

“WHAT'S UP” WITH COBB COUNTY GIS



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COBB COUNTY

- Northwest Georgia (USA), Atlanta Metro
- Population: ~ 789,000
- 340 square miles
- 5000 County Employees



MY BACKGROUND

- First learned GIS in college (undergrad & grad school)... mid 1990's
- Started with ArcINFO & Cartography classes... “Command Line” GIS
- My First Job was as a Geologist... within first few weeks I was put with the GIS Team
- Professionally working in GIS for 25 years



LET'S FOCUS ON

“POST-COVID”

THE “NEW OFFICE”

~ WORK FROM HOME ~

~ MANAGING A REMOTE TEAM ~

~ COVID-19 LEAVE POLICIES ~

~ LAPTOPS FOR MOST STAFF ~

~ ONLINE MEETINGS ARE THE NORM ~

TEAM WORK MAKES THE DREAM WORK

Online Brainstorming Sessions



EVERYTHING IS AWESOME!



**EVEN WITH ALL
THE CHANGES...**

GIS HAS SOLUTIONS

- We know the data
- We can provide access to the data
- We can analyze data
- We can make dashboards

MODERN OBJECTIVE (POST COVID):

**TEACH ABOUT “DATA LITERACY” (NOT “MAPS”)
IN THE CONTEXT OF ANSWERING QUESTIONS
FOR EXECUTIVES & CITIZENS**

CURRENT VERSIONS

- Main PORTAL, RDS & ArcMap Desktop is at 10.8.1
 - Upgrade plans to go to 10.9.1 this fall
 - Then a whole restructure of our REST services and data connections need to be done before we move to 11.
- ArcGIS PRO – latest version
- MISSION & INDOORS systems: version 11
- SQL: 2017
- Pictometry & Connect: on-site & Cloud Based
- Citrix FTP/Sharefile: Hosted
- VertiGIS (Geocortex):

