): Cabell, McDowell, and Mercer; *Effective* (official FIRM): Hampshire, Monroe, and Jackson.
3. DFIRM Map Partners: Region 1 P&DC (with assistance from Marshall Miller & Associates), USGS-West Virginia, AMEC, USACE-Huntington District, USACE-Pittsburgh District, WV GIS Technical Center at WVU, Cabell County Assessor's Office, Raleigh County Assessor's Office, and Canaan Valley Institute. Michael Baker Corporation has been awarded a national DFIRM contract.

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 is 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 the Youghiogheny.

For what geospatial data is your agency the primary or supplementary steward?
The Forest Service was 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 regional 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 (70%)
    b. Acquired 1:15840 Panchromatic Aerial Photography for entire Forest
    c. Acquired 1-meter natural color Pro-level IKONOS satellite imagery (approx 800 km2)
    d. Incorporated newly-acquired lands into base ALP layer (approximately 8,000 acres)
    e. Consolidated Forest data with correlated FGDC-compliant metadata for Forest Plan Revision
    f. Updated Forest system trails with global positioning system (GPS) data (approximately 300 miles)
    g. Completed the National Hydrography Dataset (NHD) for those eight 4th level hydrologic units that touch the Forest
2. Project and Staff Support (e.g., includes technical expertise, analytical and map products):
    a. NEPA Compliance
    b. Forest Plan Amendment (completed)
    c. Forest Plan Revision (FPR) in-progress
    d. Initiated Forest Visitor Map (FVM) revision process (a two-year project)
    e. Special needs (i.e., gypsy moth infestation, ice damage, fires, etc.)

3. Training/Conferences:
    a. Introductory and Advanced ArcGIS – GIS staff (4) and Professional staff (12)
    b. ArcView – Professional staff (12)
    c. ESRI User Group Meetings – San Diego, Washington DC, and Beckley, WV

Top 3 geospatial goals for the coming year:

1. Data Management:
    a. Compliance with National Standards
    b. Conversion to NAD 83
    c. Transition to ArcSDE and geodatabases
    d. Implementation of Natural Resource Information System modules
2. Project Support:
    a. NEPA Compliance
    b. Forest Plan Revision
    c. Professional staff assistance, as needed
3. Training
    a. Introductory and Advanced ArcGIS – Professional staff (30+)
    b. Virtual Training from ESRI campus – GIS and Professional staff (35+)

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: Laura Pickens (laura_pickens@nps.gov), Andrew Steel (andy_steel@nps.gov)
Contact Phone: (304) 465-6557, (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 (Geographic Information System) 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 (Global Positioning System) 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. We acquired spring and fall 2003 aerial photography for the three parks and had the spring photos orthorecitified and georeferenced.
2. Produced all geospatial data needed for work on the Gauley River National Recreation Area Development Concept Plan (still in progress). Such things as roads, trails, ownership, a viewshed analysis, and current facilities were completed.
3. Acquired, compiled, and organized all data potentially needed for use in the upcoming New River Gorge National River General Management Plan Review. All available public data was gathered. Some new data was created including the purchase and georeferencing of historical photography and scanning of historic maps.

Top 3 geospatial goals for the coming year:
1. 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.
2. We have a contractor working on a current vegetation layer for the New River Gorge NR. We should have preliminary data in October 2004 and a final in the next year or so.
3. Mapping of trails and facilities within the park. Updating of roads layers for the New River Gorge NR.

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.

Top geospatial accomplishments in the past year:
1. Completed 6th level sub watershed delineations for West Virginia in cooperation with NRAC, CVI, USFS and USGS.
2. As part of the delineation of the 6th level sub watersheds, the 5th level watershed data was revised to ensure compliance with the published watershed definition.

Top geospatial goals for the coming year:
1. Migrate county offices from ArcView to ArcGIS.

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.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?
Soils, NAPP digital orthophotography, watershed boundaries, National Resource Inventory (NRI).

How can the statewide geospatial community participate in or benefit from your mapping efforts? 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. Provided $375,000 in funding to WV-SAMB for digital orthophotography acquisition.
2. Funded $12,500 cooperative agreement with USGS for development of 10 meter DEMs.
3. Provided comprehensive DOQQ imagery coverage to WV-GISTC for free web-based distribution.

Top 3 geospatial goals for the coming year:
1. Transition to ArcGIS 9.
2. Finish SSURGO development by 2007.
3. Acquire additional elevation data wherever possible.

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. Completion of the count of known structures in the known 100 year FEMA floodplain for the state.
2. All basins in the district are either completed or in production to use the new HEC hydrology packages. We've begun for on completing the FIA portions so that as soon as the mapping from WV is on line, we can begin updating our flood inundation analysis figures.
3. Began a reorganization of the entire GD&S system in the district, bringing it in line with current USACE philosophies of business organization and best practices of other GD&S organizations. This should be completed by the end of the year.

Top 3 geospatial goals for the coming year:
1. To continue and complete the previously described missions and create FIA packages in the Muskingum Basin of Ohio.
2. There will be a reorganization of the entire GD&S structure in the district, bringing it in line with current USACE business practices as well as best practices of other GD&S organizations. This should be completed by the end of 2004.
3. 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.

U.S. Army Corps of Engineers — Pittsburgh District

Agency Name: U.S. Army Corps of Engineers, Pittsburgh District
Contact Name: Thomas Cecere (Thomas.H.Cecere@USACE.ARMY.MIL)
Contact Phone: (412) 395-7369
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:
1. Obtained Geospatial Data on the Ohio River for the purpose of updating the Ohio River Inland Electronic Navigational Charts. Data included docks, mooring cells, riprap, detailed lock information, lights, navigationally significant smokestacks, aerial towers, water towers, and storage tanks.

Top 3 geospatial goals for the coming year:
1. Further refine the Ohio River Inland Electronic Navigational Chart database.
2. In conjunction with FEMA, produce digital FIRM maps for Ohio County, WV.
3. Coordinate with reservoir managers at Stonewall Jackson and Tygart Lake areas to acquire geospatial information for shoreline management, emergency management and dam safety program purposes.

U.S. Census Bureau — Geography Division

Agency Name: U.S. Census Bureau — Geography Division
Contact Name: Al Pfeiffer (alfred.h.pfeiffer@census.gov)
Contact Phone: (301) 763-8631
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 the Census Bureau's programs to continuously update the features, boundaries, and geographic entities in its nationwide, automated geographic support system called TIGER and its 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 347 counties and started production on an additional 432 counties.
2. Released the Census Bureau's national geospatial inventory, the TIGER Enhancement Database (TED), to the State GIS coordinators and Federal agencies responsible for collecting geospatial data.
3. Hosted a Federal multi-agency meeting on use of imagery with representatives from FEMA, NGA, NOAA, USDA, USGS and Census, to facilitate the exchange of data on what imagery sources were available for use amongst the represented agencies.

