

West Virginia Association of Geospatial Professionals

ANNUAL REPORT 2015



Mapping the Mountain State

P.O. Box 3903

Charleston, WV 25339

Email: WVAGPmail@gmail.com

Website: <http://www.wvagp.org>

2014-15 WVAGP Board of Directors



Name	Organization	Sector
Bailes, Wes wes@landmarkforestryllc.com	Landmark Forestry	Private Sector
Cottrell, Adam adam.cottrell@cityofcharleston.org	City of Charleston	City
Elkhansa, Hussein (President) Hussein.S.Elkhansa@wv.gov	WV Department of Transportation	State
Ervin, Connie crervin@assessor.state.wv.us	Preston County Assessor's Office	County
LaFone, Frank (Vice-President) Frank.Lafone@MAIL.WVU.EDU	WV GIS Technical Center, WVU	Education & Research
Mullenax, Matt mmullenax@hepmo.net	Hagerstown/Eastern Panhandle MPO	Regional
Paugh, Mike (Secretary) mike@moncpc.org	Monongalia County	County
Simental, Tony (Ex Officio) Tony.A.Simental@wv.gov	Office of GIS Coordinator	State
Starcher, Jennings (Treasurer) Jennings.N.Starcher@wv.gov	WV Division of Homeland Security & Emergency Management	State
Wray, Paul pwwray@assessor.state.wv.us	Putnam County Assessors Officer	County
Wu, Yueming Yueming.Wu@wv.gov	WV Department of Transportation	State


OFFICERS' REPORTS
(July 1, 2013 through June 30, 2014)

PRESIDENT'S REPORT

This past year the WVAGP Board continued to support professional development and training opportunities for its members. We reached out to the West Virginia consultant community and worked with the State GIS Coordinator on numerous projects that promote GIS in the state.

Frank LaFone, GISP
President, WVAGP

2014/2015 WV GISP



GIS Certification Institute

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SEARCH for Individuals with GISP®
GISP Registry Excel Spreadsheet [here](#)

Search the online database: Choose the search format > Enter the text to search for.

Name	Cert Number	Zipcode	Title	Expiration Date
Richard Johnson	54900	26330	GIS Analyst I	7/25/2018
Robert Shaffer	61146	26101	Mapping Supervisor	12/25/2013
Roger Cottrell	54616	26508	Project Manager	8/25/2018
Stanley Thompson	21051	25705	GIS System Analyst/Programmer	12/25/2013
Todd Fagan	57474	25414	GIS/Addressing Office Director	12/25/2018
Tyler Bragg	64489	25840	GIS Specialist	3/25/2020
Yueming Wu	56072	25305	GIS Manager	11/25/2016

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VICE-PRESIDENT'S REPORT

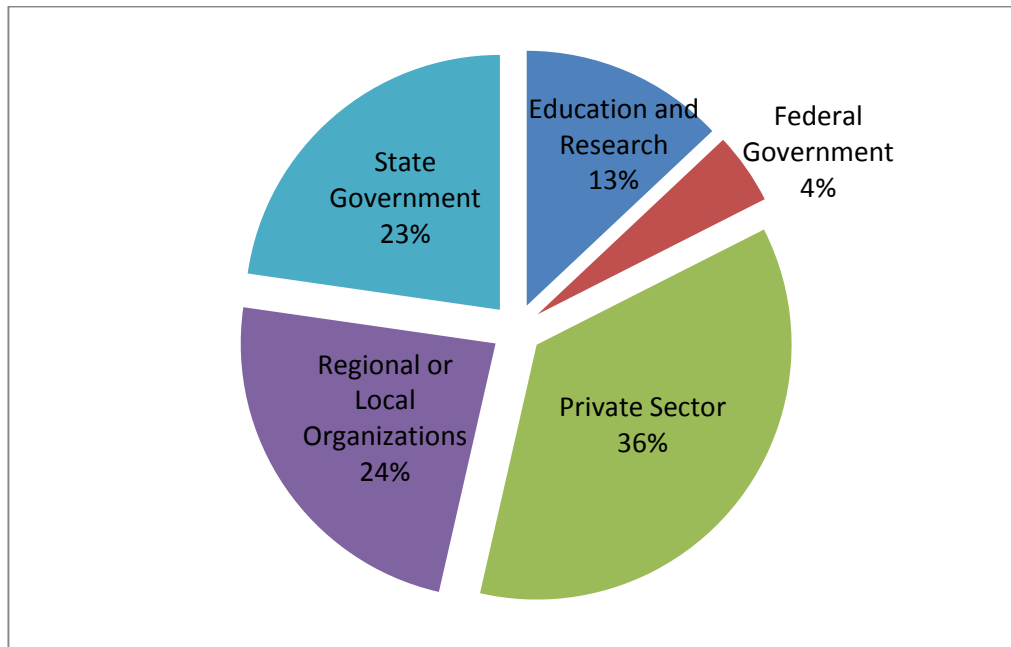
WVAGP embarked on a campaign to promote the excellence of our members and showcase Geographic Information Systems as a dynamic profession, vital to the daily operations in both government and the private sector.