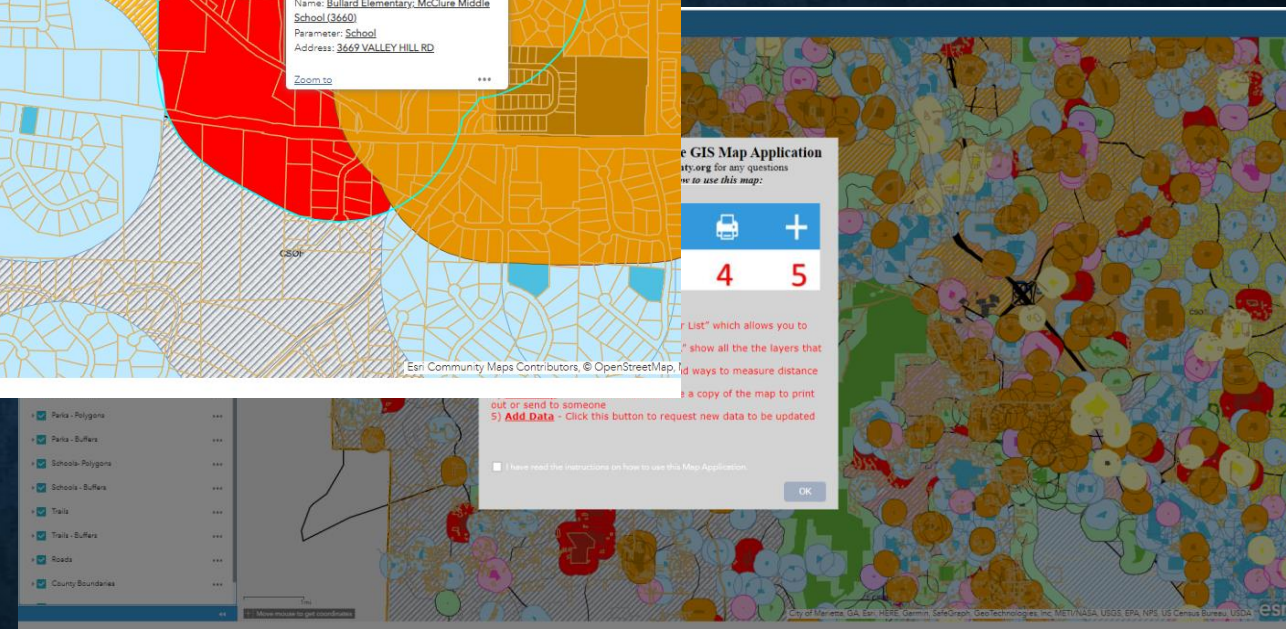
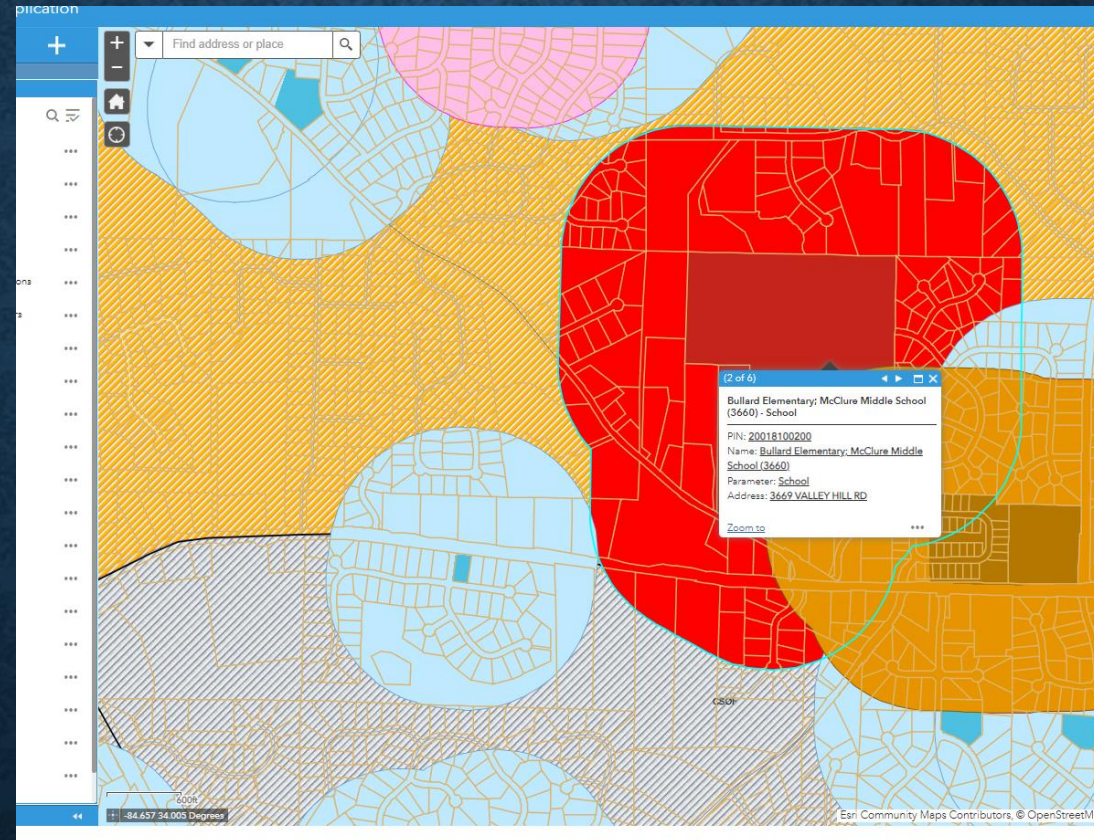
ESRI INDOORS & MOBILE SOLUTIONS FOR COUNTY ASSET PROPERTY MANAGEMENT (IN PROGRESS)

- In year 2 of 3 of project for INDOORS
 - 2 million Sq foot county buildings
- Starting Cityworks summer of 2023
 - Integrate with indoors and Cobb GIS.



