



The Florida Surveyor

Volume XXV, Issue 8

September 2017

The History of Florida's Initial Point

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As the kids head back to school and we all wrap up our summer vacations, I am looking forward to a busy and fruitful year ahead. Its been a short 4 weeks since our annual meeting in Naples, but a lot of good work is occurring at FSMS for the benefit of our membership and the profession.

The committees this year are already hard at work continuing with the agenda and focus identified through our strategic planning process and feedback from our members. The strategic planning committee has set milestones and accountabilities to ensure we stay the course and provide the

membership what they expect from their Society this year and beyond. The education committee is very hard at work with reviewing and revamping all our seminar offerings. We are not getting out of the seminar business, but rather streamlining and adding in the requested changes from you, our members. Please continue to let your Chapters and Directors know what your needs and wants are for seminars and pertinent topics.

The approved changes to statute 472 took effect on July 1, 2017, and we are busy working with and assisting the Board of Professional Surveyors & Mappers (BPSM) in crafting the necessary revisions to 5J-17 to coincide with Statute 472. At their recent meeting in Jacksonville on August 8th, the BPSM Rules committee asked FSMS for recommendations to be considered for the 5J-17 revisions, which we gladly provided.

The respect and cooperation we have with our peers at BPSM is monumental in working together to achieve these long-needed revisions to our practice laws here in Florida in a timely manner. The BPSM Rules committee was very receptive to our legislative committee's recommendations, and has asked that we at FSMS work directly with them to finalize the language in the upcoming meeting in September. Thank you to the Legislative committee and John Clyatt for your steadfast work on this.

The Unlicensed Practice and Legal committees are keeping up their vigilant watch of the ever-evolving mapping technologies and tools available to the geospatial community here in Florida. These committees are making sure that products and services provided are done so without disregard to our Surveying & Mapping laws in the state. FSMS is committed to working with, not against, all of the Geospatial professionals and specialists for the betterment of us all. We want and need to be part of the solution to many mapping products, not a threat. The time is now to get out and market the qualification and value that professional survey data and certification brings to an end user and mapping projects.

Along these lines on a national level is the current debate of The Geospatial Data Act of 2017. This bill is S.1253 and currently being considered by the U.S. Congress and Senate. Please read and understand this bill and the controversy surrounding it. It directly involves the Surveying & Mapping profession on a national level, and it opens up the dialogue we truly need with the GIS and Geospatial folks as mapping technologies advance. I honestly believe there is common ground and benefits to all Geospatial Specialists to be found in this bill. Be sure to look up MAPPS position on this, and FSMS must and will be a positive voice for this needed legislation and its proper perception in the coming weeks.

In closing: "I think one of the keys to leadership is recognizing that everybody has gifts and talents. A good leader will learn how to harness those gifts toward the same goal." - Ben Carson

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August 28, 2017

State Society Presidents & NSPS Delegates

Dear Fellow Professional:

"HURRICANE HARVEY" **TEXAS & LOUISIANA FLOODING** **WE NEED YOUR HELP!**

The news about the tremendous flooding and wind damage in Texas is virtually 24 hours a day. President Trump has declared Texas a "Disaster Area" and as I write this, has just declared Louisiana a "Disaster Area". The torrential rains, already over 30" in many areas, with another 20" predicted, will not be over for several more days.

Many surveyors, their employees and their families will be the victims of this flooding! These surveyors will lose most of their furniture, appliances and clothing and their offices to the flood waters. Some will not be located in a FEMA designated flood zone and will have no flood insurance! Others will have flood insurance on the buildings but no contents!

I can tell you personally that being a flood victim is a devastating experience! I was wiped out in Super Storm Sandy. The effects of that flooding are still with me and the communities hit by that storm. There are still many abandoned homes and businesses four years after Sandy!

My point is that **Your Foundation needs donations!** We need money to replenish our Disaster Relief Fund and satisfy the claims that will be arriving from Texas and Louisiana! Our Disaster Relief fund is there to help our fellow professionals **(THAT MEANS YOU)** recover from floods, storms, tornados, fires and any other natural or manmade disaster. You never know when you are going to need help. I sure didn't!

I am asking you to assist the Foundation in raising money for the "Disaster Relief Fund", from the State Societies, your members, Society Sustaining Members, local vendors and anyone else you can think of!

Please be as generous as possible with your donations. I know that times are still difficult in some areas but send whatever you can afford. We will gratefully accept any donation you can make!


Send your tax deductible donations to headquarters:

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5119 Pegasus Drive Suite Q
Frederick, MD 21704

Please mark Disaster Relief on your checks and remember we are a tax deductible 501 c3 organization.

Remember that the next check we send could be to you, or one of your members!

Thank you for your anticipated generosity!



Joseph M. Dolan, PLS
NSPS Foundation Chair



Surveyors In Government

Richard Allen, PSM, CSM

I would like to start this article with an introduction for those of you that may not know me. My name is Richard Allen and I am the City Surveyor for the City of Orlando. I have had the luxury of working for and with Joe Stokes, Jr., the former City Surveyor for the City of Orlando and the leader of Surveyors in Government for many years. Joe formulated the values of the Surveyors in Government group and helped define the role of government surveyors. This includes the responsibility we have in protecting the public – a trait we share with all surveyors.

I understand his passion for this group, as I have the same passion for the group and the profession in general. I have worked in surveying since I graduated high school in 1997, and have worked for the City of Orlando for nearly 12 years. I have been the City Surveyor since 2015, after Joe officially retired.

I have also had the pleasure of being Chapter President of the Central Florida Chapter of FSMS and an officer, in one form or another, of the GPS/GNSS Users Group, now known officially as the Geospatial Users Group (GUG). Through my experience as an FSMS member and an officer, I have had the opportunity to meet a number of Government Surveyors.

Enough about me though, I would like to take the rest of my time to pass on some of the wisdom that Joe passed on to me regarding our role as government surveyors. Joe was and still is an ardent watchdog of unlicensed activity and violations of CCNA. Joe would often find a survey in violation of minimum technical standards and immediately be on the phone, asking them what had happened with the survey. If they were lost, or failed to make the necessary corrections, he would file a complaint if there was no hope of a valid survey being provided.

I often remember him preparing to mail a complaint to the board. Joe was always doing his job of

“Joe formulated the values of the Surveyors in Government group and helped define the role of government surveyors. This includes the responsibility we have in protecting the public - a trait we share with all surveyors.”

protecting the public. I also remember him spending countless hours speaking with surveyors who didn't understand what was required of them, or had a difference in opinion. He would take the time and listen to their side, and then provide information to support his opinion.

Occasionally - but very rarely - were they able to change his mind, but he would always listen to you if you worked with him. Now, if you were a repeat offender who continuously submitted the same substandard survey every time, that was a different issue - there was no leniency.

Joe didn't always have an answer but would take the time to find one or reach out to another surveyor who may have the answer to a question or issue. I am cut from the same cloth, because that is what Joe taught me.

I didn't have the benefit of having a mentor when I first started surveying, and I didn't find mine until I met Joe. To me, a mentor is someone who wants you to love the profession as much as they do. I think we are very lucky to be following in the footsteps of those before us and perpetuating their efforts in boundary retracement and producing various survey products for whatever intended use.

I am not saying that I have never worked with great people in surveying who loved it and were passionate about it; I am saying that I hadn't been passed down their passion and love for this great job as a surveyor. We have a great responsibility not only as government surveyors, but surveyors in general, to preserve, perpetuate, and protect. Preserve the efforts of others, perpetuate monumentation and protect the public.

Now, I can't say that Joe is the only surveyor who inspired me. I had the benefit of working for Randy Roberts. He and I spent a great deal of time together in the field and I learned many things from him. I retraced my first original section corners with him. He showed me how amazing original monumentation was and lit the fire that has burned my passion for surveying ever since.

That was when I was young and didn't really grasp what the role of a surveyor was. A mentor is an experienced and trusted adviser who passes on their passion and drive for what they do and how they interact with others. Mentoring you to value what you do and love, and to hopefully follow in their footsteps one day. That is what I say Joe has done for me and many of you who have read his column. I hope that I can follow in his footsteps while leading this group.

Thank you,

Richard Allen
Richard.Allen@cityoforlando.net
407.246.2788

Although retired, Joe still works for the City on a part time basis as a senior surveyor with the City. So if you want to say hi you can still reach him at the same number that was listed on his articles over the years.