Top 3 geospatial goals for the coming year:
1. Complete the 2004 fiscal year TIGER file realignment goal of 600 counties and begin the 2005 fiscal year production for 700 counties.
2. Acquire 300 Tribal/State/Local GIS source files to use in the TIGER file realignment.
3. Begin "feedback" to local GIS source providers who supplied GIS files used for TIGER enhancement and the flow of enhanced TIGER files to the USGS for use in the National Map.

U.S. Department of Homeland Security — National Geospatial Intelligence Agency

Agency Name: National Geospaital Intelligence Agency's
Contact Name: Rex Tugwell (tugwellr@nima.mil)
Contact Phone: (703) 262-4242
URL: http://www.nima.mil/portal/site/nga01/

Your agency's GIS mission statement and geographic extent for digital mapping:
Using *The National Map* as our base, the Homeland Security Infrastructure Program (HSIP) will combine all National Geospaital-Intelligence Agency's (NGA) commercial imagery, geospatial data, and geospatial intelligence products integrated into a single, integrated database. Once developed, the HSIP will support the Department of Homeland Security's mission and enable NGS, the USGS, and other key players in the Intelligence Community and the Federal Government to fulfill their Homeland Security missions.

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? Sharing information so that all partners involved in Homeland Security operate from a common frame or reference; promoting the more effective use of available resources; designing custom products to promote situational awareness; supporting vulnerability assessments of critical infrastructure; supporting the efforts of law enforcement agencies during national special Security Events and other special events; supporting the efforts of Lead Federal Agencies to respond to and recover from major natural or terrorist-caused disasters.

Top geospatial accomplishments in the past year:
1. 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 geospatial goals for the coming year:
1. 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.
2. 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. Fish and Wildlife Service — Ecological Services Office

Agency Name: U.S. Fish and Wildlife Service — Ecological Services Office, Elkins, WV
Contact Name: Leah Ceperley (Leah_Ceperley@fws.gov)
Contact Phone: (304) 636-6586
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. 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 is the official vehicle for geographic names use by the Federal Government and the source for applying 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.

Top 3 geospatial accomplishments in the past year:
1. Created and deployed the geographic feature names geospatial data layers in The National Map through the USGS Eastern Region map service.
2. Implemented an XML web service and applied it to the gazetteer (Find Place) search in The National Map viewer.
3. Coordinated with WV GIS Tech. Center to begin developing a comprehensive 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 in The National Map.
3. Coordinate and reconcile feature names data with other layers in The National Map

U.S. Geological Survey — Geography Discipline

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:
Building, maintaining, and enhancing The National Map for 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 National Map. 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 Map. The National Map provides access to data via the internet by working with partners.
2. Developed MOUs to support partnerships and collaboration with organizations and agencies in many areas of the U.S. including West Virginia.
3. Developing partnership with West Virginia to support processing of WV SAMB elevation data into a gridded format that will be available for various applications.

Top 3 geospatial goals for the coming year:
1. Continue development of technology and programmatic capabilities of The National Map.
2. Continue working with federal, state, and local agencies to explore development of partnerships for building The National Map.
3. In West Virginia, continue to promote partnerships with appropriate agencies to bring the WV SAMB data into The National Map.

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 as a whole, we contribute to the National Map datasets. For the USGS-WRD, GIS data relating to water resources research, such as surface water station points and added data, groundwater monitoring sites, model inputs and outputs.

How can the statewide geospatial community participate in or benefit from your mapping efforts? The geodatasets 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, landuse scenes or grids, orthophotos, and so on.

Top 3 geospatial accomplishments in the past year:
1. Production of 4 revised engineering studies for FEMA on sections of Buffalo Creek, Poplar Fork, Mill Creek, and Heizer Creek in Putnam county and Putnam county-wide DFIRM geodatabase.
2. Groundwater modeling GIS data development for 4 MODFLOW study areas in West Virginia—Point Pleasant, Lubeck, Parkersburg-Vienna, and Washington Bottom.
3. Hydrologic Simulation Program in Fortran—model development using EPA's BASINS software (arcview 3.3) to produce model files for use in watershed modeling project in the CHIA basins for WVDEP-Mining.

Top 3 geospatial goals for the coming year:
1. Morgan County groundwater project.
2. Low flow calculation for unregulated streams in West Virginia—model input geodatasets.
3. Leetown Science Center geohydrology and modelling.

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 geographic information 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 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. Worked with the WVU GIS Technical Center to update 892 WV National Register sites and have them printed on to 225 USGS topographic maps.
2. Digitized approximately 90% of the archaeological sites and surveys. Developed a "Release of Archaeological Information" form.
3. Organized architectural inventory so that digitizing can be completed. To date, approximately 20,000 sites have been mapped.

Top 3 geospatial goals for the coming year:
1. Complete digitizing of archaeological and architectural sites.
2. Migrate from ArcView 3.3 to ArcGIS. Upgrade hardware throughout SHPO. Working with Division on the GIS component for the new website.
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: Victor Dumrongkietiman (VSDumrongkietiman@wvsp.state.wv.us)
Contact Phone: (304) 558-2600
URL: http://www.wv.ngb.army.mil/home_page.htm

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, and to provide law enforcement officials with a quick reference map 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 can benefit from access to other agencies' geospatial datasets.

Top geospatial accomplishments in the past year:
1. Just starting GIS program. Currently attending training.

Top geospatial goals for the coming year:
1. Help make WV more secure by plotting terrorist and criminal events, with reference to critical infrastructure.
2. Analyze data for possible trends or high-risk areas.
3. Establish a good buildup of geospatial data for future use.
4. Complete a school geographic database consisting of collected GPS points for over 900 public and private schools. The WV Counter Drug Task Force is doing this task.

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 more 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. Successfully migrated all WVCA vector and raster data to ArcSDE, and started development on our ArcIMS server. We have also began to equip all of our field staff with HP iPAQ 5555 PDAs running ArcPad 6.x to streamline our data capture techniques.
2. Our Watershed Specialist, Kimberly Becher, has made substantial progress on digitizing the inundation areas and flood pools of WV's 168 flood control structures throughout state. Projected completion date is May 1, 2004.
3. WVCA recently completed the Hardy County Water Resource Assessment, where we determined the possible effects on groundwater usage in the county relating to the construction of Corridor H due to added growth the county has experienced in recent years.

Top 3 geospatial goals for the coming year:
1. Complete our ArcIMS server aimed at distributing real time flood recovery progress and associated data to the state Legislature and WVCA staff. The server will also be available to distribute basic spatial data to the public such as DOQQ / DRG / Cultural resources.
2. Begin development of water resource studies for Morgan, Berkeley, Hampshire, and Jefferson counties relating to ground water usage.
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.

Top geospatial goal for the coming year:
In coordination with the USDA, WV Office of Emergency Services, WVU GIS Technical Center, and other partners, implement and maintain a phased-in national animal identification system for West Virginia.

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 beechbark disease in the forests of WV.