As part of the campaign, we implemented a communication strategy to support our profession, allow our members to take advantage of training opportunities and keep in contact with other members throughout the state. A good line of communication speaks to the core of who we are, what we value, and what we do best as a diverse community of professionals united by a commitment to excellence.

You, WVAGP members, are the leaders responsible for advancing GIS through the work you do every day. The contributions you make to GIS and the compassionate, high-quality service you provide are the driving force behind our deliverables and services in the areas of mapping, data standards, data integration, and spatial analysis.

Adam Cottrell, GISP
Vice President, WVAGP

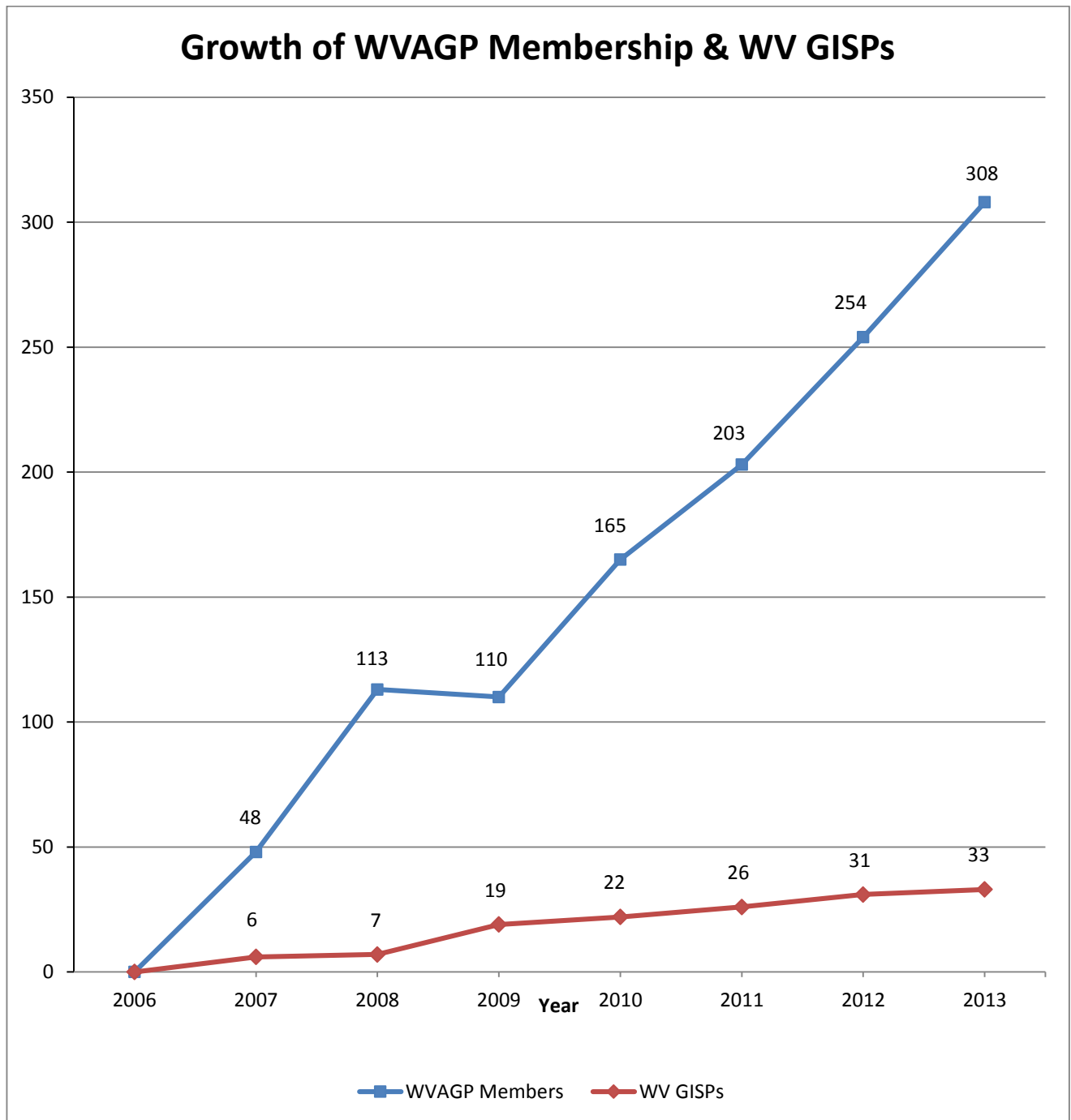
SECRETARY'S REPORT



Broad-level representation of board of directors and membership

CONSTITUENCY GROUP	MEMBERSHIP (June 2015)	BOARD OF DIRECTORS (Voting Members)
Federal Government	3	0