You can reach Joe at Joseph.Stokes@cityoforlando.net or 407.246.3319




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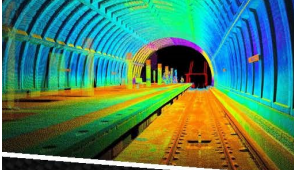





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IN MEMORIAM

Kent Green

Former FSMS President

Raymond "Kent" Green, age 75, passed away unexpectedly on Thursday, August 3, 2017 in Crystal River, FL. He was born on June 4, 1942 in Sacramento, CA to Ulmer Bea Green and Marcia Silverton. He was raised by his loving step mother Flossie B. Green and father. Kent attended Whitworth College in Spokane, WA earning a Bachelor's degree in Mathematics. He ran a 4-minute mile in 1960 for the Whitworth College Track team.

He went on to become a professional land surveyor, receiving multiple awards in his field and was president of the Florida Society of Professional Land Surveyors in 1994. He married the love of his life, Irene Green, on September 15, 1973. He was a loving and devoted husband, father and grandfather who enjoyed music, fishing, camping, golf and most of all spending time with his family. He documented his life detailing his adventures across the country and his hopes, dreams and desires for the future in his autobiography, "Gabe."

Mr. Green is survived by his wife of 44 years, Irene Green, of Crystal River, FL, his mother, Marcia Diez, of Crystal River, FL, his son, Earl Ray Mack, Jr., of Ocala, FL, his

daughters, Teresa Ridge, of Galt, CA, Christine Nadeau and Kelly Green of Crystal River, FL, his grandchildren, Charles Gipson, Kayla Pursell and Sara Nadeau of Crystal River, FL and his step children James Sowles of Central Point, OR, Theresa Sowles/Dafgard of Chicago, IL and Elizabeth Beltz of Portland, OR. He was preceded in death by his father and step mother, Ulmer Bea and Flossie Green, his brothers Bill, Tom and Kenny Green and his son, Richard Green.



Kent Green's President's Portrait for the 1994-1995 year.

The 2017 Geospatial Data Act

Synopsis & Analysis

The bill, which has been introduced in both chambers of Congress, is intended to improve the governance and coordination of federal geospatial activities

Synopsis

July 27, 2017 - Press Release

WASHINGTON – Congressman Bruce Westerman (AR-04) on Thursday (July 27) introduced the Bipartisan Geospatial Data Act. The bill, co-sponsored by Congressman Seth Moulton (MA-06), would prevent duplicative data purchases by federal agencies and modernize the collection of said data. The move would save an untold amount of the American taxpayers' money.

"Technology is advancing at a rapid rate. Advances in geospatial technology have revolutionized transportation, forestry, and an ever-growing list of other industries," Westerman said. "The benefits of geospatial technology are truly untold. Our federal agencies use geospatial data, but often different agencies acquire duplicative information and waste precious taxpayer resources in the process. The Geospatial Data Act would streamline the collection of this data across the federal government. This bill will save money, improve information accuracy, and provide a more modern system for collecting geospatial data."

"The Geospatial Data Act will save taxpayer dollars, increase government efficiency, and unlock innovation in the public and private sectors," Moulton said. "It is time to bring government into the 21st Century. I am proud to be part of this bipartisan effort that embraces new and innovative ways to use and share data."

This legislation is supported by the National States Geographic Information Council (NSGIC), the American Council of Engineering Companies (ACEC), MAPPS, and the National Society of Professional Surveyors (NSPS).

"From transportation, to natural resources, to homeland security, map-based digital information has quietly become mission critical to how work gets done and to future economic growth," said NSGIC President Bert Granberg. "We need an efficiency and accountability framework to build, sustain, and share geographic data assets for the entire nation. The GDA delivers just that and our members appreciate Representative Westerman's leadership."

"The American Council of Engineering Companies – the voice of the nation's engineering industry – supports the Geospatial Data Act and thanks the sponsors for introducing this important legislation," said ACEC President and CEO David A. Raymond. "Access to accurate geospatial data is essential for maintaining and improving the nation's infrastructure, economic development, and emergency preparedness and response. The sharing of geospatial data across federal agencies will improve the quality of data and be more fiscally prudent by preventing the duplication of work and resources. In addition, the bill includes an important clarification of federal procurement rules to ensure that surveying and mapping services are contracted under the same qualifications-based selection standards as architects and engineers."

"MAPPS commends Representatives Westerman and Moulton for their leadership in helping better coordinate the acquisition, management and dissemination of geospatial data by the Federal government through the Geospatial Data Act (GDA)," said MAPPS President Brian Raber, CMS, GLS, GISP. "MAPPS is pleased to support this legislation which will not only improve coordination, reduce duplication, and in-

crease data transparency in the acquisition of geospatial data, but the GDA clearly outlines the role of the private sector geospatial firms in assisting Federal agencies accomplish their goals in maximizing value, quality and competence in undertaking their geospatial activities.”

“The National Society of Professional Surveyors (NSPS) is grateful for the leadership provided by Congressmen Westerman and Moulton in sponsoring this legislation which will establish the primacy of state surveying licensing law while helping to achieve efficiency in a wide variety of surveying activities underway or planned by our partners in the Federal agencies,” said NSPS Executive Director Curtis Sumner, LS. “NSPS strongly supports the Geospatial Data Act and encourages Congress to enact this important reform legislation.”

Congressional Research Service Summary of the Bipartisan Geospatial Data Act

This bill establishes: (1) in the Office of Management and Budget the Federal Geographic Data Committee (the committee), which shall be the lead entity in the executive branch for the development, implementation, and review of policies, practices, and standards relating to geospatial data; and (2) in the executive branch the National Geospatial Advisory Committee to provide advice and recommendations to the committee.

The National Spatial Data Infrastructure (as defined in this bill) shall ensure that geospatial data from multiple sources is available and easily integrated to enhance the understanding of the physical and cultural world. The committee shall prepare a strategic plan for the implementation of the infrastructure consistent with national

security, national defense, and emergency preparedness program policies regarding data accessibility.

The committee shall operate GeoPlatform, an electronic service that provides access to geospatial data and metadata for geospatial data.

Agencies whose functions involve geospatial data shall implement a strategy for advancing geographic information and related geospatial data activities appropriate to that agency's mission in support of the strategic plan for the infrastructure. Such agencies shall disclose each contract, cooperative agreement, grant, or other transaction that deals with geospatial data.

Four years after enactment of this bill, federal funding shall not be made available for the collection, production, acquisition, maintenance, or dissemination of geospatial data that does not comply with applicable standards established by the committee.

The committee and agencies using geospatial data shall rely upon and use private individuals and entities for the acquisition of commercially available surveying and mapping and the provision of geospatial data and services, to the maximum extent practical.

The bill requires the Federal Acquisition Regulation to be revised to specify that the definition for "architectural and engineering services" includes surveying and mapping services and the acquisition of geospatial data.

A Senate version of this bill was introduced by Senators Orrin Hatch (R-UT) and Mark Warner (D-VA) on May 25, 2017.

(Article continued on next page)



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Analysis

The Truth about S.1253

A bill recently introduced in the United States Senate by Senator Orrin Hatch (R-UT) and others, known as the Geospatial Data Act, S.1253, has caused a stir among some geospatial organizations. Primarily developed at the urging of the National States Geographic Information Council (NSGIC), National Association of State Chief Information Officers (NASCIO), the National Association of Counties (NACo), the legislation is intended to improve the governance and coordination of federal geospatial activities. MAPPS and NSPS were among the organizations consulted by the bill's sponsor and it reflects many of these organizations' suggestions.

A provision in the bill reinforces and helps clarify the application of the Brooks Act's qualifications based selection (QBS) process to surveying and mapping activities. Opponents of the bill, and the QBS provision, make several claims that are opinions, not facts.

Some claim the Brooks Act is "exclusionary procurement" that would "limit competition". In fact, since 1984, the Brooks Act has been recognized as a "competitive procedure" in a Federal law known as the Competition in Contracting Act (CICA), which means "procedures under which the head of an agency enters into a contract pursuant to full and open competition".

Moreover, it has long been recognized that agencies receive more proposals using the QBS process than when price competition is utilized. Rather than limiting competition, QBS attracts more competition.

It has also been claimed that geospatial services are part of information technology (IT), not the field of architecture and engineering (AE). Again, that may be one person's opinion, but the facts show no Federal law, policy or classification lumps geospatial with IT. Rather, surveying and mapping, and now "geospatial" activities have long been considered part of the broad field of architecture and engineering, not only in procurement, but employment and other government categorization, including the North American Industrial Classification System (NAICS).

