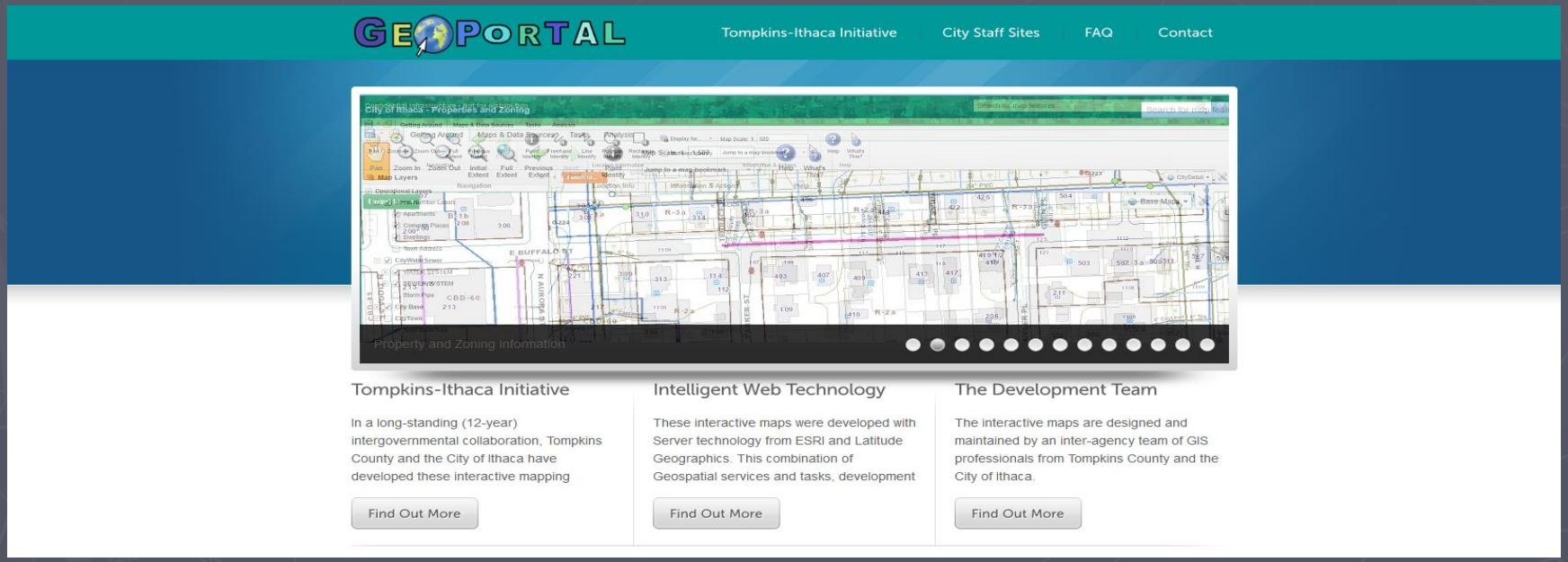
MUNICIPAL GIS - What We Offer

- Ruth Aslanis, City of Ithaca



GIS day

MUNICIPAL GIS - What We Offer

- Who we are
  - Team of 4 GIS professionals
  - 18 years since first layers were drawn
  - Collaborate closely with Tompkins County GIS
  - Have 10 desktop users- number is declining;
  - Have over 70 web map users
  - Mission
    - To create and manage geographic data, applications and solutions which make a difference for staff, officials and the public in the day to day operations of the City.