State Government	47	4
Regional and Local Organizations	77	5
Education and Research	32	1
Private Sector	35	2
<i>total</i>	197	12

- **194 members paid their current year dues (April 1, 2014 to March 31, 2015)**
- **Allied Member: WVSPS**

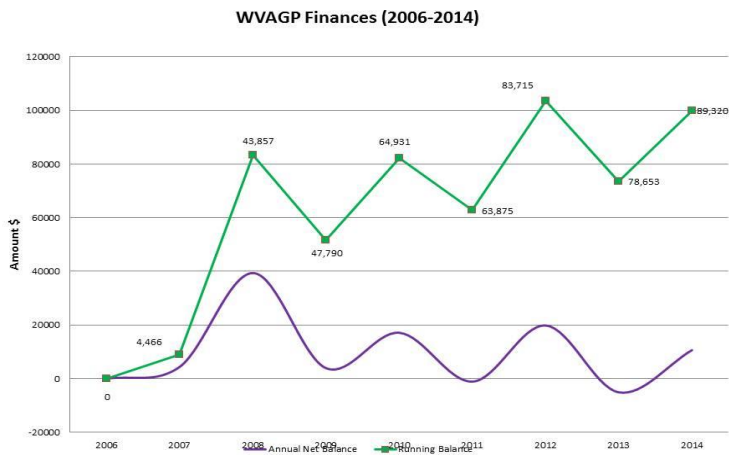


Mike Paugh GISP
Secretary, WVAG

TREASURER'S REPORT

Annual Treasury Report 2014		
Starting Balance		\$78,653.03
All income		
Membership and/or meeting registration fees, training fees	\$72,987.85	
Total Income		\$72,987.85
Expenses		
PayPal Expenses	\$1,719.91	
USPS Expenses	\$127.53	
Tax Prep Fees	\$180.20	
Constant Contact Fees	\$588.00	
GISP Reimbursements	\$250.00	
2014 WV GIS Conference	\$35,921.31	
WVSOS Annual Filing Fee	\$25.00	
ESRI – Geodatabases Course	\$16,695.00	
WVGISTC Fees	\$3,910.31	
Jamison Corley – Instructor Fee	\$1,500.00	
EPAN Sponsorship	\$500.00	
WVU Catering Fees	\$903.25	
Total Expenses		\$62,320.51
Summation		
Deposits		\$72,987.85
Expenses		\$62,320.51
Net Balance as of 12/31/2013		\$89,320.37