Another attack opines that the Brooks Act is anti-small business. Again, the facts dismiss this erroneous allegation. According to the most recent data available from the Small Business Administration, small businesses receive 37 percent of all surveying and mapping contracts. The national goal across all industries and profession, set by Congress, is 23 percent. Thus, small business is very successful competing under the Brooks Act, and small firms do better under the QBS than under bidding.

These opinions are predicated on a complete misunderstanding, or an intentional misrepresentation, of the Brooks Act. Claims that the law, and the Geospatial Data Act, would

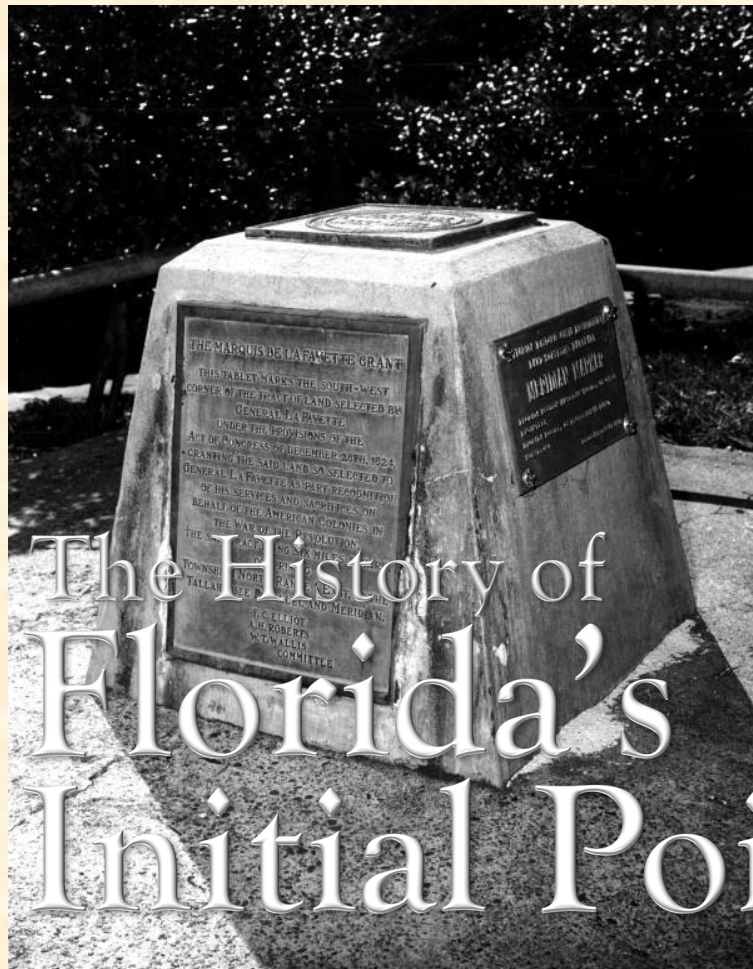
limit competition on federal geospatial contracts to "licensed A&E firms". That's not the case in current federal procurement under the Brooks Act. While any services that fall under applicable state licensing law for architecture, engineering, surveying, and mapping must follow the Brooks Act's qualifications based selection process and comply with such licensing, other related services are not subject to such licensing. Major contract programs such as the USGS GPSC contracts that serve 3DEP among other activities, the NOAA Coastal Geospatial Services contracts that serve Digital Coast and other activities, the USACE Center of Expertise for Photogrammetric Mapping contracts, the DHS Remote Sensing to Support Incident Management and Homeland Security contracts, and many others all contract based on qualifications without limiting competition to licensed A&E firms. This fact is memorialized in U.S. Army Corps of Engineers policy regulations which state, "all surveying and mapping procured by USACE must use Brooks Act procedures ... In USACE, the performance of surveying and mapping services will not be limited to A-E firms, but may include surveying and mapping professionals such as licensed surveyors, geodesists, and cartographers."

This principle is clearly stated, almost verbatim, in the Geospatial Data Act, ("data collected through the provision of services performed by professionals such as surveyors, photogrammetrists, hydrographers, geodesists, or cartographers").

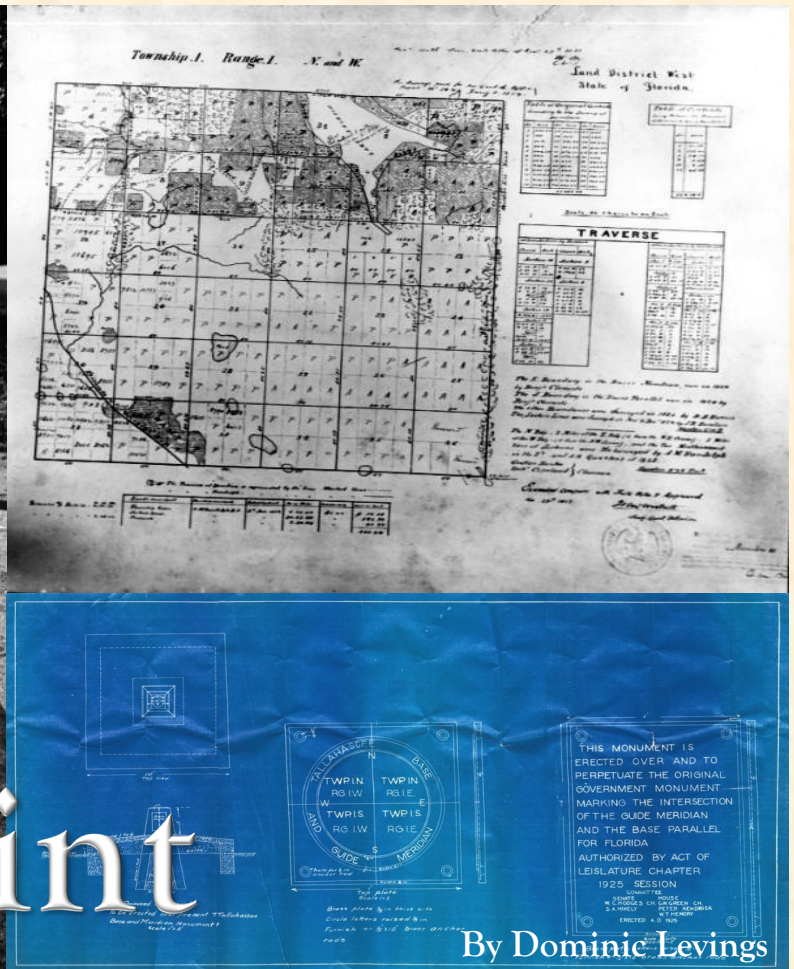
Finally, some allege that a case brought against the Federal government for failing to properly implement in regulations the intent of Congress in several legislative acts resulted in "summary judgment in ruling against the MAPPS plaintiffs". In fact, the case brought by MAPPS and other associations was dismissed for lack of standing, not on the facts or legal issues in the matter.

To use one of today's popular terms, these allegations constitute "fake news". The opinion attacks are without merit or factual basis. MAPPS and NSPS worked closely with Senator Hatch and others, particularly NSGIC, on this legislation. Senator Hatch's staff welcomed and considered input from all interested parties and made drafts of the bill available for comment prior to the bill's introduction. Rather than participate, a number of groups sat on the sidelines and then lobbed grenades from the outside, a full month after the bill was formally introduced. This does nothing to help advance the goal of Senator Hatch and his bipartisan cosponsors, which is to provide sorely needed reform to the governance, organization and coordination of federal geospatial activities.

John M. Palatiello
July 7, 2017



The History of Florida's Initial Point



In 1824, George Walton, Florida's Territorial Secretary, selected the location from which all future surveys in Florida would originate. The point he selected has originated a lore of itself ever since.

On March 14th, 2014, the City of Tallahassee opened Cascades Park, a unique, newly-renovated modern park that doubles as a stormwater facility for the surrounding area. In the middle of the park, guests will find a large plaza, with a granite imprint of Florida on it. In the northwest corner of the imprint, a plaque sits over Leon County, commemorating the exact location of Florida's Initial Point. It is from this initial point, and the prime meridian and base line that extend from it, that all of Florida's land surveying boundaries originate from.