2. Mapped damaged caused by insects (gypsy moth, looper and other defoliators). This defoliation information is used to assess the overall health of WV forests.

3. Developed and instituted a data collection program to track Sudden Oak Death (SOD) surveys in WV. This SOD survey was used as a model for national surveys conducted by the USDA-FS.

Top 3 geospatial goals for the coming year:
1. Develop aerial sketchmapping system. This will integrate aerial photos, DRGs, and other imagery into a system for use in small aircraft. This will enable digitizing defoliation directly into ArcView in real-time.

2. Develop PDAs forms for data collection. These forms will be built in ArcPad and will be specifically built for forest-health surveys.

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@mail.dep.state.wv.us)
Contact Phone: (304) 759-0564
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 spatial archive.

For what geospatial data is your agency the primary or supplementary steward?
In West Virginia WVDEP pioneered spatial data archiving and providing free geospatial data, interactive mapping, and GPS correction information at no cost to everyone via the Internet. We shall continue this tradition of free public access to private and corporate citizens and to city governments, county governments, other state Agencies, and federal government partners.

How can the statewide geospatial community participate in or benefit from your mapping efforts? They 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 130 by developing our first custom Visual Basic/ArcObjects geospatial application. 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 5 locations in the State using the custom built application.
2. Succeeded in funding purchase of a contiguous block of high resolution elevation data spanning nine counties in the southern coal fields. Three deliverables will be added to the Agency's spatial data archive by the end of June 2004. The products include delivered orthorectified radar images (ORIs), digital surface models (DSMs) and digital terrain models (DTMs) of all the quadrangles in Boone, Fayette, Kanawha, Logan, McDowell, Mingo, Nicholas, Raleigh, and Wyoming Counties. The data is licensed and the Agency cannot freely share this resource.
3. Significantly improved the Agency's interactive mapping available via WVDEP's GIS WWW server (http://gis.wvdep.org). Added the ability to query significantly more information related to pre-1977 mining sites that fall under WVDEP's Office of Abandoned Mine Lands & Reclamation. Provided the ability to display statewide aerial photography from the 1996-98 DOQQ project as a basemap.

Top 3 geospatial goals for the coming year:
1. To integrate E911 ortho photography and 3-D point, vector, and polygon coverages into WVDEP's extensive spatial data archive. Extend the use of this data to all WVDEP users. Begin modifying existing IMap application to display new data on Agency's WWW site.
2. Complete development of new, custom built geospatial applications for the Offices of Abandoned Mine Lands & Reclamation and Special Reclamation pushing Agency GIS users to about 200 people.

3. Provide on demand ability to collect 4-band digital aerial imagery at any site in calendar year 2004. Scale of photography will range from 2003 E911 flight (1"=400') resolution to higher resolution digital data better supporting engineering evaluations.

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: Andrea Burnett (andreaburnett@wvdhhr.org) or 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.

Top 3 geospatial accomplishments in the past year:
1. We used coordinate mapping of West Virginia rabies positive animal cases and surveillance data to track the westward front of the Raccoon Strain Rabies epizootic (an epidemic in animals) in and to monitor the effect of The Oral Rabies Vaccination Project in West Virginia.
2. We began the use of GIS coordinate mapping of all positive West Nile birds and posted this information on our website to for Local Health Departments to use in West Nile surveillance and control activities. In addition, we used coordinate data to track mosquito surveillance sites around the state.
3. We began to map LaCrosse encephalitis cases with GIS coordinate data.

Top 3 geospatial goals for the coming year:
1. Continue coordinate mapping for rabies and arbovirus animals surveillance.
2. Enhance GIS capacity in zoonotic disease surveillance at the local level through the use of and familiarization with free CDC software (Epi Map).
3. Enhance GIS capacity in arbovirus (focusing on West Nile and LaCrosse encephalitis) monitoring and the associated mosquito surveillance.

WV Department of Health and Human Resources — Health Care Authority

Agency Name: WV Department of Health and Human Resources – Health Care Authority
Contact Name: Penney Baughman (pbaughman@hca.wv.org)
Contact Phone: (304) 558-7000 ext. 235
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. Geographic maps and spatial analysis of health-related information for State health planning.
2. Essential Services Project – Utilized spatial statistics to determine if adequate essential services are available in communities of varying population size.

Top 3 geospatial goals for the coming year:
1. WV Indicators Project – Employing mapping services to determine where patients are going for care, and matching this geographic information to the availability of health facilities and professionals offering these services.
2. Update and expand inventories of health care facilities and professionals.
3. Disease specific analysis.

WV Department of Tax and Revenue — Property Tax Division

Agency Name: Property Tax Division
Contact Name: Chuck Barlow (cbarlow@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, it all becomes public info – everybody goes home happy. 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. Application of parcel and coal ownership data to parts of Kanawha, Boone, Wetzel, and Marshall counties.
2. Revamp of coal quality mapping for the entire state.
3. Digitization of surface parcels for portions of Barbour, Doddridge, Greenbrier, and Lewis counties.

Top 3 geospatial goals for the coming year:
1. Application of parcel and coal ownership data to parts of Boone, Mingo, Preston, Monongalia, and Marion counties.
2. Digitization of surface parcels for Randoplh, Upshur, Lewis, and Doddridge counties.
3. 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: David Maner (dmaner@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:
The WVDOT plans, designs, builds and maintains more than 34,000 miles of state roads.

For what geospatial data is your agency the primary or supplementary steward?
Transportation networks and facilities to include roads, trails, railroads, waterways, airports, bridges and tunnels.

Top 3 geospatial accomplishments in the past year:
1. Rahall Transportation Institute estimated the cost to complete the Appalachian Development Highway System in the state of West Virginia.
2. Provided $850,000 to WV State Addressing and Mapping Board to enhance statewide digital terrain model.
3. Every 2 years WV DOT videologs expressways to satisfy the Federal Highway Administration's Highway Performance Monitoring System (HPMS). GPS and gyroscopes are used to collect coordinates during the videologging of pavement infrastructure. The most recent contracted service to Roadware Group Inc. should be delivered in May 2004.

Top geospatial goals for the coming year:
1. Michael Baker Engineering, Inc., contracted to generate digital cartographic maps of WV DOT's existing General County Highway Map series.
2. Increasing video logging to all state highways.

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: Joel E. Harrison II (jharrison@dnr.state.wv.us)
Contact Phone: (304) 637-0245 ext 2025
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 3 geospatial accomplishments in the past year:
1. Developed GIS datasets to assess the impact of forest fires on the flora and fauna of forest communities, estimated future fire risks and established potential impact on wildlife in the West Virginia.
2. Completed the WV DOF Forest Fire Database and identified locations of Forest Fire protection units.
3. Document land discrepancies and forest practices on selected State Forests.

Top geospatial goals for the coming year:
1. Forest Stewardship Spatial Analysis joint project with USFS, WVU and DOF to spatially assess and analyze the status and distribution of existing Forest Stewardship plans in West Virginia.
2. Continuation of Forest Resource GIS database development and support.