GIS day

MUNICIPAL GIS - What We Offer

- What we do
  - Create/compile new data sets
  - GPS and field collection
  - Deliver:
    - In field with ArcPad custom apps
    - Custom desktop apps
    - Mapping and analysis products
    - Web based apps
  - Update and maintenance
  - Mapping and analysis service
  - Train and consult w departments
  - Build our capacity - keep current with GIS technology

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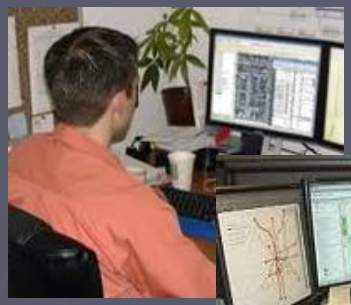


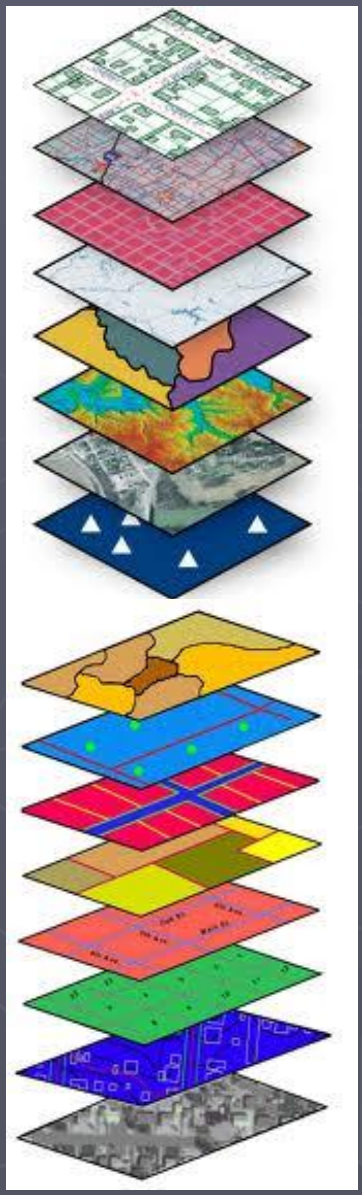
- Rich data easily accessible – created by a few; used by many.

MUNICIPAL GIS - What We Offer

- Richness of information, easily accessible – created by a few; used by many.

- Planimetric layers
- Intelligent layers
- Parcel mapping (County)
- Infrastructure systems and models
- Asset inventories
- Departmental data
- Regulatory boundaries
- And more under development - 18+ years

- Demographics
- DEMs
- Aerial imagery (State)
- Web based publically available data
- Collaboratively or cooperatively created data - Tompkins County, Soil Cons.
- Publically available data – Bing, Google, USGS, ESRI



MUNICIPAL GIS - What We Offer

- (Information) Delivery and Service
  - Map sets
  - Map and analysis service
  - Emergency response
  - Interactive maps - staff and public
  - Workgroups
  - Large and small data sets
  - Complete operating picture
  - Shared data for desktop users
  - Applications
  - In field users
  - Consulting and training