Treasurer's Report Audited in spring 2015 and found correct



Year	Income	Expense	Annual Net Balance	Running Balance	Comments
2006	0	0	0	0	
2007	4,693	227	4,466	4,466	WVAGP formed March 2007
2008	59,826	20,434	39,392	43,857	Received \$20K FGDC grant
2009	7,360	3,428	3,932	47,790	
2010	39,998	22,856	17,142	64,931	
2011	53,606	54,662	-1,056	63,875	
2012	64,736	44,895	19,841	83,715	
2013	61,522	66,584	-5,063	78,653	
2014	72,988	62,321	10,667	89,320	
total	\$ 364,729	\$ 275,407		\$ 89,322	

Other News

- WVAGP filed federal tax documents and it has been sent to the IRS for review.

Jennings Starcher, Treasurer

COMMITTEE REPORTS
(July 1, 2012 through June 30, 2013)

STANDING COMMITTEES

Election Committee

The committee has worked hard preparing for the 2015 WVAGP Board of Directors election. We have ten qualified candidates for the five seats that are available. There is one candidate representing the state constituency, two representing the education and research constituency, five candidates representing the regional/local government constituency and two candidates representing the private sector constituency. This year the committee decided to add candidate pictures to the nominee profiles. This was done so that a face could be put to each nominee profile. Ballots and nominee profiles were sent to the membership on May 4, 2015. Also, the committee worked with the Communications Committee to spotlight each candidate on the WVAGP Facebook page leading up to the election. Election of the new Board of Directors members will be at the annual membership meeting June 3, 2015. The five candidates selected will begin their term on July 1, 2015 and will expire June 30, 2017.

Members of the committee include Jennings Starcher (Chair), Craig Neidig, Nate Davis and Matt Mullenax.

Jennings Starcher, GISP
WVAGP Election Committee, Chair

Communications Committee

Committee Members

- Colleen LeMasters – Chair
- Jennings Starcher – WVAGP Treasurer
- Kurt Donaldson
- Jessica Brewer
- Vince LaNeve
- Sam Moffat

To communicate with its members, the committee utilized the WVAGP website, Constant Contact Email marketing service, e-mail list serves, and online surveys. In addition, the committee routinely posted news items on the WVAGP website and published two electronic newsletters, one in November 2014 and a second in May 2015. The committee supported WVAGP training and meeting events by setting up the online registrations and making presentations on the Web accessible via SlideShare/WVGISTC/ WVAGP servers. The Committee also created and published online surveys for the 2014 Conference, training priorities, workshop topics, and feedback from the membership. In the future WVAGP will explore communicating with its membership by using Webinars, podcasts, and videos.

- ConstantContact Email Marketing – Free mailing list (members or non-members)
 - Subscribe/Unsubscribe automatically
- Newsletter (<http://www.wvagp.org/newsletters.asp>)
- WVAGP Listerves: – Member ListServe (WVAGP@LISTSERV.WVU.EDU)
 - WV Cadastral (WVCADASTRAL@LISTSERV.WVU.EDU)
 - WV Addressing (WVADDRESSING@LISTSERV.WVU.EDU)
- WVAGP website (www.wvagp.org) – News, meeting information, registrations, resources, etc.
- Presentations – SlideShare (<http://www.slideshare.net/wvagp/>)
 - WVGISTC/WVAGP Servers
- Online Surveys
- WVAGP on Facebook
- WVAGP on Twitter

Twitter: This past year a Twitter account was created to allow for another avenue of communication among the WVAGP member for social networking. Twitter opens up another way to communicate and spread news rapidly.

The Communications Committee is currently looking for more people to serve on the committee. If you are interested, please contact me or a WVAGP board member.



