

# West TN Regional GIS Forum

October 18<sup>th</sup>, 2017 - STAR Center in Jackson, TN

## Agenda

8:00 – 9:00

**Breakfast and Registration**

9:00 – 10:00

“The State of Tennessee’s Public Data”

**Ryan Pittenger** – STS GIS Services

“Fayette County: We’re Spatial!”

**Jaclyn Smalley** – Fayette County Planning & Development

10:00 – 10:15

**Break**

10:15 – 11:15

“Tennessee Derivative Products Program”

**Eric Cole** – Woolpert

“Geologic Substrate Mapping”

**Daniel Adams** – US Fish & Wildlife Service

11:15 – 11:30

**Break**

11:30 – 12:00

“Business Analysis Meets Data Analysis”

**Ellie Maclin** – Allworld, **Brad Davis** – Black & Veatch, **Jon Taylor** – JEA

12:00 – 1:00

**Lunch**

1:00 – 2:00

REGIS Update

**Rick Stieg** – REGIS

“UAVs and GIS”

**Justin Abart** – SSR Inc.

2:00 – 2:15

**Break**

2:15 – 3:15

“Town Of Somerville GIS”

**Keith Reasons** – Town of Somerville

“ArcGIS Tips & Tricks”

**Kurt Snider** – US Fish & Wildlife Service

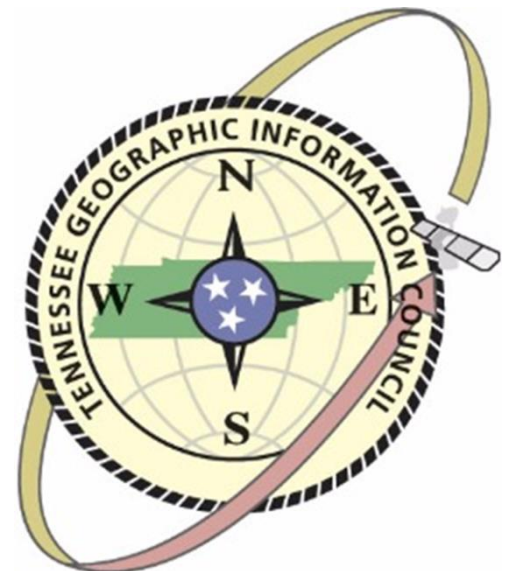
3:15 – 3:30

**Break**

3:30 – 4:00

“Don’t Fear ArcGIS Pro!”

**Daniel Adams** – US Fish & Wildlife Service



## Presentations

### **Ryan Pittenger – STS GIS Services**

#### **“The State of Tennessee’s Public Data”**

The State of Tennessee STS-GIS Services group hosts an array of geospatial data, services, and information to the public via the TNMap Data website. Additionally, the State’s Elevation Project is shared in coordination with TNGIC. This presentation will be a demonstration on each of the downloads and connections provided by STS-GIS Services. Each product’s access and usage will be outlined and demonstrated. Of significant note is the new LiDAR derived countywide 2ft contours, which will be highlighted to show how to access the data, product information, best practices, and possible use case scenarios. The purpose is to demonstrate access and showcase the wealth of information that is available to the GIS community and the citizens of the state of Tennessee. Location of TNMap Data Page: <http://tn.gov/finance/topic/gis-data-topic>

### **Jaclyn Smalley, GISP – Fayette County Planning & Development**

#### **“Fayette County: We’re Spatial!”**

This presentation details how Fayette County has joined the spatial revolution. From paper maps and protractors to a multi-purpose, robust GIS, Fayette County has evolved! Join me as I take you on a journey through the implementation of our GIS, the trials and errors along the way, lessons learned where we are now in the spatial revolution, and what we are looking to in the future. Unlike most traditional GIS implementations, we have literally “built our airplane while in flight”. The take away from this presentation is to not to be deterred from setting up your own in-house GIS, as the possibilities with GIS are endless. The sky is no longer the limit for Fayette County GIS!

### **Eric Cole – Woolpert**

#### **“Tennessee Derivative Products Program”**

With the acquisition and processing of new LiDAR for most of the State of Tennessee underway there is an opportunity to update many other sources of GIS and Geospatial data at the same time. Using recently acquired LiDAR data combined with new or existing orthoimagery a variety of new datasets can be generated and existing datasets can be updated. This presentation will discuss the many data layers that can be produced along with the processes used to produce the data. We will present information on Land Use/Land Cover, Impervious Surfaces, contours, 2D and 3D planimetrics as well as updating existing planimetrics.

### **Daniel Adams – US Fish & Wildlife Service**

#### **“Geologic Substrate Mapping”**

Join me as I guide us through a quick demonstration of ArcGIS Pro, highlighting the key differences from ArcGIS Desktop. This demonstration is meant to alleviate some of the fears of making the jump to ArcGIS Pro.

### **Ellie Maclin – Allworld, Brad Davis, PE – Black & Veatch, Jon Taylor – Jackson Energy Authority**

#### **“Business Analysis Meets Data Analysis”**

This presentation will discuss the processes utilized by JEA in terms of managing field crews, GIS upgrades/maintenance, editing and updating GIS, communication protocols, working with contractors, and finally the analysis that drives these work processes and keeps JEA accountable.

**Justin Abart, GISP** – SSR Inc.

“UAVs and GIS”

Smith Seckman Reid, Inc. has been exploring the use of unmanned aerial vehicles (UAVs) for various projects in recent years and it continues to grow as a tool for their service lines. We are pushing beyond the use of UAVs for just aerial photography and making them an important tool in the GIS toolbox. UAVs can be used to more effectively and efficiently gather data for use in GIS analyses. Through a few examples we will show how this technology continues to transform our GIS service line.

**Keith Reasons** – Town of Somerville

“Town Of Somerville GIS”

Town of Somerville GIS recently turned 3 years old and this is a presentation about what we began with (or without), where we are now, and what we’re working towards.

**Kurt Snider** – US Fish & Wildlife Service

“ArcGIS Tips & Tricks”

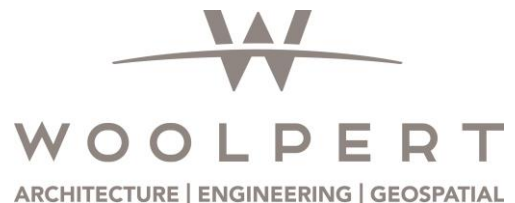
Join me for up to ten of my favorite tips and tricks gathered from years of using ESRI software. Most of these tips are cartography based but some are general gems that should not be missed. Attendees will most certainly walk away with a gold nugget or two.

**Daniel Adams** – US Fish & Wildlife Service

“Don’t Fear ArcGIS Pro!”

Join me as I present a newly developed methodology for mapping out the geologic substrates in stream habitats using side scanning sonar practices. We’ll be focusing on the Calfkiller River, located in Sparta, TN.

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