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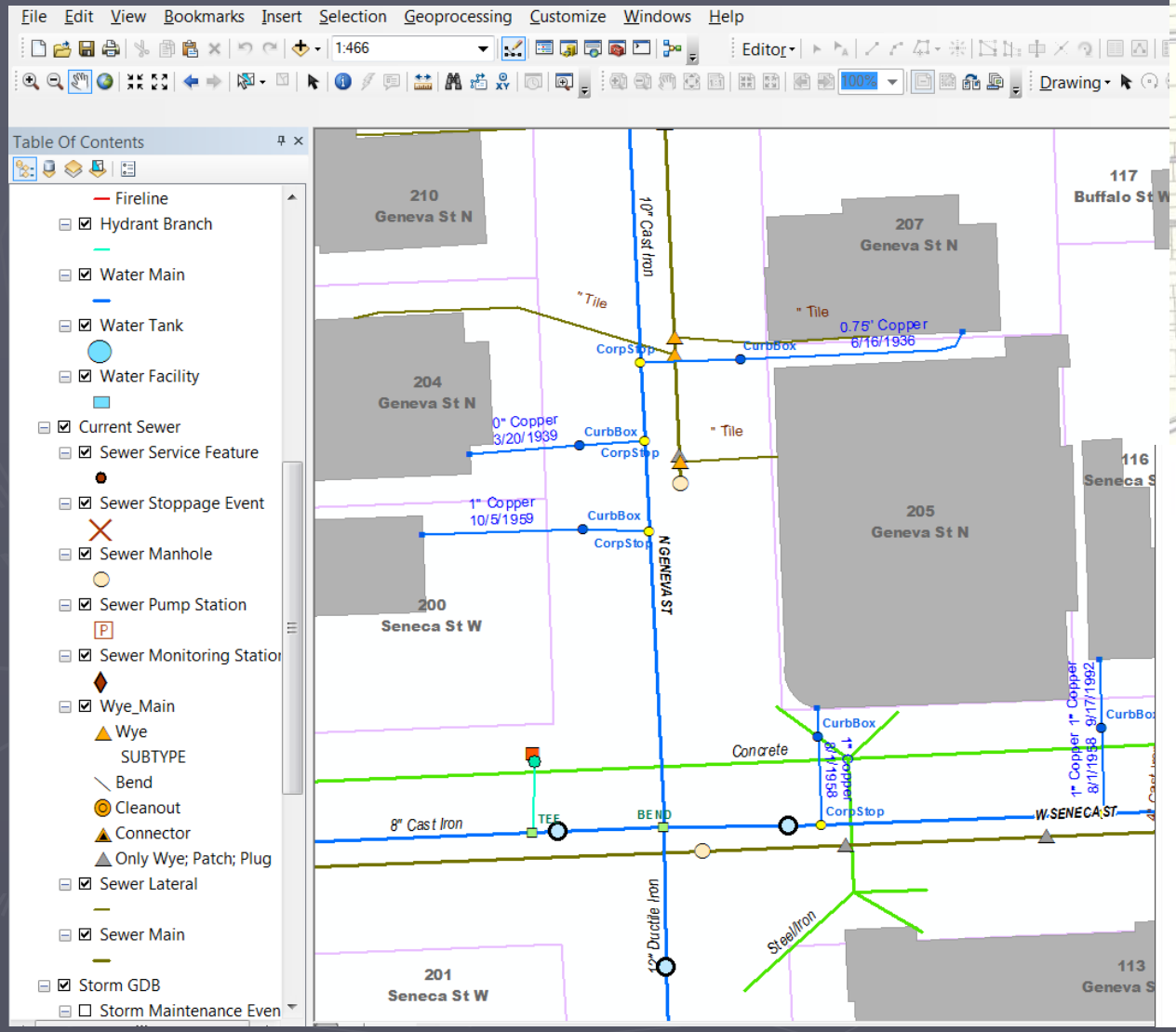
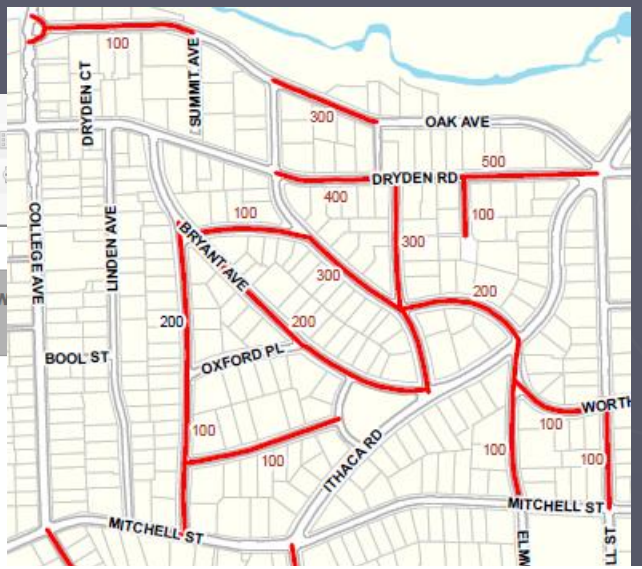
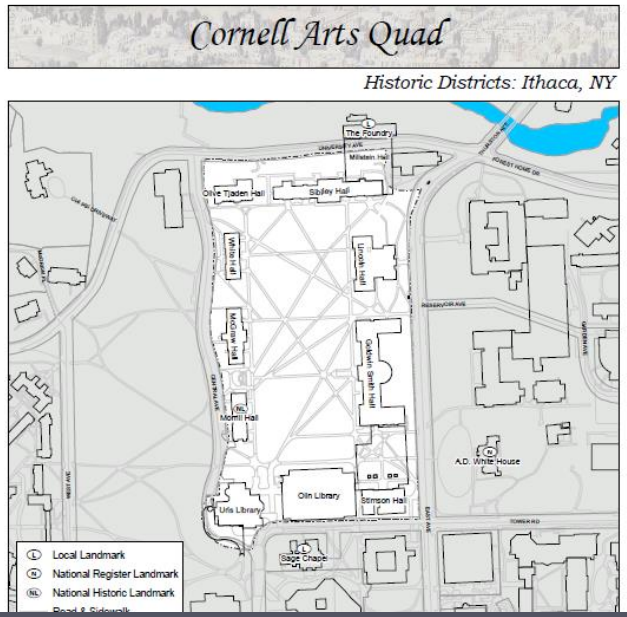
MUNICIPAL GIS - What We Offer