Cascades Park originally opened in 1978, however, it closed in 1989 due to nearby soil contamination. For the next 25 years, the park had next to no present-day significance in Tallahassee. To the common passerby, it was nothing more than a rundown landfill or a construction site. However, its appearance betrayed the fact that it is one of Tallahassee's most important historical landmarks. In fact, the area was added to the National Register of Historic Places in 1971.

In 1823, two years after Florida became a territory, Territorial Governor William Duval (the namesake of Duval county) commissioned the formation of a new state capital. Two men from opposite sides of the state, John Lee Williams of Pensacola and Dr. John Simmons of St. Augustine, met in the area now known as Tallahassee. One of the areas they explored and camped at was present-day Cascades Park. The two men would select land just



Cascades Park in downtown Tallahassee, which opened in 2014 after extensive renovations.

northwest of this area to be the seat of the Florida's government. To this day, the Capitol complex (and the Old Capitol museum) are just northwest of Cascades Park.

The leaders of early Florida recognized the necessity for properly establishing boundary lines, in order to efficiently delineate and sell new land. Without such a system in place, new settlers were less inclined to move to the new territory. By 1823, the federal government had already established the Public Land Survey System, which stipulated that new land be divided into townships that measured six miles by six miles, with 36 one-square-mile sections comprising the whole.

Therefore, an initial point (or point of beginning) for all surveys had to be established in Florida. A prime meridian line that ran north-south and a base line that ran east-west would originate from this initial point. All future townships and subsequent boundary surveys would be dictated in relation to this exact spot.

However, complications arose in 1824 when the time came to choose the precise location of the initial point. Robert Butler, the appointed Surveyor General for the Florida Territory, had not yet arrived at the territory. Duval was meeting with local Native Americans south of Tallahassee in the St. Marks area. Therefore, the task fell onto Territorial Secretary George Walton.

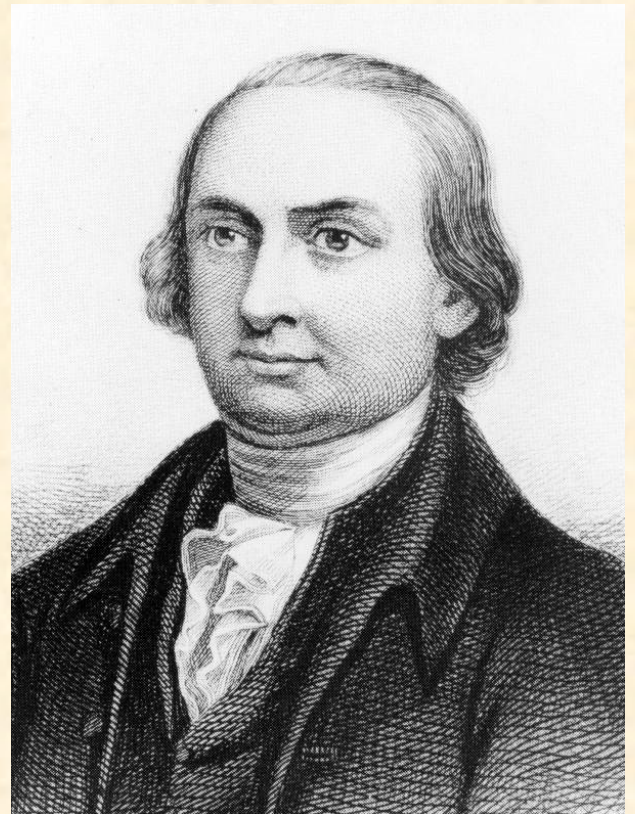
There is some legend surrounding how Walton chose the exact spot for the initial point. It is rumored that while hauling a large stone to mark the spot, it rolled off his wagon some 200 yards short, and it was too heavy to move, so they agreed on that spot. However, it is more widely accepted that Walton simply drove a stake into the ground. In any case, the location was not coincidentally chosen; it was in the same area that Williams and Simmons had occupied just one year earlier, just southeast of the seat of government.

Benjamin Clements and Charles C. Stone were hired to survey the prime meridian and base line from the initial point. Clements would run the prime meridian north to the Georgia state

line, and south to the Gulf of Mexico; he would also run the base parallel west to Perdido, near present-day Pensacola. Stone was contracted to run the base parallel east to the Atlantic Ocean. The two men faced a variety of hardships and complications while surveying the new Florida frontier. They endured the ever-present threat of hostile Native Americans, Florida's humid tropical climate, and disease and illness. In fact, Clements' son, Hosea, would succumb to malaria just years later in 1831.

Once the prime meridian and base lines were established, the territory was ready for efficient land allotment. In the ensuing decades, Florida would see exponential growth and development, and achieve statehood in 1845. It is in this period, however, that the precise location of the initial point faded from interest. From the moment the prime meridian and base line were fixed, the initial point lost all relative significance. Once township surveys began to proliferate, Florida's boundary lines naturally reinforced their own institutional strength. The only significance of the original initial point, then, was from a historical aspect.

Hence, in 1891, the City of Tallahassee asked the Florida Surveyor General, John C. Slocum, to aid in finding the original point of beginning and to establish a permanent monument for



George Walton II, who selected the original Initial Point of Florida. His father (George Walton) signed the Declaration of Independence.

the site. After receiving funding from the U.S. General Land Office, Slocum hired John M. Cook, a Tallahassee engineer, to find the original initial point. Cook would retrace nearly 15 miles of survey lines to establish what he believed to be the initial point. During his work, both himself and Slocum attempted to find Walton's original mark (the wooden stake), but with no success. Cook completed his work in 1892 and Slocum signed off on the location of the initial point which Cook had identified. A large boulder, which had to be transported from the Wakulla County area, would serve as the new official monument for the initial point.

However, just 33 years later, in 1925, the Florida Legislature approved the construction of a new monument marking the initial point, due to the boulder monument having disintegrated from time and the elements. That new monument stayed erect until 2010, when Cascades Park underwent renovations. It was transported to the headquarters of the Florida Surveying and Mapping Society, where it still resides today. The current monument to identify the initial point - the plaza - was constructed during the park renovations. Interestingly, during the renovations, no trace of the 1892 boulder could be found anywhere. However, since it was originally removed for being in a fragile physical state, it probably disintegrated completely or was broken up and removed entirely.

There is still debate over whether the 1892 boulder (and subsequently, the 1925 monument and current plaza monument) precisely mark Walton's 1824 initial point. Cook's methods to identify the initial point in 1891 were questionable, even by 19th-century standards. Furthermore, in 1923, Tallahassee engineer Miller Walston again attempted to find the precise initial point and identified a location just feet away from the boulder. He dug several feet down and found the remains of a wooden stake, which he claimed to be Walton's. However, there is no concrete



*The 1925 monument, where the boulder monument formerly stood..
Circa 1958.*



*The current monument that opened at Cascades Park in 2014.
The plaque marking the Initial Point is in Leon County.*

evidence supporting this claim.

Aside from serving as the basis for all surveys conducted in Florida, the initial point once served another great purpose. That purpose involves General Marquis de Lafayette, the Frenchman who sailed across the Atlantic at age 20 to aid George Washington in the American Revolution in 1777. Lafayette was named a general of the Continental Army almost immediately upon his arrival, and fought against British General Charles Cornwallis in the decisive Yorktown victory of 1781.

In 1824, in recognition of Lafayette's contributions to America, Congress gifted him a large sum of money and three tracts of land across the country. One of the tracts was a township in present-day Tallahassee, and the southwest corner of that land was marked by the initial point that Walton had selected that very same year. The township (36 square miles) amounted to just over 23,000 acres of land. Lafayette sold the first parcel of land in 1833, and today, 184 years later, it is comprised of 24,400 separate parcels with a market value of \$5.4 billion in the heart of Tallahassee.



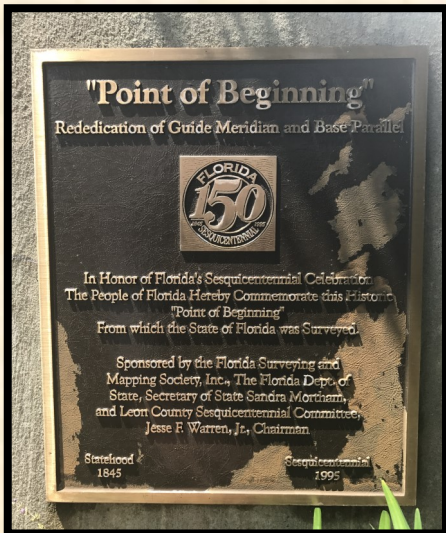
*Portrait of a young Marquis de Lafayette, by
Charles Wilson Peale.*



The 1925 monument outside of the Florida Surveying and Mapping Society headquarters. The plaques mounted on it are shown below.