WV Division of Natural Resources

Agency Name: WV Division of Natural Resources
Contact Name: Joel E. Harrison II (jharrison@dnr.state.wv.us)
Contact Phone: (304) 637-0245 ext 2025
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 73 Wildlife Management Areas (~343,609 acres), wildlife species and habitat information, hunting, fishing and other outdoor recreational activities.

How can the statewide geospatial community participate in or benefit from your mapping efforts? DNR 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. "Identification of Stream Restoration Needs and Sites" project:
    - classified riparian conditions for over a third of West Virginia's perennial streams using remote sensing techniques with aerial photography.
2. "Upper Shaver's Fork Stream Mapping" project:
    - completed 15 miles of geomorphic stream mapping using total station and GPS to collect baseline data for stream restoration project.
3. Awarded "West Virginia Geographic Information System Development" project:
    - created DNR's GIS network consisting of a GIS application server and Microsoft SQL 2000 server to administer data for watershed and wetland protection activities in West Virginia.

Top 3 geospatial goals for the coming year:
1. Continuation of the West Virginia Geographic Information System Development project by utilizing ArcGIS 9 and further developing and enhancing the agency's Microsoft SQL 2000 database with ArcSDE to improve remote access to DNR's GIS data.
2. Develop GIS applications and analyses for Comprehensive Wildlife Conservation Plan (CWCP), State Wildlife Grants (SWG), Habitat Conservation Plans (HCP) and Landowner Incentive Programs (LIP) programs that benefit game- and non-game wildlife and their habitat in West Virginia.
3. Continuation of natural resource GIS database development and support.

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 agency is responsible for maintaining basic geologic and mineral resources data for the State. Our goal is to distribute this data to the public and make it available in a GIS format whenever possible.

For what geospatial data is your agency the primary or supplementary steward?
For coal, we are creating GIS features representing coal bed extent, elevation, thickness, and mined areas funded by the state under the Coal Bed Mapping Project (CBMP). For oil and gas, we maintain basic well information including location, completion, stratigraphy, pays, and production data. We also create 7.5' geologic maps for WV as a cooperative project with USGS. In addition, the Survey maintains an archive of historical maps and aerial photography, much of which is available digitally.

How can the statewide geospatial community participate in or benefit from your mapping efforts? We actively seek cooperative partnerships. Our data is 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 oil and gas exploration. In the past, the Survey's data has been used to locate and evaluate waste disposal sites, to identify domestic water sources, to identify problems associated with replacement wetlands, to educate teachers, to conduct baseline geochemical surveys and to 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.

2. Significantly increased the amount of GIS-ready data available to the public on CD and through our Interactive Map Server (IMS), such as oil and gas data, coal maps, historical maps and geologic maps. We standardized a format for geologic maps and data on CD.

3. Software upgrades and development centering around Oracle, ArcGIS, ArcSDE and Java allowed greater flexibility to query and display oil and gas well data; production of a new page-size map of oil and gas fields now available on the agency's web site; and the migration of many CBMP processes from Workstation ArcInfo to ArcGIS.

Top 3 geospatial goals for the coming year:
1. Develop new applications to improve data availability to the public. We plan to implement a spatial querying front-end for IMS, and create new IMS services for underground mine maps, oil and gas well data, and the Survey's Gazetteer.

2. Increase the amount and quality of GIS data available; specifically, coal bed maps in southern WV, the precision of oil and gas well locations, and historical maps in digital format. We also

plan to publish four geologic maps of Canaan Valley and to work on four new geologic quadrangles.

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 interactive correlation of 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 to 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, for mapping/GIS applications such as tax parcel mapping, boundary and cadastral 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 addressing 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, to correct voting precinct boundaries, improve hazard mitigation and emergency response, and implement Phase 2 wireless, etc.

Top 3 geospatial accomplishments in the past year:
1. Chaired the WV Statewide Addressing and Mapping Board (WVSAMB), which successfully developed three major RFP's and awarded three contracts for project management, aerial photography and data development, and addressing, in support of delivering Enhanced 9-1-1 services to the citizens of West Virginia.
2. Worked with the WV GIS Technical Center to successfully develop agreements with FEMA as a Cooperating Technical Partner, USGS for the National Map, DHS for critical infrastructure development, and USDA-Forest Service and USGS-WRD (Charleston) for 7.5' quad revisions.
3. Promoted the merits and success of the WV GIS program at national meetings and conferences for organizations such as the FGDC, NSGIC, ASPRS, and URISA.

Top 3 geospatial goals for the coming year:
1. 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.

2. Strengthen the state GIS program through legislative and administrative initiatives, such as the formalization of the State GIS Steering Committee, identification of sustainable funding sources, increased interagency cooperation and coordination, vocational and educational training, strategic planning and standards development, etc.
3. Increase outreach and educational awareness with local, county and state officials, the legislature and administration, and private sector (utilities, telcos, etc.) regarding the importance of their political support and long-term funding of a statewide GIS program.

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 and working hand in hand with both the Senate and House of Delegates Redistricting Committees, redraw the Senate, House of Delegates, and Congressional District Boundaries. The office examines the constitutionality of the plans. The office also pulls demographic information for members as well as other agencies and constituents and can display this in map format as well as clip to significant areas of interest geographically.

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 United States Geographic 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 bar graphs as well pie charts with any specific data.

Top 3 geospatial accomplishments in the past year:
1. Geocoding Zip + 4 into our database.
2. Layering 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. Created GIS maps for the counties of West Virginia with specifics to realign their Magisterial District Boundaries with respect to the new populations from the 2000 Census.

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 Emergency Services

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.state.wv.us/wvoes

Your agency's GIS mission statement and geographic extent for digital mapping:
Maintain a statewide Geographic Information System that marshals all available information pertinent to emergency response, crisis management, and counter-terrorism at the state level.

For what geospatial data is your agency the primary or supplementary steward?
Critical infrastructure data necessary to life support throughout the state, as well as Fire, EMS, HazMat, and DOD based response units.

How can the statewide geospatial community participate in or benefit from your mapping efforts? Participation can be provided in the form of generating new geospatial data for various critical infrastructure, data maintenance, and security partnering with WV OES and the WV GIS Technical Center. Benefits include member access to the latest critical infrastructure data for planning, resource analysis, emergency response, and crisis management during state emergencies.

Top 3 geospatial accomplishments in the past year:
1. Established necessary GIS software and hardware requirements for mapping and analysis functions specific to the mission of emergency management.
2. Established legal documents in response to information requests for sensitive critical infrastructure geospatial data, to ensure uniform review procedures, and legally binding rules for the use of sensitive geospatial data.
3. Contacted and met with other state agencies for the establishment of geospatial partnering necessary for data generation awareness and exchange.