Twitter
@WVAGP



Collen LeMasters, Chair

Training & Outreach Committee Annual Report

The mission of the West Virginia Association of Geospatial Professionals is to bring together and build the geospatial community into a cohesive, recognized coordinating body that facilitates the use, development, sharing, and management of geospatial data and communicates the value of geospatial information to citizens and decision-makers. In doing so, the responsibility of the Training & Outreach Committee is to report and recommend on methods for exchanging information, along with promoting an awareness of geospatial technologies. The WVAGP places high value to Training & Outreach because we believe that it is an important component in having a successful and efficient GIS program. Our goal is help the GIS Community stay up-to-date with the latest technology and to give the community a chance to share their ideas and concerns. The WVAGP conducted an online GIS training survey to help identify & prioritize the training for the WVAGP membership and the GIS Community. The Results were posted in October 2014. A copy of the results is posted below.

October 30, 2014

SUBJECT: WVAGP GIS Training Survey Dear

WV GIS Community,

I am pleased to present to you the results of the WVAGP GIS Training Survey in which over 100 people responded. I would like to thank the WV GIS Technical Center for assistance in creating and compiling the online survey.

According to the respondents, there is high interest in the following classes:

ESRI Instructor Courses:

- **Building Geodatabases (10.2) (3 Days)**
- **ArcGIS 3: Performing Analysis (10.2) (2 Days)**
- **Introduction to Geoprocessing Scripts Using Python (10.2) (3 Days)**
- **Editing and Maintainin Parcels Using ArcGIS (10.2) (2 Days)**

Other Instructor Courses:

1. **GIS Foundations II: GIS Basics; Attributes, Tables, Query, Analysis, Editing (1 Day)**
2. **ArcGIS Server 1: Publishing maps online and multiuser database**
3. **Programing: ArcGIS Python: Intro, Geoprocessing, Map Automation (3 Days)**
4. **GIS Foundations III: Advanced GIS Implementation ; Geodatabases, Topology, Editing (1 Day)**
5. **ArcGIS Server II: Server and Database Configuration**
6. **GPS: Using GPS in GIS: GPS, ArcPad, Data Collection**
7. **Topical: Cadastral; Parcel Editing, COGO, Map Book, Best Practices**
8. **Analysis: Spatial analysis with Vector and Raster Data (10.2) (2 Days)**
9. **Topical: GIS and Addressing; Data Management , Tools and Resources**
10. **Programing: API Java Script Web Applications (2 Davs)**

Sincerely,

Paul Wray
WVAGP Training Committee

ESRI Instructor Courses	Weighted Score Rank	Preferential Beginning with Total # Votes Rank	Preferential Beginning with 1st Choice Rank
Building Geodatabases (10.2) (3 days)	1	1	1
ArcGIS 3: Performing Analysis (10.2) (2 days)	2	2	4
Intro to Geoprocessing Scripts Using Python (10.2) (3 days)	3	3	5
Editing and Maintaining Parcels Using ArcGIS (10.2) (2 days)	4	4	6
ArcGIS 1: Introduction to GIS (10.2) (2 days)	5	10	2
Building Web Applications Using the ArcGIS API for java script (10.2) (2 days)	6	7	3
ArcGIS for Server: Site Configuration and Administration (10.2) (3 days)	7	8	7
Configuring and Managing the Multiuser Geodatabase(10.2) (3 days)	8	5	8
ArcGIS 4: Sharing Content on the Web (10.2) (2 days)	9	6	9
ArcGIS 2: Essential Workflows (10.2) (3 days)	10	9	11
Distributing Data Using Geodatabase Replication (10.1) (2 days)	11	11	10
System Architecture Design Strategies (10.2) (3 days)	12	12	12
Implementing Versioned Workflows in a Multiuser Geodatabase (10.1) (3 days)	13	13	13

Other Instructor Courses	Weighted Score Rank	Preferential Beginning with Total # Votes Rank	Preferential Beginning with 1st Choice Rank