- Examples







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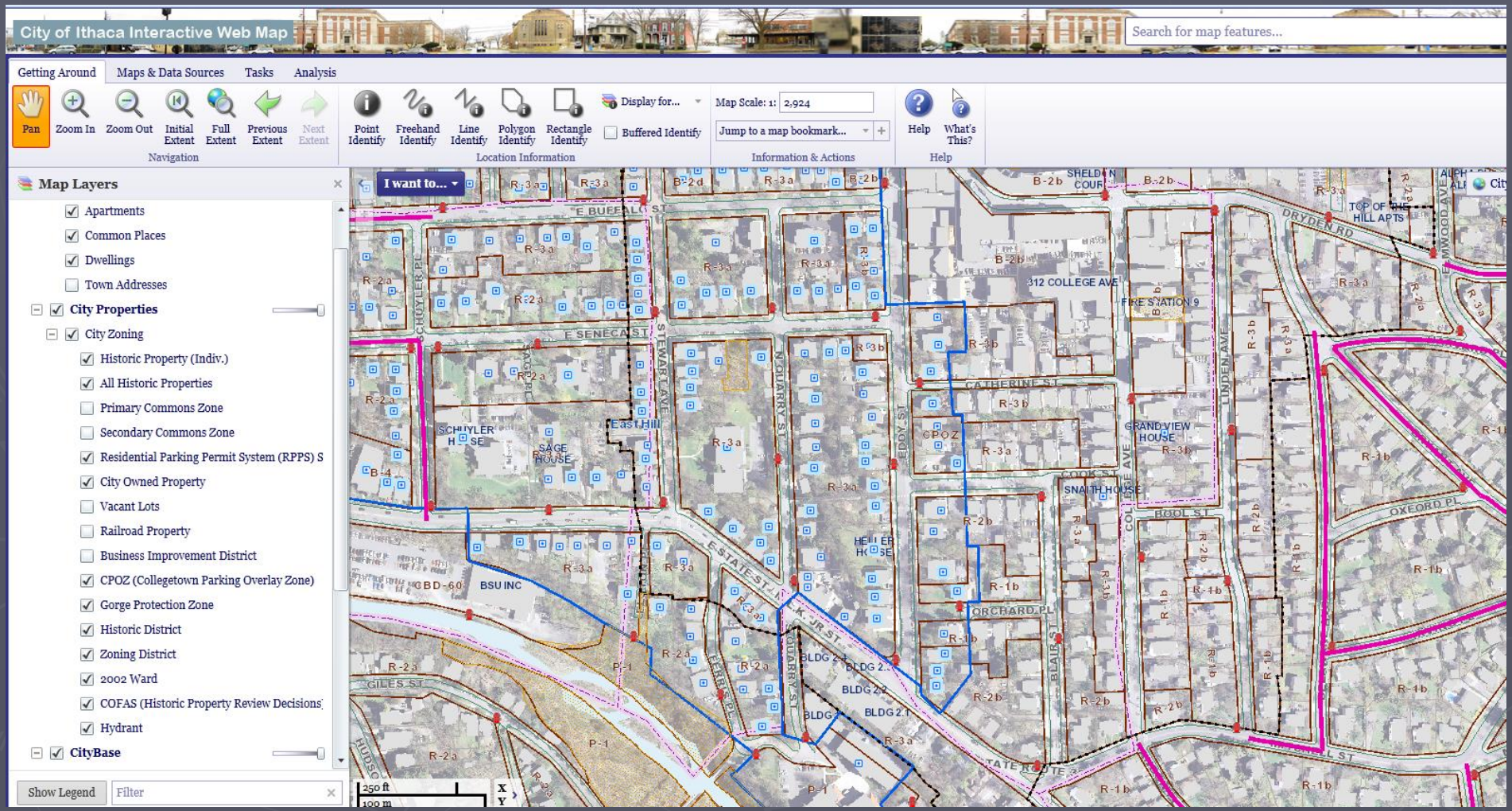