Top 3 geospatial goals for the coming year:
1. Establish across the board standardized review and non-disclosure procedures for state agencies producing sensitive critical infrastructure geospatial data.
2. Establish a defined chain-of-command for the dissemination of sensitive geospatial data to Federal level agencies and the Department of Homeland Security.
3. Work with, and in support of, all Department of Military Affairs & Public Safety agencies to develop GIS capabilities in support of agency mission and for improved services.

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 maps we deliver for permanent archiving 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 completed statewide digital mining atlas, showing the location of all active West Virginia deep mines, surface mines, plants/tipples, impoundments, and quarries on an indexed, seamless, USGS digital base map. This map is queriable, scalable, editable, and fully GPS navigable/routable, using a laptop or PDA running Delorme XMap.
2. Have received funding from US Department of Labor, MSHA to expedite the recovery, cataloging, and archiving of old underground mine maps.
3. Using sub-meter GPS, geo-referenced digital mine maps, and navigable surface maps this agency has new capabilities to navigate to specific surface locations to perform investigations over targeted mine features.

Top 3 geospatial goals for the coming year:
1. Hire 6-7 temporary personnel by early summer to accelerate collection, processing, and archiving of old mine maps not currently in the Mine Map Repository.
2. Acquire additional hardware and software to facilitate GIS, engineering, and data management capabilities.
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.

Top geospatial accomplishment in the past year:
1. We visited the Kentucky Public Service Commission's GIS system a couple of years ago to look at their GIS system. The Kentucky Public Service Commission GIS site provides information pertaining to electric, natural gas, telecommunications, and water and sewer utilities in Kentucky. Kentucky's GIS website: http://psc.ky.gov/agencies/psc/gis_2002/gis_web/psc/gis_home.htm

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.

Top geospatial accomplishment in the past year:
The WV GIS Technical Center created GIS files for State Police Detachments and State Police Communication Towers.

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 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, corrected voting precinct boundaries, hazard mitigation and emergency response, and Phase 2 wireless, etc.

Top 3 geospatial accomplishments in the past year:
1. Statewide aerial photography and digital ortho production and compiliation of planimetric features (road centerlines, hydrography, structure centroids and footprints, elevation) at 1:4800 scale.
2. Hiring of addressing contractor to complete statewide address conversion.
3. Obtained $350,000 of federal cost-share funding from USDA (NRCS and FSA) to support the development of and public access to the SAMB's orthophotography and $850,000 from West Virginia DOH to support transportation-planning projects.

Top 3 geospatial goals for the coming year:
1. Obtain additional federal funding to help support the development and long-term maintenance of the SAMB database to support the National Map, FEMA map modernization, Census 2010, etc.; seek private sector funding assistance (e.g., utilities, real estate, developers, delivery services, etc.
2. Develop data management policy for SAMB data including issues such as data restrictions and security, fees or other cost-recovery options, licensing issues, etc.
3. Continue public outreach and educational campaign with local, county and state officials, and private sector (utilities, etc.) regarding importance of addressing project

Canaan Valley Institute

Agency Name: Canaan Valley Institute
Contact Name: Matt Sherald (msherald@mail.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. Development of a GIS tool to support Landtrust activities in the Cacapon and Lost River Watersheds. This GIS tool is the outgrowth of a workshop conducted during the summer of 2002 at which watershed residents and outside experts met to discuss criteria which might qualify certain property parcels as being more desirable for protection through easement. The Cacapon and Lost River Landtrust Decision Support tool is an extension and custom project for ArcView 8.3. The tool is designed to help the Landtrust prioritize the purchase of easements. NRAC at WVU worked under contract to develop this product and also participated extensively in the original workshop.
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. Aquired and calibrated an AISA+ hyperspectral scanner. This sensor was purchased in the summer of 2003 and has been undergoing testing and calibration. This upcoming year will be the first full leaf-on flying season. Several projects are in the cue including data acquisition to support mapping of invasive species, water quality, and riparian condition.

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 will 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. We digitized the tax maps for Glenville Corporation.
2. One of our faculty completed a GIS course at West Virginia University.
3. We have implemented more practical exercises in our GIS course.

Top 3 geospatial goals for the coming year:
1. Implement more data into our GIS for the Glenville State College and the Town of Glenville. Some of this data will be existing property corners.
2. Obtain more GIS and GPS training for implementation of applied projects in our courses.
3. Teach some seminars in basic map reading and GPS skills.

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 us.

Top 3 geospatial accomplishments in the past year:
1. Have completed or will complete tax map digitizing for all or parts of Mingo, Webster, Harrison, Randolph, Upshur and Summers Counties in WV for the Nick J. Rahall, II Appalachian Transportation Institute.
2. Provide GIS support for the U.S. Corps of Engineers' Defense Environmental Restoration Program for Formerly Used Defense Sites (DERP-FUDS) at the Huntington District.
3. Provide GIS Training within Graduate Level Course within the College of Information Technology and Engineering at Marshall University.

Top 3 geospatial goals for the coming year:
1. Continue tax map digitizing.
2. Expand GIS support at the Huntington District of the U.S. Corps of Engineers.
3. Explore opportunities to work with State, Federal and Private Organizations.

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?
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 formal data sharing agreements with the Statewide Addressing and Mapping Board.

Top 3 geospatial accomplishments in the past year:
1. Started the development of a 13 state GIS product for the Appalachian Regional Commission including customized viewing and printing tools for the "Cost to Complete the Appalachian Development Highway System" report to the US Congress. Completed this product for the State of West Virginia.
2. Completed several county GIS tax parcel maps in WV.
3. Developed a prototype web based GIS Economic Development Information System for the WV Development Office.

Top 3 geospatial goals for the coming year:
1. Load geospatial data for the entire state provided by the WV Statewide Addressing and Mapping board into a storage area network currently under construction on the campus of Marshall University.
2. Develop a web based GIS Transportation and Economic Development Information System for the State of West Virginia.
3. Collect and process geospatial data for certain transportation corridors including recreational trails using GPS and in some cases LIDAR mapping.

West Virginia University — National Geospatial Development Center

Agency Name: Natural Geospatial Development Center, West Virginia University
Contact Name: Trevor Harris, Chairman, Department of Geology & Geography; Christine Clarke, Interim Director, Natural Resources Conservation Services (Trevor.harris@mail.wvu.edu)

Your agency's GIS mission statement and geographic extent for digital mapping:
Mission: The National Geospatial Development Center is a partnership involving the Department of Geology and Geography in WVU's Eberly College of Arts and Sciences and the Natural Resources Conservation Service (NRCS) in the U.S. Department of Agriculture. The Center will support the agency's natural resource business needs through the innovative use of GIS and other technology tools. As a result, NRCS will increase its technology infrastructure to support the delivery of programs in the field. The Center's geographic extent of its services will be the entire country. The Center, which is scheduled to open in June, was made possible by $4.3 million that U.S. Sen. Robert C. Bryd, D-W.Va., added to federal legislation.