GIS FOUNDATION II: GIS Basics; Attributes, Tables, Query, Analysis, Editing (1 day)	1	5	3
ArcGIS SERVER I: Publishing maps online and multiuser databases	2	4	2
PROGRAMMING: ArcGIS Python; Intro, Geoprocessing, Map Automation (3 days)	3	2	1
GIS FOUNDATION III: Advanced GIS Implementation; Geodatabases, Topology, Editing (1 day)	4	1	10
ArcGIS SERVER II: Server & Database Configuration, Caching, Services	5	3	12
GPS: Using GPS in GIS; GPS, ArcPad, Data Collection	6	7	4
TOPICAL: Cadastral; Parcel Editing, COGO, Map Book, Best Practices	7	9	5
ANALYSIS: Spatial Analysis with Vector & Raster Data (10.2) (2 days)	8	6	7
TOPICAL: GIS and Addressing; Data Management, Tools and Resources	9	10	6
PROGRAMMING: API Java Script Web Applications (2 days)	10	11	8
ANALYSIS: Spatial Statistics (1 day)	11	16	13
GIS FOUNDATION I: What is GIS? Intro to Spatial Data and Mapping Concepts (1 day)	12	21	9
TOPICAL: CAD - Autodesk/CAD Training for GIS Mappers	13	19	11
TOPICAL: Cartography in GIS - Best Practices	14	12	16
TOPICAL: GIS Program Management	15	8	15
TOPICAL: ArcGIS Tips and Tricks; what's new in ArcGIS 10.2 (10.2) (1 day)	16	17	17
TOPICAL: Lidar concepts, processing, viewing, and analysis	17	18	18
TOPICAL: Intro to Land Surveying for GIS Professionals	18	14	22
TOPICAL: Google Maps Mash-ups	19	15	25
TOPICAL: Mobile GIS Applications and Solutions	20	13	24
PROGRAMMING: Customizing desktop and add-ins using ArcObjects	21	22	19
TOPICAL: 3D ArcGIS - ArcScene, City Engine, Digital Cities	22	26	14
TOPICAL: Pictometry Software Training	23	20	26
TOPICAL: ArcGIS Online Resources; AGOL, ArcGIS Organizations, Publishing (1 day)	24	24	23

TOPICAL: National Hydrographic Dataset (NHD)	25	25	20
TOPICAL: National Geospatial Reference System; Geodesy	26	28	21
TOPICAL: Open Source Internet Mapping	27	23	27
TOPICAL: Intro to Remote Sensing	28	27	28
TOPICAL: Preparing FGDC Metadata	29	29	29
TOPICAL: Census Boundary and Annexations Surveys (BAS)	30	30	30

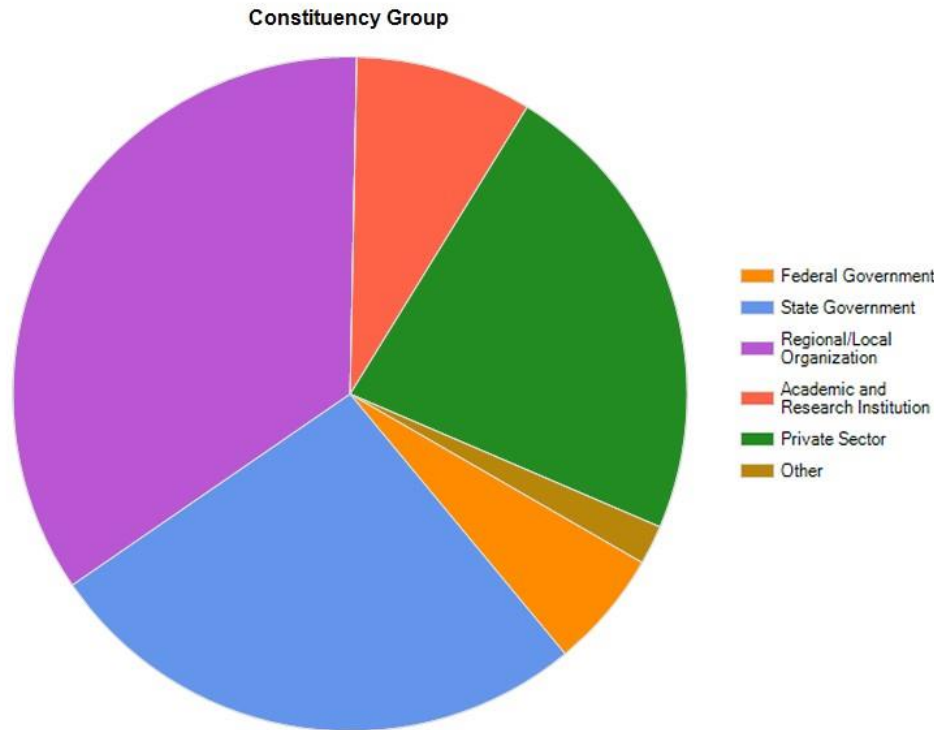
RANKINGS: The rankings of all classes are shown in the above table. Classes have been sorted by Weighted Score, but rankings have also been assigned for a sorting based on total # of votes and a sorting based on respondents 1st choice. These scoring and ranking systems are explained below. The full survey data sheet is available upon request.

