



CFGIS USER GROUP MEETING

Friday, May 6, 2022

9:00 am – 12:00 pm

DRAFT

Agenda

9:00 – 9:15: Welcome and brief announcements. If your organization has open GIS positions or is interested in finding interns, please feel free to share.

9:15 – 9:45: How Flagler County is using the SAR QuickCapture app from NAPSG

Flagler County GIS has been working to push this out state-wide. It's already being utilized by FEMA after the hurricanes off the Gulf last year and with the Surfside condo collapse for example, but every organization has the ability to download an in-house version to train on and use for small events but then also to add their deployable staff to the National group so they're ready to go in advance with the GIS capabilities.

Darlene Pardiny

Flagler County GIS Manager

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9:45 – 10:15: Understanding GIS for Next Generation 911

The most important function of government is public safety. Public safety is largely driven by the 911 system, which is currently undergoing major innovation and reinvention. And the future of 911 will be founded on locally authoritative GIS data.

Known as Next Generation 911 (NG911), this new era of technology will completely change the way 911 functions today. For this change to happen, each local jurisdiction will need accurate GIS data suited to public safety response, as well as the partnerships and work flows with GIS authorities within their jurisdictions to maintain data accuracy. How do we get there, and how do we keep the data integrity as we move forward into NG911?

This presentation will offer a brief overview of the current 911 operating environment and how technology will change to bring more data into the Public Safety Answering Point (PSAP). GIS data standards and requirements will be discussed, along with steps to take to bring the data into compliance and build the work flows needed to make and sustain these changes.

Susan Nelson, ENP, CPM | Territory Sales Manager

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10:15 – 10:45: How the National Forests in Florida are using AGOL and Field Collector in prescribe burning and wildfire efforts

The National Forests in Florida have been using ESRI's ArcGIS Online (AGOL) and Collector (now Field Maps) as part of our wildland firefighting efforts as well as an aid in prescribed burning efforts for several years. Our AGOL maps are built of primarily locally maintained data and uses National Interagency Fire Center (NIFC) data standards for wildfire feature collection. The National Forests in Florida is a grouping of three national forests, the Apalachicola, the Osceola and the Ocala National Forests. Each forest has its own unique characteristics and needs and therefore each has started with a template AGOL map and customized their own map. Features are recorded to one feature service allowing managers to view wildfires and prescribed burn efforts from a single source. The main goal of the wildfire map is to collect wildfire perimeters as a line feature, and point features, such as point of origin, drop points, and other on-the-ground information. A polygon feature is also available for recording actual fire acreage. A variety of "static" data layers are available to field users, both in the wildfire and the prescribed burning maps, most of which are turned off until needed. This includes location of private ownership, unmaintained roads that could be used as firebreaks, while other features are editable, as in helispots and water sources. Both provide up to date data for on-the-ground operations. The prescribed burning field map is primarily used for prep work prior to the burn as well as an information source during the burning operations. Currently,

fire crews are engaged in capturing accurate locations of existing fire lines and recording field prep of protection efforts for the federally endangered Red-cockaded Woodpecker. The use of Field Maps on large fire incidents is now the national standard, while the use on an individual National Forest for small wildfires and for prescribed burning is somewhat new and unique to Florida. The National Forests in Florida GIS specialists continue to explore how to promote the use of these tools as an effective way to distribute spatial information between field crews and management staff. Current efforts include deployment of AGOL maps for use by the Florida Interagency Coordination Center for more up-to-date locations as well as AGOL dashboards that allow managers to track field efforts.

Katherine Bronson

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10:45 – 11:15: The Value of a Portal

Learn how Volusia County is hoping to get a six figure cost savings from their on-premise Portal deployment. Discuss the hardware and software cost of standing up a “Base Deployment”, the ways to federate / secure a portal, and some other tips to make using Web GIS significantly easier.

Brandon Barnett, GISP

Volusia County GIS / LIS Manager
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11:15 – 11:45: How GIS is used to Fight the Bite in Volusia Part 1

Mosquito control operations are planned daily based on field collected data from ground inspectors and mosquito traps. Nighttime operations for targeting flying adult mosquitoes are drawn specific to areas that meet thresholds using a web based GIS product. This data is reconciled into frequency maps to analyze specific product usage throughout the County and plan sampling sites for mosquito resistance evaluations

Miranda Tressler

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How GIS is used to Fight the Bite in Volusia Part 2

As part of an integrated pest management program surveillance data drives mosquito control operations. Historical and current monitoring sites such as larval production assets, mosquito traps, and sentinel chicken coops are documented in GIS. Mosquito Control inspectors use a web based GIS product to plan their routes to check larval assets, document new sites, and record the results of their inspections. These larval assets are used to draw specific areas for helicopters to conduct large scale larvicide treatments to prevent emerging mosquitoes.

Rebecca Harshaw

Environmental Specialist III
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11:45 – 12:00 and briefly!

- STEAM – Some resources and ideas on how we can grow the profession
- Just What is the Central Florida GIS Workshop Anyway?
- Wrap up, announcements from the participants, adjourn