For what geospatial data is your agency the primary or supplementary steward?
Natural resource data layers.

How can the statewide geospatial community participate in or benefit from your mapping efforts?
The Center will utilize data from the NRCS data repositories, developing computer tools to analyze the information, and sharing these tools with scientists and decision-makers.

West Virginia University — Natural Resource Analysis Center

Agency Name: Natural Resource Analysis Center, West Virginia University
Contact Name: Jerald J. Fletcher (jfletch@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 cooperative 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 and is an ESRI Authorized Learning Center. For more information, please refer to www.nrac.wvu.edu.

Top 3 geospatial accomplishments in the past year:
1. Completion of several statewide map layers for West Virginia, including: National Hydrography Dataset (NHD) surface water features, stream segment-level watershed delineation, and current coal mining permits for WVDEP. The NHD and stream segment watershed datasets are key elements in watershed planning and management activities at the state and local levels.
2. Migration of Watershed Modeling and Characterization System (WCMS) and Cumulative Hydrologic Impact Analysis (CHIA) tools from ArcView 3.x to ArcGIS 8.3 Extensions.
3. Development of initial HSPF coefficients for hydrological modeling of watersheds in West Virginia. Also significantly modified and expanded the Acid Mine Drainage (AMD) modeling component of HSPF 12. The AMD model is currently being tested and validated and is expected to be released during 2004.

Top 3 geospatial goals for the coming year:
1. Continued improvement in water quality mapping tool development for West Virginia. This will include completion of tools for Cumulative Hydrologic Impact Analysis (CHIA) required in the coal mining permitting process and development of new statewide stream coding for West Virginia.
2. Expanded availability of Internet mapping services through the NRAC web server.
3. Use of hyperspectral and high-resolution imagery for mapping and detection of invasive plant species, including development of related spectral reflectance curve information.

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 – geographic names, elevation, and other "framework" base layers.

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, metadata catalogs, and geospatial newsletters and postings. The Center implements and promotes statewide mapping guidelines that conform to national mapping standards, and provides GIS outreach and training services. 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.

Top 3 geospatial accomplishments in the past year:
1. Data Development: Completed statewide 1:24,000-scale transportation and tax boundary layers; finished Digital Line Graph hypsography for all coal-bearing areas; revised hospital and public land feature layers of Geographic Names Information System; updated State's National Register historic data set (892 features on 225 quads); converted seven 1:24,000-scale geological maps; completed initial phase of Digital Flood Insurance Rate Maps for Berkeley, Grant, Jefferson, Monongalia, and Morgan Counties.
2. Web Services: WV Gazetteer, Internet Map Services Catalog.
3. Technical Reports and Plans: Digital Conversion of Geologic Maps: Pendleton County, West Virginia; Digital Conversion of Flood Insurance Rate Maps; WV Spatial Data Infrastructure Report; National Map Business Plan; National Register Accuracy Improvement Report; WV County GIS Plan Template; 2004 Agency Roll Call Report. Published reports are available at http://wvgis.wvu.edu/stateactivities/activities.html.

Top 3 geospatial goals for the coming year:
1. Data Development: Digital conversion of flood hazard features for Barbour, Hardy, Lewis, Mineral, Pendleton, Randolph, Taylor, Tucker, and Upshur Counties; update geographic names for schools; USGS pilot to convert Statewide Addressing and Mapping Board (SAMB) elevation data into a gridded format for the National Elevation Dataset (NED); publish SAMB orthophotos; catalog and create critical infrastructure data sets.
2. Web Services: OGC compliant Web mapping services; state portal for The National Map; Critical Infrastructure Internet Mapping Application for emergency management offices.
3. Technical Reports and Plans: Finalize draft reports and plans.

West Virginia University — WV View

Agency Name: West Virginia View, West Virginia University
Contact Name: Timothy Warner (twarner2@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 organizations committed to promote the availability, timely distribution, and widespread use of remote sensing data and technology in West Virginia through education, research, outreach and sustainable technology transfer to the public and private sectors. WV View focuses on remotely sensed data of West Virginia, but the archives include areas across the US and the globe.

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

How can the statewide geospatial community participate in or benefit from your mapping efforts? West Virginia View has an archive of 77 Landsat Thematic Mapper images of West Virginia, as well as county images, available for free download from http://www.wvview.org .

Top 3 geospatial accomplishments in the past year:
1. Held the first Appalachian Remote Sensing conference (May 2003).
2. Increased the satellite imagery archive on the http://www.wvview.org website to include 77 images of West Virginia.
3. Started producing satellite images and shaded relief digital elevation images of each county in West Virginia.

Top 3 geospatial goals for the coming year:
1. Complete the county data sets of satellite imagery and shaded relief for all counties.
2. Continue to grow the West Virginia View archive of satellite imagery.
3. Sponsor graduate research and internships in remote sensing.

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: Jodie Hoover (jhoover@cet.edu); Hope Childers (hope@cet.edu)
Contact Phone: Jodie Hoover (304) 243-4417; Hope Childers (304) 243-4326
URL: http://www.cet.edu

Your agency's GIS mission statement and geographic extent for digital mapping:
To increase opportunities for students and teachers to learn about the use of geospatial technologies within the context of existing K-12 goals and standards.

For what geospatial data is your agency the primary or supplementary steward?
Evacuation/Inundation areas and points (roadblocks, evacuation centers and areas, etc.) in the form of ArcGIS™ shapefiles digitized 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? Once completed, coal impoundment GIS data will be available to other agencies. Currently, educators can access our Exploring the Environment® modules, most of which incorporate remote sensing and Earth system science education.

Top 3 geospatial accomplishments in the past year:

1. To meet the demands of the Mine Impoundment Location and Warning System project, the Center for Educational Technologies strengthened its GIS presence with additional staff members and new computer hardware and software. The impoundment project will serve as a spatial database for locating coal impoundments in West Virginia (http://www.coalimpoundment.org). Residents will be able to locate online nearby impoundments and be aware of emergency action plans, evacuation routes, etc. The center stepped outside its normal educational role to fulfill the demands of this significant public outreach effort.
2. The Center for Educational Technologies satisfied most of the requirements of the Mine Impoundment Location and Warning System project. This included building a geospatial database with ArcGIS™ coverages of impoundment locations and evacuation areas, developing a prototype ArcIMS® interactive mapping web site, and creating a prototype module for the center's Exploring the Environment® online learning program. This award-winning program is made up of 25 activities and modules in Earth science. These free offerings engage K-12 students in real-world issues through problem based learning (http://www.cotf.edu/ete/).
3. The Center for Educational Technologies provided GIS/remote sensing support to Wheeling Jesuit University's Biology Department for impoundment site visits. We also created an ArcIMS application to help the department locate inactive and/or unregulated coal impoundments.