- (1) **Weighted Score:** For each class, the number of 1st choice votes was tallied, then multiplied by 45; the number of 2nd choice votes was tallied, then multiplied by 25; the number of 3rd choice votes was tallied, then multiplied by 15; the number of 4th choice votes was tallied, then multiplied by 10; and the number of 5th choice votes was tallied and multiplied by 5. The multiplied values were then added together to get a 'weighted score' for the class. These scores were sorted in descending order and then ranked.
- (2) **Sorted by Total # Votes:** Classes were sorted by the total number of times someone voted for them (max 29 votes). The number of 1st choice votes were used as a tie breaker, followed by the number of 2nd choice votes, and so on.
- (3) **Sorted by 1st Choice:** Classes were sorted by the number of 1st choice votes. The number of second choice votes was used as a tie breaker, followed by the number of 3rd choice votes, and so on.

CONSITUENT GROUPS: 108 people from various constituency groups responded to the survey.

COMMENTS FROM RESPONDENTS:

- I will like training that will help with a county mapping department.



- I see many members becoming certified as GISP but the task and requirements seems daunting to go through when there is the potential to waste money on an unsatisfactory application. I could see the possibility of GISP mentorship as a huge help. Consider pairing up those interested in certification with those who are certified or willing to help/coach toward certification such as by offering suggestions for credit or helping to arrange opportunities that would be viewed as credit. The majority of professionals I work with were not educated in GIS and going through our experience and attempting to calculate value is frightening.
- 1. Spatial Analysis of Biological / Ecological Data. 2. Imagery analysis for forest / vegetation mapping (supervised, unsupervised classification, other techniques).
- Some workshops specifically related to oil and gas, such as basin and play analysis, or generating structure maps and cross sections using 3D analyst and spatial analyst.
- Offering the basic courses are essential, as I encounter people without basic skills. It is nice to have a recommended local class to suggest to them.
- Have some [training] in the southern part of the state or at least Charleston area.
- I'd like to learn more about databases in general, how to properly create and manipulate them and especially what not to do.
- I personally would be interested in learning about setting up ESRI software on a server and administering licenses over the network. I took the ArcGIS for Server class but it did

not go into the hardware setup/installation processes to get software running over a network. Having no IT background, this is really important for me now since my company has no IT department and I am the sole GIS user.

- Open to teaching/presenting land surveyor led classes for GIS/GPS.
- I would like to see topics that are focused on a particular careers (Forestry, Facilities, Natural Gas, etc...). Group together topics/training that would aid a professional. Typically, a workshop covers a topic that I need for a session then the rest of the education has no bearing on what I need.
- Too much ESRI. Remember they are a private company after all and there is a large number of exceptionally good and more affordable software tools on the market. Why does WVAGP encourage this monopoly?
- I could probably choose about 20 of these courses, it's so hard to narrow it down.