The plaque that now marks the initial point, with the coordinates for the original township.



Point of Beginning

Rededication of Guide Meridian and Base Parallel

In honor of Florida's Sesquicentennial Celebration, The people of Florida hereby commemorate this historic "point of beginning" from which the State of Florida was surveyed. Sponsored by the Florida Surveying and Mapping Society, the Florida Dept. of State, Secretary of State Sandra Mortham, and Leon County Sesquicentennial Committee, Jesse F. Warren, Jr., Chairman.

1995



The Marquis de Lafayette Grant

This tablet marks the southwest corner of the tract of land selected by General Lafayette under the provision of the Act of Congress of December 28th, 1824, granting the said land so selected to General Lafayette as part recognition for his services and sacrifices on behalf of the American Colonies in the War of the Revolution. The said tract being six miles square, comprising Township 1 North, Range 1 East, of the Tallahassee Parallel and Meridian.



This monument is erected over and to perpetuate the original government monument marking the intersection of the guide meridian and the base parallel for Florida. Authorized by Act of Legislature Chapter 10188.

1925 Session
Erected A.D. 1925

Did YOU Ever WONDER Why?

Michael Whitling, PSM

Why when someone finds a suitable job it is said that he found his “niche?”

“Niche has two specific meanings; a place or position particularly suited to the person or thing in it and a recess or hollow in a wall or statue. These both make sense when you know that “niche” comes from the Old French noun “nichier,” meaning to nestle, nest, or build a nest.

Why is a reflected sound called an “echo?”

The word “echo”, as we use it, comes from Greek mythology. Echo was a Nymph whose job it was to talk to Hera constantly while Zeus was having affairs, thus distracting Hera. When Hera found out, she cursed Echo to only be able to repeat what someone else had said, thus, the word “echo”. After “Echo” was cursed, she fell in love with Narcissus. As we know, Narcissus could only love himself, so he rejected “Echo” and broke her heart. She then went and haunted valleys and mountainous areas where “echoes” are able to be heard in all the hollow places of the earth.



Why is something that misleads or distracts called a “red herring?”

In a literal sense, there is no such fish as a “red herring”; it refers to a particularly strong kipper, a fish (typically a herring) that has been strongly cured in brine and/or heavily smoked. This process makes the fish particularly pungent smelling and, with strong enough brine, turns its flesh reddish. The term “red herring” originates from the tradition whereby young hunting dogs in Britain were trained to follow a scent with the use of a “red herring.” The pungent fish would be dragged across a trail until the puppy learned to follow the scent. Later, when the dog was being trained to follow the faint odor of a fox or a badger, the trainer would drag a red herring (which has a much stronger odor) across the animal’s trail at right angles. The dog would eventually learn to follow the original scent rather than the stronger scent. In literature, the most commonplace use of a “red herring” is in mystery or fiction. One particular character is described or emphasized in a way that seems to throw suspicion upon that character as the person who committed the crime. Later it develops that someone else is the guilty party.



Why is something that is defective called a “dud?”

I can remember my father telling me to put on my “duds.” “Dud” comes from “dudde”, a Middle ages word for clothing, specifically a cloak made of coarse material. In the 16th century, “duds” also came to mean worn-out or ragged clothing. By the early 1900’s, “dud” became a slang term for something defective or useless. It was widely used in World War I, to denote a bomb that failed to explode. Now “dud” refers to anything that doesn’t work out the way you want. Note: The candy Milk Duds is so named because it was impossible to get them perfectly round.

Quick Facts:

- ⇒ More than 50 percent of the people who are bitten by venomous snakes in the United States and who go untreated still survive.
- ⇒ Roasted coffee beans start to lose small amounts of flavor within two weeks. Ground coffee begins to lose its flavor in one hour. Brewed coffee and espresso begins to lose flavor within minutes.
- ⇒ The disorder known as Alice-in-Wonderland Syndrome causes body-image distortion, making people feel they are extremely tiny or gigantic.
- ⇒ Bluefin tuna populations have dropped more than 96 percent, primarily due to increasing sushi demands. Most of the bluefin tuna fishing occurs off the coast of Japan, which has very few limits on tuna fishing



- ⇒ Milk as an additive to coffee became popular in the 1680's, when a French physician recommended that cafe au lait be used for medicinal purposes.
- ⇒ Medical care of the mentally ill became more humane after the publication of Darwin's Origin of the Species in 1859, when people realized that insanity was hereditary. Previously, it had been seen as demonic possession, loss of a soul, weakness of character, or a feminine trait.

- ⇒ The first ready-to-eat breakfast cereal was Shredded Wheat in 1893. It beat Kellogg's Corn Flakes by just five years.
- ⇒ On its first night of operation in 1982, the UPS Worldport facility processed 2,000 packages. It now handles that number in 30 seconds.



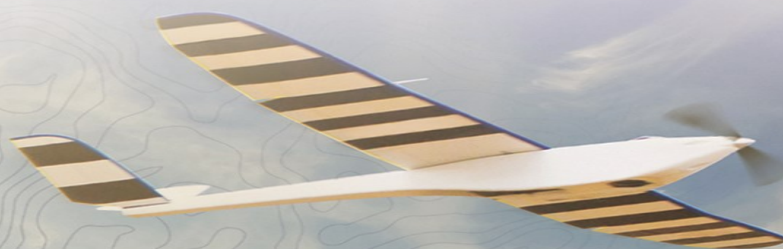
- ⇒ For a product to be labeled "Made in the USA" the Federal Trade Commission requires that at least 70 percent of the parts and labor come from the United States.
- ⇒ The FBI's fingerprint database is the largest in the world. It receives 34,000 new fingerprint cards a day.
- ⇒ The first man to fly over the North Pole and the South Pole was called Dickie Byrd.
- ⇒ In the 1960 Olympic Winter Games in Squaw Valley, California, officials were unsure if a skier had missed a gate in the men's slalom. They asked a broadcaster if they could review the videotape and the "instant replay" was born.
- ⇒ In the 1600s, mental patients were a tourist attraction in London at the Hospital of St. Mary. Anyone who paid a penny could observe and taunt the "lunatics" for their own amusement.

Send your thoughts to drmjlw@aol.com

1.3 CM ACCURACY FROM THE AIR

**AERIAL
SURVEY
SOLUTIONS.**

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Family Photos



Christopher Carozza helped out his dad (Michael) at the Brightline Station in Miami.



Manny Vera, Jr. and his family on summer vacation in Europe.



Executive Director Tom Steckler and his grandkids, Kaitlyn and Tyson, at Yellowstone National Park.



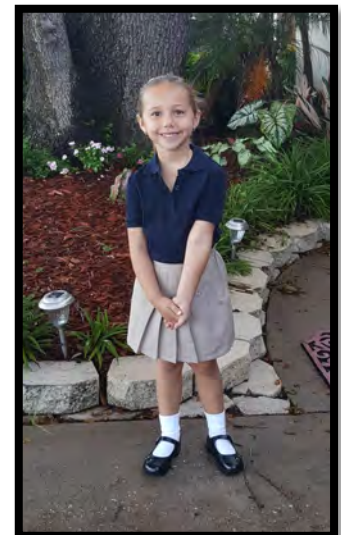
Tom and Karen Shahan at the Blue Ridge Parkway.



Richard Allen and his family in Roswell, New Mexico.



Surveying alumni of the University of Florida Gators scalloping in Steinhatchee. From left: Britney Powell (2017), Jack Breed (1982), Pam Hyatt (1990), Russell Hyatt (1990), Ken Glass (1990), Jeff Cory (1983)



Charlize Hall, daughter of Sam and Iarelis Hall, on her first day of school.