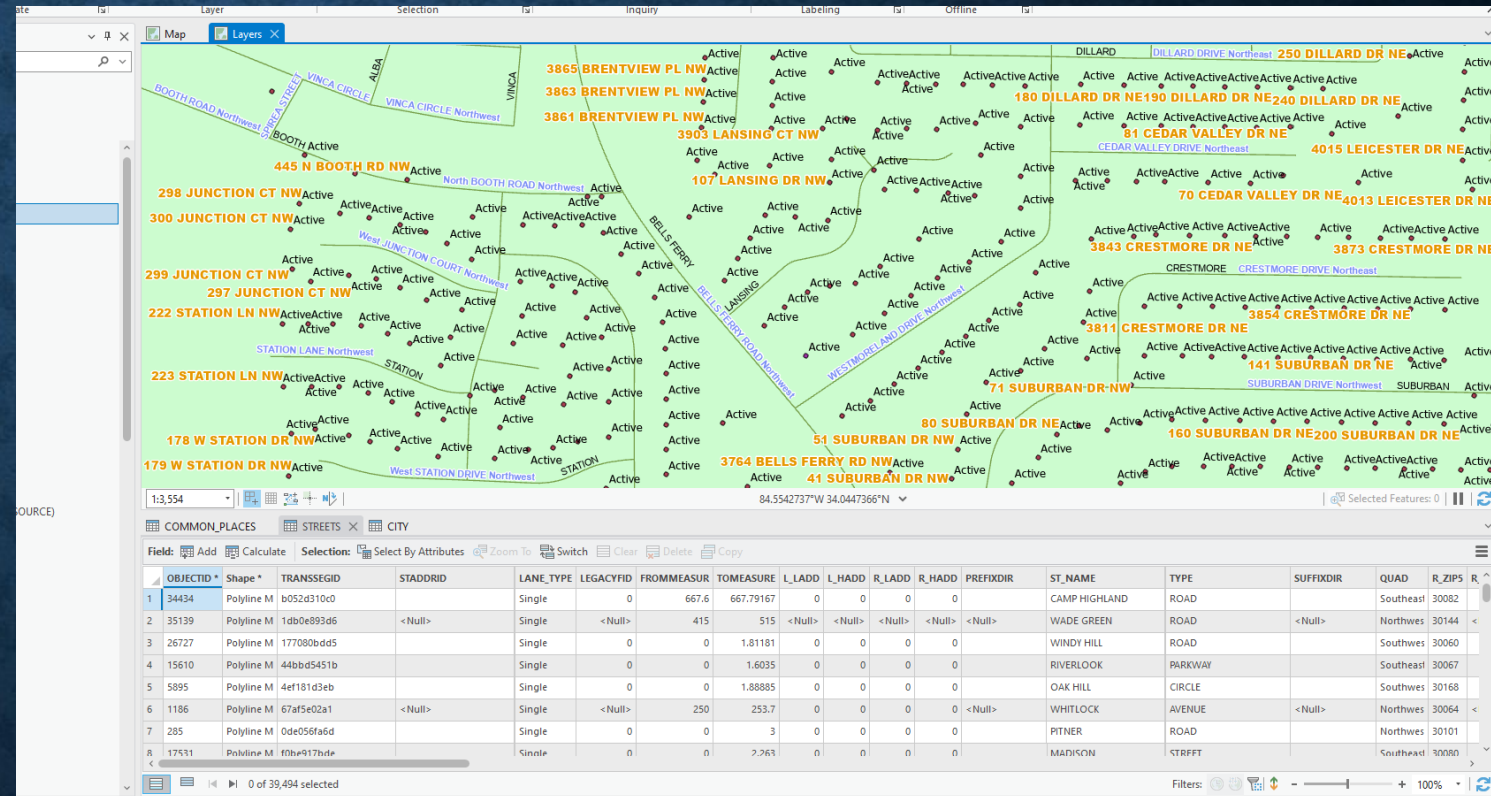
NEW APPLICATION FOR SHERIFF: FOR SEX OFFENDER TEAM

- Automatic buffer creation around sites of interest
- Applicants must prove they are not in certain zones (school, daycare, pool, etc..). Using GIS for this.
- All ESRI based for Admin staff at Sheriff Office



ESRI ADDRESSING MODEL (IN PROGRESS)

- Moving our older CAR (Cobb Address Repository) to ESRI Address Solution.
- CAR was implemented over 13 years ago at Cobb by Robert Appleby and Spatial Focus. Worked fantastic!
- With ESRI platform changes and database upgrades, we need a new model.



ROAD CLOSURE APP

- Moving away from custom built (by Arcadis) Cobb Commute
- Originally built on Leaflet open-source platform
- ESRI Road Closure App
- Public Link:

<https://www.cobbcommute.org>

Cobb DOT Road Status

Road Closures

Click or tap on an item in the list to see more information.

Beech Haven Trl SE
Beverly Hills Dr NE
Chestnut Lake Dr
Mars Hill Rd NW
Pebblebrook Cir SE
Starling Dr SW

Lane Closures

Click or tap on an item in the list to see more information.