Top 3 geospatial goals for the coming year:

1. Complete the remaining requirements of the Mine Location and Warning System project.
2. Incorporate ArcIMS applications to supplement existing Exploring the Environment products. Also, complete development of module on mine impoundments for Exploring the Environment. This project that will allow students to learn about GIS and link to an interactive mapping web site.

3. Develop and implement a plan to create a center for geospatial studies at the Center for Educational Technologies. Rather than teaching GIS, the center's focus will be to teach with GIS, using a problem-based learning strategy.

Greenbrier County Assessor's Office

Agency Name: Greenbrier County Assessor's Office
Contact Name: Nancy Sartor, Assessor (nsartor1@assessor.state.wv.us)
Contact Phone: (304) 647-6615

Your agency's GIS mission statement and geographic extent for digital mapping:
The Greenbrier County Assessor's office is responsible for accurate appraisal of real and personal property. We also maintain over 800 tax maps. The data we use is linked to the State Tax Department's Integrated Assessment System (IAS) in Charleston. Future plans will link the appraisal data with the mapping data and be able provide taxpayers with true and valuable descriptions of their property including maps, general data and photos.

For what geospatial data is your agency the primary or supplementary steward?
Greenbrier County maintains 35,000 parcel records and photos in real estate and 14,000 personal property records. We also map each parcel and presently have 800 + maps. All of this data will eventually link using GIS.

How can the statewide geospatial community participate in or benefit from your mapping efforts? We have already provided MicroData GIS, Inc., with our digital maps for the Statewide Addressing project. We are frequently asked to provide data for anything from managed timberland for WVU projects to finance companies for their inventory control. Once our GIS information is in place, I believe public utilities within the county will ask for additional information as well as mineral related activities.

Top 3 geospatial accomplishments in the past year:
1. We are in the process of re-vectoring the Greenbrier County digitized tax maps enabling this office to create polygons for future GIS development.
2. We have contracted with a recent Concord College Geography / GIS graduate who is working directly with each of our county tax maps
3. My office is responsible for Floodplain Determinations for Greenbrier County. We have taken FEMA data overlays and applied that to our current maps. This enables us to more accurate determine flood zones on a specific parcel or tract. Even though NFIP paper maps are the only source recognized by FEMA, this additional data provides excellent pin-point locations rather than a generalized flood condition.

Top 3 geospatial goals for the coming year:
1. We have 18 tax districts. Three have been set-up with GIS data by the state because of coal and other mineral deposits. Our goal is to complete all 18 districts.
2. Larry Butler and Tonya Brown will both have completed the ESRI – Basic GIS course. Hopefully this knowledge base will enable us to progress on our goals.
3. MicroData GIS, Inc., has visited Greenbrier County for the Statewide Addressing project. When the fly-over data is delivered, we hope to be able to apply that along with initial addressing to completed polygons.

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 our current GIS Tax Mapping system.

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

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

Top 3 geospatial accomplishments in the past year:
1. Added City of Weirton water and sewer lines to GIS system.
2. Created countywide watershed map for Emergency Services.
3. Worked with E911 for county wide street addressing implementation.

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: Saleem A. Salameh, Technical Director (Ssalameh@citynet.net) and Jody Sigmon, Associate Planner
Contact Phone: (304) 523-7434
URL: http://www.state.wv.us/kyova/

Your agency's GIS mission statement and geographic extent for digital mapping:
Develop and update a GIS system that will show information about socioeconomic, natural resources, where people work and live, new areas of growth, other data in relation to geography, political boundaries, census tracts and other lines of demarcation that KYOVA would use to graphically represent data.

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 2025 Long Range Transportation Plan (LRTP) and the 2004-2007 Transportation Improvement Program (TIP) projects.
2. Identified and target 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. Generated a map for the Port Authority, concerning the 63 county coverage area and a 75-mile radius from Prichard, WV, which is related to the doublestack train cars and the height of the tunnels. This overall long-range project will enhance the railroad tunnels toward and away from the industrial sites that will support a more efficient multi-modal way of transport.

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. Integrated 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.

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: Christopher M. Fletcher, AICP, Director of Planning (director@moncpc.org)
Contact Phone: (304) 292-9570
URL: http://www.moncpc.org

Your agency's GIS mission statement and geographic extent for digital mapping:
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, wireless communication facilities in unincorporated areas county-wide.

How can the statewide geospatial community participate in or benefit from your mapping efforts? Develop standards, guidelines, and require modernization of County Assessor Offices statewide to implement ESRI based or ESRI compatible GIS for cadastral mapping and related data management. Require State departments and agencies to implement GIS based data management and information sharing, i.e. WVDOH, WVDEP, etc.

Top 3 geospatial accomplishments in the past year:
1. Purchasing ESRI software and supporting hardware to develop a GIS for the County Planning Office.
2. Establishing a solid relationship with the WV GIS Technical Center for technical assistance. WV GIS Technical Center completed preliminary GIS Strategic Plan for Monongalia County.
3. Procuring the assistance of the WV GIS Tech Center to gather and deliver digital spatial data as a base for our new GIS.

Top 3 geospatial goals for the coming year:
1. Assemble key stakeholders to begin discussions to develop a comprehensive multiagency network, establish data sharing agreements, and layout a maintenance process. Finalize Monongalia County GIS Strategic Plan.
2. Encourage and assist the County Assessor's Office to modernize its cadastral mapping to a GIS-based system.
3. Take full advantage of the Statewide Addressing and Mapping Project data.

Morgantown - Monongalia County Transportation Planning Organization

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

How can the statewide geospatial community participate in or benefit from your mapping efforts? We are not aware of any current efforts to support long-range transportation planning and comprehensive planning – so just being able to be a resource is hopefully a benefit for others.

For what geospatial data is your agency the primary or supplementary steward?
Transportation – roads, transit routes, bike/pedestrian facilities, etc.

Top geospatial accomplishments in the past year:
1. Agency was established.
2. Organized existing available resources for use in long-range transportation planning.

Top 3 geospatial goals for the coming year:
1. Attribute transportation layers with information useful for transportation planning.
2. Incorporate GIS into a forecasting model.
3. Provide resources for local decision-makers.

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 accomplishments in the past year:
1. Established, completed and launched a running ESRI GIS system utilizing ArcSDE and ArcInfo.
2. Tied parcel layer to Assessor's CAMA data.
3. Defined key high risk areas within the county for emergency response and established an emergency response center utilizing GIS as its backbone.

Top 3 geospatial goals for the coming year:
1. Integrate GIS with 911 and Emergency Management.
2. Migrate public utilities, such as water and sewer lines into GIS.
3. Complete 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 toward a GIS mapping system that will be a working information system capable of editing and producing digital tax maps in final format. The system would also be capable of integration with the new IAS and the OEM statewide mapping and addressing project.

For what geospatial data is your agency the primary or supplementary steward?
Tax assessment information.

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 will require participation and cooperation between our assessor's office and the OEM to benefit the statewide mapping and addressing project and to provide up-to-date information to the people of WV.