Florida Surveying and Mapping Society

2017 eLearning Courses



Basics of Real Property
Course #8360 (3 General
CEC)

\$ 70⁰⁰



Boundaries in Florida
Course #8255 (6
SOP/L&R CEC)

\$ 120⁰⁰



Contracts for the
Professional Course
#8412 (3 General CEC)

\$ 70⁰⁰



Elevation Certificates and
the Community Rating
System Course #8256 (3
General CEC)

\$ 70⁰⁰



Ethics for the Design
Professional Course
#8621 (6 General CEC)

\$ 120⁰⁰



Florida Laws Course
#7149 (6 SOP/L&R CEC)

\$ 120⁰⁰



Professional Ethics and
Professional Courtesy
FULL Video Course
#8363 (6 General CEC)

\$ 120⁰⁰



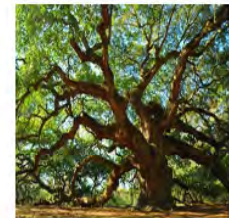
Georgia Technical
Standards for Property
Surveys Course #8554 (6
General CEC)

\$ 120⁰⁰



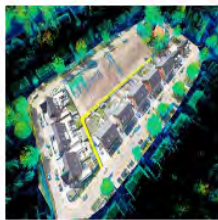
History of Surveying
Course #7140 (6 General
CEC)

\$ 120⁰⁰



Identification of Native
and Non-Native Trees in
Florida Course #8132 (6
General CEC)

\$ 120⁰⁰



Introduction to
Photogrammetry Course
#7968 (3 General CEC)

\$ 70⁰⁰



Land Tenure and
Cadastral Systems
Course #8260 (6 General
CEC)

\$ 120⁰⁰



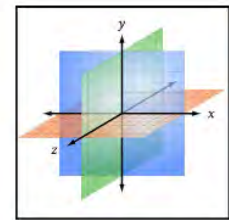
Map Projections and
Plane Coordinate
Systems Course #8261 (6
General CEC)

\$ 120⁰⁰



Mean High Water
Observations &
Computations Course
#8262 (6 General CEC)

\$ 120⁰⁰



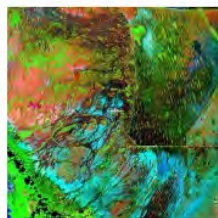
Practical Geometry for
Surveyors Course #7141
(6 General CEC)

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Public Land Survey
System Course #7147 (6
General CEC)

\$ 120⁰⁰



Remote Sensing
Applications to Surveying
& Mapping Course #7148
(6 General CEC)

\$ 120⁰⁰



Writing Boundary
Descriptions Course
#8362 (3 General CEC)

\$ 70⁰⁰



Correspondence Courses



Step 1: Choose Course(s)

- ☐ **5J-17 Standards of Practice (SOP), #6962, 6 SOP/L&R CEC**
- ☐ **A History of the Prime Meridian Marker, #8403, 3 General CEC**
- ☐ **Basics of Real Property, #8359, 3 General CEC**
- ☐ **Boundaries in Florida, #7667, 6 SOP/L&R CEC**
- ☐ **Chapter 177, Platting (Plat Law), #6970, 6 SOP/L&R CEC**
- ☐ **Client Satisfaction Excellence for Surveying and Mapping Professionals, #7229, 6 General CEC (Only available by mail)**
- ☐ **Contracts for the Professional, #8411, 3 General CEC**
- ☐ **Critical Communication for Surveying & Mapping Professionals, #7228, 6 General CEC (Only available by mail)**
- ☐ **Digital Signatures for Surveyors, #8491, 3 General CEC**
- ☐ **Elevation Certificates and the Community Rating System, #8257, 3 General CEC**
- ☐ **Ethics for the Design Professional, #8620, 6 General CEC**
- ☐ **Florida Laws, #6966, 6 SOP/L&R CEC**
- ☐ **Georgia Technical Standards for Property Surveys, #8553, 6 General CEC**
- ☐ **Geographic Information Systems (GIS), #7107, 6 General CEC**
- ☐ **History of Surveying, #7108, 6 General CEC**
- ☐ **Identification of Native and Non-Native Trees in Florida, #7874, 6 General CEC**
- ☐ **Introduction to Photogrammetry, #7887, 3 General CEC**
- ☐ **Land Tenure and Cadastral Systems, #7829, 6 General CEC**
- ☐ **Map Projections and Plane Coordinate Systems, #7669, 6 General CEC**
- ☐ **Mean High Water Observations and Computations, #8220, 6 General CEC**
- ☐ **Practical Geometry for Surveyors, #7109, 6 General CEC**
- ☐ **Public Land Survey System, #6979, 6 General CEC**
- ☐ **Remote Sensing Applications to Surveying & Mapping, #6972, 6 General CEC**
- ☐ **Stress Management for Surveyors & Mappers: How to be Productive Under Pressure, #6902, 6 General CEC (Only available by mail)**
- ☐ **Time Management for Surveyors & Mappers: How to be Productive & Exercise Time Mastery in A Hectic World, #6901, 6 General CEC (Only available by mail)**
- ☐ **Writing Boundary Descriptions, #8361, 3 General CEC**



Correspondence Courses Order Form

Step 2: Choose Member Type

☐ **FSMS Member**

EMAILED		Quantity			
6 CEC	\$115 Per Course	x	_____	=	\$ _____
3 CEC	\$58 Per Course	x	_____	=	\$ _____
MAILED					
6 CEC	\$125 Per Course	x	_____	=	\$ _____
3 CEC	\$68 Per Course	x	_____	=	\$ _____
TOTAL			_____		\$ _____

☐ **Non-Member**

EMAILED		Fee	Quantity		Amount
6 CEC	\$135 Per Course	x	_____	=	\$ _____
3 CEC	\$78 Per Course	x	_____	=	\$ _____
MAILED					
6 CEC	\$145 Per Course	x	_____	=	\$ _____
3 CEC	\$88 Per Course	x	_____	=	\$ _____
TOTAL			_____		\$ _____

☐ **Non-Licensed in ANY State**

EMAILED		Fee	Quantity		Amount
6 CEC	\$100 Per Course	x	_____	=	\$ _____
3 CEC	\$60 Per Course	x	_____	=	\$ _____
MAILED					
6 CEC	\$110 Per Course	x	_____	=	\$ _____
3 CEC	\$70 Per Course	x	_____	=	\$ _____
TOTAL			_____		\$ _____

Step 3: Payment Information

Name: _____ PSM#: _____ State: _____ FSMS Member: ____ YES ____ NO

Firm: _____ Sustaining Firm: ____ YES ____ NO

Address: _____

City/State: _____ Zip Code: _____

Email Address: _____ Work Phone: _____

Payment Information: _____ Check Enclosed (Payable to FSMS) _____ VISA/MasterCard/American Express

Card #: _____ Exp. Date: _____ Card CVV Number (3 or 4 Digits) _____

Billing Address for Credit Card: _____

Signature: _____

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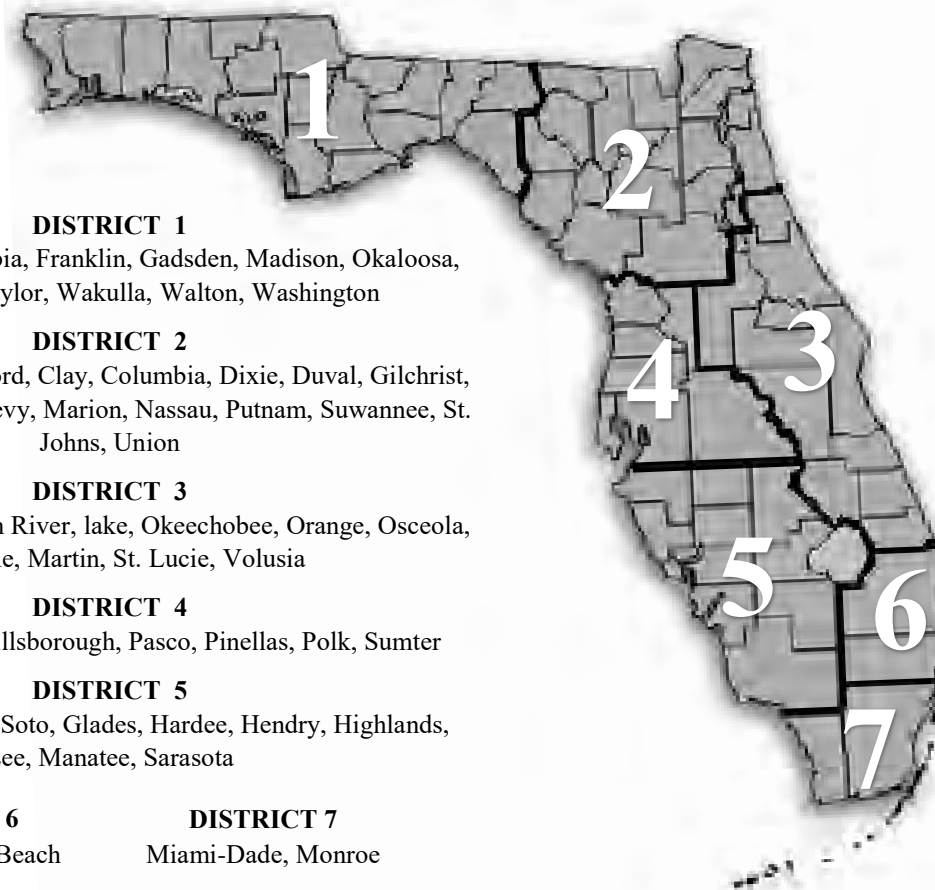
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Strategic Planning Committee	Dianne Collins
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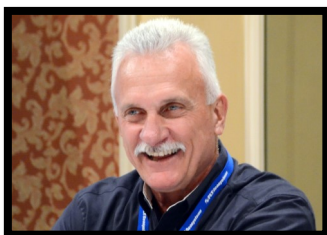
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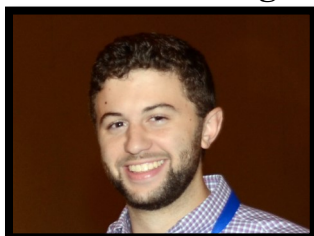
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The Florida Surveyor is the official publication of the Florida Surveying and Mapping Society, Inc. (FSMS). It is published monthly for the purpose of communicating with the professional surveying community and related professions who are members of FSMS. Our award winning publication informs members eleven months of the year of national, state, and district events and accomplishments as well as articles relevant to the surveying profession. The latest educational offerings are also included.