Past WVAGP Sponsored Training (From May 14, 2013 to May 30, 2014)

Instructor-Led Workshop	Training Dates	Location	Training By
Tax Mapping	May 14, 2013	Stonewall Resort	Atlas Geographic Data
ArcGIS Mobile & GPS	May 14, 2013	Stonewall Resort	Duncan-Parnell
ArcGIS Online	May 14, 2013	Stonewall Resort	ESRI
Lidar	May 14, 2013	Stonewall Resort	Woolpert
ArcGIS I: Introduction to GIS	June 10-11	Morgantown	WVGISTC
ArcGIS II: Essential Workflows	June 12-14	Morgantown	WVGISTC
ArcGIS Advanced Editing	July 16-18	Morgantown	WVGISTC
ArcGIS Python	January 8-10, 2013	Morgantown	WVU Geography
ArcGIS 10.1 Tips & Tricks	July 24, 2013	Morgantown	WVGISTC
ArcGIS JavaScript API	Aug 14-15	Morgantown	WVGISTC

Future WVAGP Sponsored Training

Instructor-Led Workshop	Training Dates	Location	Training By
ArcGIS Building Geodatabases 10.2	July 15-17, 2014	Morgantown	ESRI
ArcGIS Python	July 22-24, 2014	Morgantown	WVGISTC
ArcGIS Desktop Foundations I, II, III	August 4-6, 2014	Morgantown	WVGISTC
ArcGIS Online	August 7, 2014	Morgantown	WVGISTC
Geospatial Statistics	TBA	Morgantown	
WV Addressing Topics	October 14-16, 2014 (tentative)	Morgantown	WVGISTC
WV Cadastral Topics	November 4-6 2014 (tentative)	Morgantown	WVGISTC

Achievement Awards

The Committee made the recommendation to the Board of Directors to present four individuals with achievement awards at the 2014 GIS Conference. The Board approved the recommendation and the awards were purchased.

Paul Wray
Training & Outreach Committee Chair

Technical Issues Committee

After the annual membership meeting in 2014 the Technical Issues Committee made a few rounds of calls among the members for any possible technical issues that a member would like to address. With the list of issues available, the Technical Issues Committee met in Flatwoods on November 4th, 2014 for a full day to examine the list. At the meeting these issues were categorized into five wider-ranging groups and five sub-committees as below were formed to further work on the issues.

- Aerial Mapping
- Metadata
- Web Services
- Tax Map Parcels
- Hydrology

Due to other commitments and unexpected issues the Technical Issues Committee and its sub- committees have not been able to meet again. However, each sub-committee has been making its progress.

For example, the Aerial Mapping Subcommittee has been working the state GIS coordinator Mr. Tony Simental. An update on LiDAR and imagery will be given by Mr. Simental at the WV GIS Conference in June 2014.

The finding from the Hydrology Subcommittee is that all major hydrology GIS data activities at this time revolve around a desire to improve the NHD which will require a large amount of funding.

The Metadata Subcommittee has been attending USGS/FGDC Metadata Working Group Webex sessions on a monthly basis in order to stay abreast of developments in the transition from the current Content Standard for Digital Geospatial Metadata (CSDGM) to ISO metadata standards. The goal of the subcommittee is to promote the inclusion of at least minimal metadata with data sets produced by West Virginia agencies and organizations. Several tools are available, or will be soon, that will enable the practical creation of ISO metadata. Future meetings will cover these tools and revisit the criteria for minimal metadata content.

Yueming Wu

Technical Issues Committee, Chair

SPECIAL COMMITTEES

Auditing Committee

The president appointed the Audit Committee to certify the correctness of the Treasurer's financial reports for the calendar year. Members included Tony Simental, Tami Koontz and Katherine Pay bins

BYLAWS

WVAGP bylaws can be viewed or downloaded from the Association's website:
<http://www.wvagp.org/Governance.asp>.