Top geospatial accomplishments in the past year:
1. Digital vectorization and geographic registration of tax parcels and addition of parcel identification tags to digitized maps.
2. Created new parcel splits and updated digitized maps with 2004 tax year information.

Top geospatial goals for the coming year:
1. Convert AutoCad files to ArcView format.
2. Add additional layer information-acreage, lots, etc.
3. Publish digital tax maps in finished format.
4. Combine digital mapping information with integrated assessment information.

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)

Wood-Washington-Wirt Interstate Planning Commission

Agency Name: Mid-Ohio Valley Regional Council (MOVRC)
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:
Our geographic extent for WWW is Wood County, WV and Washington County, OH. For the MOVRC our 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?
Census data, 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. If there is any digitized data that others have that can help in the efforts of creating the Environmental Overview Study that would be very helpful to us.

Top geospatial accomplishments in the past year:
1. Establishment of traffic model for WWW region (consultant developed), agency assisted in development.
2. Maintaining and updating existing data

Top 3 geospatial goals for the coming year:
1. Developing 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. 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).
3. Continue to have geospatial data accessible through our Web sites.

Region VIII Planning & Development Council

Agency Name: Region VIII Planning & Development Council
Contact Name: Melissa Earle (mearle@region8pdc.org)
Contact Phone: (304) 257-2448 ext. 228
URL: www.region8pdc.org

Your agency's GIS mission statement and geographic extent for digital mapping:
Region 8 PDC covers the five counties of the Potomac Highlands, which are Grant, Hampshire, Hardy, Mineral and Pendleton. The Council's mission is to obtain the maximum level of economic and community development in the Potomac Highlands of West Virginia through development, planning, and by assisting local governments and businesses to implement projects and programs.

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? Continuing to provide data and training on use of data available.

Top 2 geospatial accomplishments in the past year:
1. Produced Hazard Mitigation Plans for each of 5 counties in region.
2. Provided maps to assist with applications and administration of regional projects.

Top 3 geospatial goals for the coming year:
1. Create a database of regional water and wastewater facilities and lines.
2. Assist counties with upgrading of FIRM's.
3. Promote tourism of region with creation of an Internet sight to provide advertising for Potomac Highlands.

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:
Long and short range transportation planning, grant administration and senior services Administration. Ohio, Marshall and Wetzel Counties in West Virginia and Belmont County In Ohio.

For what geospatial data is your agency the primary or supplementary steward?
Data needed for regional planning (e.g. regional transportation layer, traffic analysis zones, EJ areas).

How can the statewide geospatial community participate in or benefit from your mapping efforts? We can provide relevant products for our counties or the region that involve thematic mapping, linear referenceing and slope analysis using USGS DLGs and DTM. We can also provide products that take advantage of address matching.

Top 3 geospatial accomplishments in the past year:
1. Link Linear Referencing measure items to QRSII (a network based travel demand forecast software). This provides a link between the GIS and Travel demand model network
2. Display and query QRSII outputs in Arcview and ARC/INFO
3. Develop Environmental Justice target areas for transportation planning;plot accidents and roadway projects in the area.

Top 3 geospatial goals for the coming year:
1. Incorporate Ohio and Marshall County ortho imagery and planimetric data for use in regional transportation planning.
2. Update and maintain LRS and use locally developed address databases for developing traffic analysis zone statistics.
3. Develop products for a long-range transportation plan.

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 have a complete and functional mapping system that is corresponding with E911 and the State Mapping and Addressing Project.

For what geospatial data is your agency the primary or supplementary steward?
Tax assessment.

How can the statewide geospatial community participate in or benefit from your mapping efforts? By completing this project, our mapping will greatly increase in accuracy and information. This information will be readily available for the public.

Top 3 geospatial accomplishments in the past year:
1. Completed digitizing all map inserts.
2. Gathered GIS data needed to complete project.
3. Started working with E911 and State Addressing and Mapping to create a standardized mapping system.

Top 3 geospatial goals for the coming year:
1. Finish the digitizing process.
2. Link parcel data to parcel polygons and finish up in Auto Cad.
3. Convert from Auto Cad to Arcview.

Letter from WV Association of Land Surveyors

GIS Professionals:

I am writing to you today in order to keep you informed of changes in Senate Bill No. 460 which passed the Legislature and was signed by the Governor this year concerning the Surveying Profession. We feel that some of the changes made in the statute may help to define the Profession Surveyors role in the developing GIS community. We have compiled a few of the statutes contained within the new legislation that may be of value to the GIS Professionals.

30-13A-3(m) "Geodetic control survey" means a survey involving the precise measurement of points on the earth's surface which form the framework or control for a large map or project.
30-13A-3(gg) states that a survey can be the following but not limited to:
(1) The performance of a boundary, cadastral, construction, geodetic control, hydrographic, land, mortgage/loan inspection, oil or gas well, partition, photogrammetry, retracement, subdivision or surface mine survey by a licensed surveyor;
30-13A-4 (f) states that as of July 1, 2005, the make up of the Board of Examiners of Land Surveyors will be two licensed professional surveyors, one person who has a license in another field of practice other than surveying and also who has a surveyor license by examination, one endorsed underground surveyor, and one citizen member who is not licensed and does not perform any services related to the of surveying.
30-13A-24. Requirements for recording documents.
(a) No survey document intended to be used in the transfer of real property, prepared by a licensee or endorsee, shall be filed with any county clerk or accepted by any public official of this state unless the licensee's or endorsee's signature and seal or stamp have been affixed thereto, except that any document, plan, map, drawing, exhibit, sketch or pictorial representation prepared by a person exempted from the regulation.
30-13A-27 defines WV Coordinate Systems. It tells which counties are in the north zone and which are in the south zone. It defines the 1927 north and south zones as well as the 1983 north and south zones.
30-13A-33. Injunctions.
Upon a showing that a person has engaged in or is about to engage in any prohibited act or practice, an injunction, restraining order or other appropriate order may be granted by the court without bond.
30-13A-36 deals with exemptions from licensing and regulations.

The West Virginia Association of Land Surveyors has nothing to do with the enforcement of the regulations of these statutes. We leave that to the West Virginia Board of Professional Surveyors. We wanted to bring this new legislation to your attention just to keep you up to date. We are interested in starting a dialogue with the GIS Professionals. Some areas of common interest might be standards and datum for projects. What equipment would meet these standards? Issues such as easement mapping, right of ways, Corporation boundaries, and annexation would be good areas for discussion. There are probably many more that would occur to us once we got together. There has even been interest expressed in having a joint convention. The Surveyors presently have a convention around the end of February which is attended by over 300 surveyors. It has become difficult to find facilities for us at these conventions. But we would be interested in a joint convention in the late summer or fall. We hope that this is a successful, productive, and education convention for you.

Sincerely,
David L. Jackson
President of the West Virginia Association of Land Surveyors.
Full text of Senate Bill No. 460
http://wvals.org/wvsps/SB460-SUB1-enr.doc