2017-2018 Sustaining Firms

A M Engineering, Inc.	941-377-9178	Caulfield & Wheeler, Inc.	561-392-1991
Accuright Surveys Of Orlando, Inc .	407-894-6314	Causseaux Hewett & Walpole, Inc.	352-331-1976
Aerial Cartographics Of America, Inc.	407-851-7880	Central Florida Surveys, Inc.	407-262-0957
Aim Engineering & Surveying, Inc.	239-332-4569	Chastain-Skillman, Inc.	863-646-1402
All County Surveyors, Inc.	800-860-9119	Choctaw Engineering, Inc.	850-862-6611
Allen & Company, Inc.	407-654-5355	Civilsurv Design Group, Inc.	863-646-4771
Allen Engineering, Inc.	321-783-7443	Clary & Associates, Inc.	904-260-2703
Alvarez, Aiguesvives & Associates, Inc.	305-220-2424	Coffin & Mclean Associates, Inc.	352-683-5993
AM Engineering, Inc.	941-377-7178	Collins Survey Consulting LLC	863-937-9052
American Consulting Engineers Of FL, LLC	813-435-2600	Compass Engineering & Surveying, Inc.	727-822-4151
American National Commercial Real Estate Service, LLC	239-963-2245	Compass Point Surveyors PL	954-332-8181
American Surveying, Inc .	813-234-0103	Control Point Associates FL, LLC	908-668-0099
Ameritt, Inc.	813-221-5200	Controlcam, LLC	904-758-2601
ARC Surveying & Mapping, Inc.	904-384-8377	Countywide Surveying, Inc.	850-769-0345
Associated Land Surveying & Mapping, Inc.	407-869-5002	Cousins Surveyors & Associates, Inc.	954-689-7766
ATS Land Surveying, LLC	386-264-8490	CPH, Inc.	407-322-6841
Avirom & Associates, Inc.	561-392-2594	Craven-Thompson & Assoc, Inc.	954-739-6400
Bannerman Surveyors, Inc.	850-526-4460	Cross Surveying, LLC	941-748-8340
Barraco And Associates, Inc.	239-461-3170	Culpepper & Terpening, Inc.	772-464-3537
Bartram Trail Surveying, Inc.	904-284-2224	Dagostino & Wood, Inc.	239-352-6085
Baseline Engineering And Land Surveying, Inc.	561-417-0700	Deal Land Surveying LLC	407-878-3796
Bay Area Sinkhole Investigation & Civil Engineering, LLC	813-885-4144	Degrove Surveyors, Inc.	604-722-0400
Bay Area Surveying And Mapping, Inc.	727-271-0146	Dennis J. Leavy & Associates	561-753-0650
BBLS Surveyors, Inc.	239-597-1315	Deren Land Surveying LLC	352-331-0010
Bean Whitaker Lutz & Kareh, Inc.	239-481-1331	Diversified Design & Drafting Services, Inc.	850-385-1133
Banks Engineering	239-939-5490	DMK Associates, Inc.	941-475-6596
Bello & Bello Land Surveying Corporation	305-251-9606	Donald F. Lee & Associates, Inc.	386-755-6166
Benchmark Land Services, Inc.	239-591-0778	Donald W. McIntosh Associates, Inc.	407-644-4068
Benchmark Surveying And Land Planning	850-994-4882	Donoghue Construction Layout LLC	321-248-7979
Beta Company Surveying, Inc.	941-751-6016	Douglass Leavy & Associates, Inc.	954-344-7994
Betsy Lindsay, Inc.	772-286-5753	DRMP, Inc.	407-896-0594
Biscayne Engineering Company, Inc.	305-324-7671	DSW Surveying and Mapping, PLC	352-735-3796
Boatwright Land Surveyors, Inc.	904-241-8550	E.R. Brownell & Associates, Inc.	305-860-3866
Bock & Clark Corporation	330-665-4821	Echezabal & Associates, Inc.	813-933-2505
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Bradshaw-Niles & Associates, Inc.	904-829-2591	Edwin G. Brown & Associates, Inc.	850-926-3016
Brown & Phillips, Inc.	561-615-3988	E.F. Gaines Surveying Services, Inc.	239-418-0126
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C&M Roadbuilders	941-758-1933	ESP Associates PA	803-802-2440
Calvin, Giordano & Associates, Inc.	954-921-7781	Evans Land Surveying, Inc.	727-734-3821
Cardno, Inc.	407-629-7144	Exacta Land Surveyors, Inc.	305-668-6169
Carter Associates, Inc.	772-562-4191	F. R. Aleman & Associates, Inc.	305-591-8777
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Flanary Surveying and Mapping, Inc.	941-915-8655	Long Surveying, Inc.	407-330-9717
Florida Engineering and Surveying, LLC.	941-485-3100	Ludovici & Orange Consulting Engineers, Inc.	305-448-1600
Foley/Koloarik, Inc.	941-722-4561	Manuel G. Vera & Associates, Inc.	305-221-6210
Fortin, Leavy, Skiles, Inc.	305-653-4493	Mapping Resource Group, Inc.	386-439-4848
Franklin Surveying & Mapping, Inc.	407-846-1216	Marco Surveying & Mapping, Inc.	239-389-0026
Ganung-Belton Associates, Inc.	407-894-6656	Mark Dowst & Associates, Inc.	386-258-7999
Gary G. Allen, Regis Land Surveying, Inc.	850-877-0541	Maser Consulting P.A.	813-207-1061
Geodata Consultants, Inc.	407-732-6965	Massey-Richards Surveying & Mapping LLC	305-853-0066
Geoline Surveying, Inc.	386-418-0500	Masteller, Moler & Taylor, Inc.	772-564-8050
Geomatics Corp.	904-824-3086	McKim & Creed, Inc.	919-233-8091
GeoPoint Surveying, Inc.	813-248-8888	Mehta & Associates, Inc.	407-657-6662
George F. Young, Inc.	727-822-4317	Metron Surveying And Mapping LLC	239-275-8575
GeoSurv LLC	877-407-3734	Millman Surveying, Inc.	330-342-0723
Germain Surveying, Inc.	863-385-6856	Mock Roos & Associates, Inc.	561-683-3113
GPServ, Inc.	407-601-5816	Moore Bass Consulting, Inc.	850-222-5678
Greenman-Pedersen, Inc.	352-547-3080	Morgan & Eklund, Inc.	772-388-5364
GRW Engineers, Inc.	859-223-3999	Morris-Depew Associates, Inc.	239-337-3993
Gustin, Cothorn & Tucker, Inc.	850-678-5141	Murphy's Land Surveying, Inc.	727-347-8740
H. L. Bennett & Associates	863-675-8882	Northstar Geomatics, Inc.	772-781-6400
Hamilton Engineering & Surveying	813-250-3535	Northwest Engineering, Inc.	813-889-9236
Hanson Professional Services, Inc.	217-788-2450	O'Brien Suiter & O'Brien, Inc.	561-276-4501
Hanson, Walter & Associates, Inc.	407-847-9433	Oceanside Land Surveying LLC	386-763-4130
Hayhurst Land Surveying, Inc.	772-569-6680	Omni Communications LLC	813-852-1888
HLSM LLC	407-647-7346	On The Mark Surveying LLC	321-626-6376
Hole Montes, Inc.	239-254-2000	Peavey & Associates Surveying & Mapping, PA	863-738-4960
Honeycutt & Associates, Inc.	321-267-6233	Pec - Survey & Mapping LLC	407- 542-4967
HSA Consulting Group, Inc.	850-934-0828	Pennoni Associates, Inc.	215-222-3000
Hutchinson, Moore & Rauch	251-626-2626	Pickett & Associates, Inc.	863-533-9095
Hyatt Survey Services, Inc.	941-748-4693	Platinum Surveying & Mapping LLC	863-904-4699
I.F. Rooks & Associates, Inc.	813-752-2113	Point To Point Land Surveyors, Inc.	678-565-4440
Inframap Corp.	804-550-2937	Polaris Associates, Inc.	727-461-6113
John Ibarra & Associates, Inc.	305-262-0400	Porter Geographical Positioning & Surveying, Inc.	863-853-1496
John Mella & Associates, Inc.	813-232-9441	Precision Surveying & Mapping, Inc.	727-841-8414
Johnson, Mirmiran & Thompson, Inc.	813-314-0314	Pulice Land Surveyors, Inc.	954-572-1777
Johnston's Surveying, Inc.	407-847-2179	Q Grady Minor And Associates, PA	239-947-1144
Jones, Wood & Gentry, Inc.	407-898-7780	Robayna & Associates, Inc.	305-823-9316
Keith & Associates, Inc.	954-788-3400	Reece & White Land Surveying, Inc.	305-872-1348
Keith & Schnars, P.A.	954-776-1616	Rhodes & Rhodes Land Surveying, Inc.	239-405-8166
Kendrick Land Surveying	863-533-4874	Richard P. Clarson & Associates, Inc.	904-936-2623
King Engineering Associates, Inc.	813-880-8881	Riegl USA	407-248-9927
Kugelman Land Surveying, Inc.	321-459-0930	Ritchie & Associates, Inc.	850-914-2774
Kuhar Surveying & Mappin LLC	386-295-8051	RJ Rhodes Engineering, Inc.	941-924-1600
Landmark Engineering & Surveying Corporation	813-621-7841	Robert A. Stevens & Associates	863-559-1216
Leading Edge Land Services, Inc.	407-351-6730	Robert M. Angas Associates, Inc.	904-642-8550
Leiter Perez & Associates, Inc.	305-652-5133	Rogers Engineering LLC	352-622-9214
Leo Mills & Associates	941-722-2460	Rogers, Gunter, Vaughn Insurance, Inc.	850-396-1111
Littlejohn Engineering Associates, Inc.	407-975-1273	S&ME, Inc.	407--975-1273
Lochrane Engineering, Inc.	407-896-3317	SCR & Associates NWFL, Inc.	850-265-6979
		Sergio Redondo & Associates, Inc.	305-378-4443