25875771 Powder Springs Road Trl SW
4967 Austell Rd
Bouldercrest Dr SW
Canton Rd NE
Cheatham Hill Rd SW
Church Rd SE
Davis Rd NE
Hillcrest Dr SW
Mableton Pkwy SW
Mack Dobbs Rd NW
Mars Hill Rd NW

Windy Hill Rd SE

CONSTRUCTION Closure
Starts: 5/4/20 9:00 AM
Ends: 7/5/24 5:00 PM

Status: Active

Details:
Both Directions closure on Windy Hill Rd SE, City of Smyrna Boulevard Project

Contact:
City of Smyrna
770-434-6600

Detour:

NEW DATA CENTER (IN PROGRESS)

- Part of SPLOST Program
- Entire Cobb IT moving.
- New site is 3 miles from current
- Over 800 servers total.
- **59 GIS Servers total (3 are SQL)**
 - **9 more to go**
 - **Way more work than we thought!**



3 SUMMER INTERNS (THINK FUTURE EMPLOYEES!)

- Jack Bosio

- Senior at Kennesaw State University - BS in Geospatial Sciences
- One of his favorite places in the world is Highlands, North Carolina where his family has a cabin!
- Jack's favorite place in Cobb County is the Sope Creek portion of the Chattahoochee River National Recreation Area!

- Jeffrey Chen

- Senior at Kennesaw State University - BS in Geospatial Sciences
- One of his favorite places in the world is the Cohutta Mountains in Northwest Georgia, this was one of the first places he went solo camping!
- Jeffrey's favorite place in Cobb County is Mostly Mutts where he volunteers!

- Brody Baer

- Senior at Kennesaw State University - BS in Geospatial Sciences
- One of his favorite places in the world is County Kerry in Ireland, where he visited in high school!

ESRI UC 2023

- Cobb County Manager: Dr Jackie McMorris is attending! 😊
- Maps in Map Gallery
- Panel leader for the YPN (Young Professional Network) on Thursday July 13th)

**WELCOME TO
THE 2023 ESRI
USER
CONFERENCE**

Get a front-row seat to explore the future of GIS capabilities and discover the innovative ways GIS is being used to create a more sustainable and resilient world.



DETAILED AGENDA


[← Go to Detailed Agenda](#)

YPN: Strategies to Develop GIS Leaders

YOU ARE A PARTICIPANT Thursday, Jul 13 | 1:00 PM - 2:00 PM PDT (4:00 PM - 5:00 PM EDT) |

Join us to hear tactics and strategies from professionals that come from various backgrounds on how to become a leader in the GIS field.

SPEAKERS

 Adam Carnow Esri	 Jennifer Lana Cobb County - GIS
 Trisha Brush PDSKC/LINK-GIS	

IMAGERY (PICTOMETRY/EAGLEVIEW)

- Have new LIDAR and 1 ft contours from 2022
- Yearly imagery acquisition for orthos & obliques
- Working on new amendment to this contract to extend for another 5 years
- 2023: Updated Planimetric/Impervious data set from imagery
 - We call this “URBAN FEATURES”



OTHER VENTURES...

- Attended ESRI SERUG
- UMAX – Water Department Billing software (GIS-centric)
- ESRI Monitor in new data center
- Still support ATL Braves (games and drone detections)
- It Summer... so that is state Tax Digest time (parcels, data, etc...)
- NO CURRENT ELECTIONS 😊

The screenshot shows the 'Interactive Maps and Apps' page of the Cobb County website. The page features a navigation bar with links for Home, About, All Maps & Apps, Education, Get Data, and Get Outside. Below the navigation bar, there is a section titled 'Interactive Maps and Apps' with a search prompt: 'Search by category by clicking on the icons below'. There are seven circular icons representing different categories: General (globe), Services (dome), County Departments (courthouse), Development (house), Education (school), Health & Wellbeing (heart), and Recreation (person with gear). Below the icons, there is a 'General' section with four featured applications: 'Cobb County Facility Look-up', 'My Neighborhood: Cobb County Application', 'Cobb County Parcel Viewer', and 'Property Search Application'. Each application has a small thumbnail image and a brief description.

<https://geo-cobbcountyga.hub.arcgis.com/pages/all>

NEXT STEPS FOR US:

- Helping local leaders, at different agencies, use GIS from a centralized workflow (School Board, Health Dept, Cities)
- Develop Centralized Data Analytic Team
- Software Upgrades
- New GIS positions – posting now & this summer!
- Researching ESRI URBAN
- Expanding SQL knowledge and skills

THANK YOU!



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