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Shah Drotos & Associates, Inc.	954-943-9433	Thurman Roddenberry & Associates, Inc.	850-962-2538
Sherco, Inc.	863-453-4113	Tuck Mapping Solutions, Inc.	276-523-4669
Sliger & Associates, Inc.	386-761-5385	Upham, Inc.	386-672-9515
Southeastern Surveying And Mapping Corporation	407-292-8580	Wade Surveying, Inc.	352-753-6511
Spalding Dedecker Associates Inc	248-844-5404	Wallace Surveying Corporation	561-640-4551
Stephen H Gibbs Land Surveyors, Inc.	954-923-7666	Wantman Group, Inc.	561-687-2220
Stephen J. Brown, Inc.	772-288-7176	WBQ Design & Engineering, Inc.	407-839-4300
Strayer Surveying & Mapping, Inc.	941-497-1290	Winningham & Fradley, Inc.	954-771-7440
Suarez Surveying & Mapping	305-596-1799	Woolpert, Inc.	937-461-5660
Survtech Solutions, Inc.	813-621-4929	York & Associates Engineering, Inc.	229-248-0141
Tetra Tech, Inc.	407-839-3955	ZNS Engineering LLC	941-748-8080

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November 2-3, 2017

Board of Directors Meeting
Lakeland

November 6-8, 2017

FDACS BPSM
West Palm Beach

February 9-10, 2018

Board of Directors Meeting
Tallahassee

March 18-24, 2018

National Surveyor's Week

Past Presidents

1956

H.O. Peters
Harry C. Schwebke
John P. Goggin
R.H. Jones

1960

Hugh A. Binyon
Russell H. DeGrove
Perry C. McGriff
Carl E. Johnson
James A. Thigpenn, III
Harold A. Schuler, Jr.
Shields E. Clark
Maurice E. Berry II
William C. Hart
Frank R. Schilling, Jr.

1970

William V. Keith
James M. King
Broward P. Davis
E.R. (Ed) Brownell
E.W. (Gene) Stoner
Lewis H. Kent

Robert S. Harris

Paul T. O'Hargan
William G. Wallace, Jr.
Robert W. Wigglesworth

1980

Ben P. Blackburn
William B. Thompson, II
John R. Gargis
Robert A. Bannerman
H. Bruce Darden
Buell H. Harper
Jan L. Skipper
Steven M. Woods
Stephen G. Vrabel
W. Lamar Evers

1990

Joseph S. Boggs
Robert L. Graham
Nicholas D. Miller
Loren E. Mercer
Kent Green
Robert D. Cross
Thomas L. Conner

Gordon R. Niles, Jr.

Dennis E. Blankenship
W. Lanier Matthews, II
Jack Breed

2000

Arthur A. Mastronicola
Michael H. Maxwell
John M. Clyatt
David W. Schryver
Stephen M. Gordon
Richard G. Powell
Michael J. Whitting
Robert W. Jackson, Jr.
Pablo Ferrari
Steve Stinson

2010

Dan Ferrans
Jeremiah Slaymaker
Ken Glass
Russell Hyatt
Bill Rowe
Dale Bradshaw
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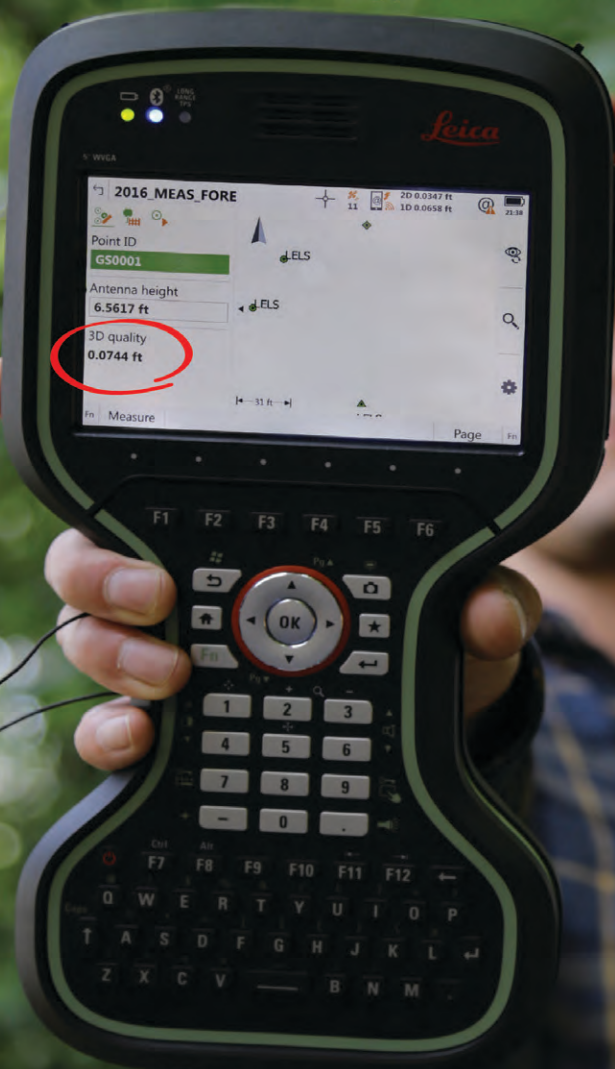
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