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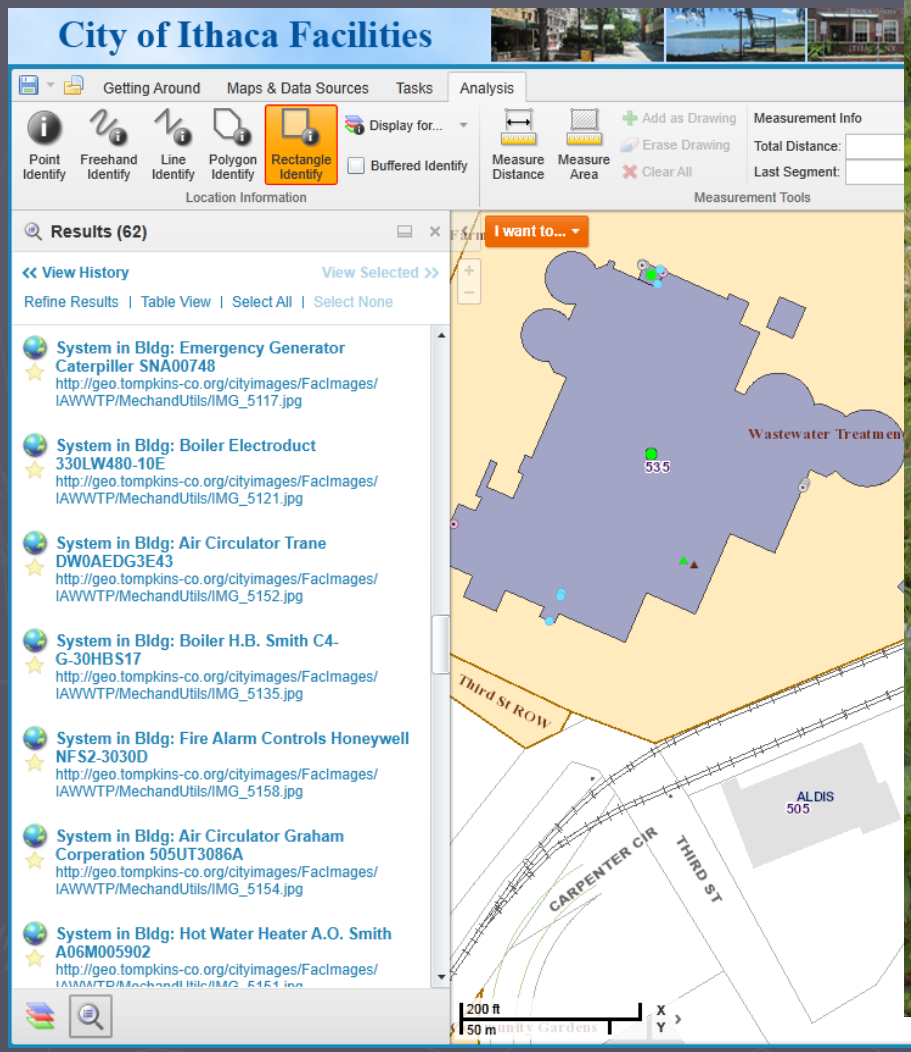

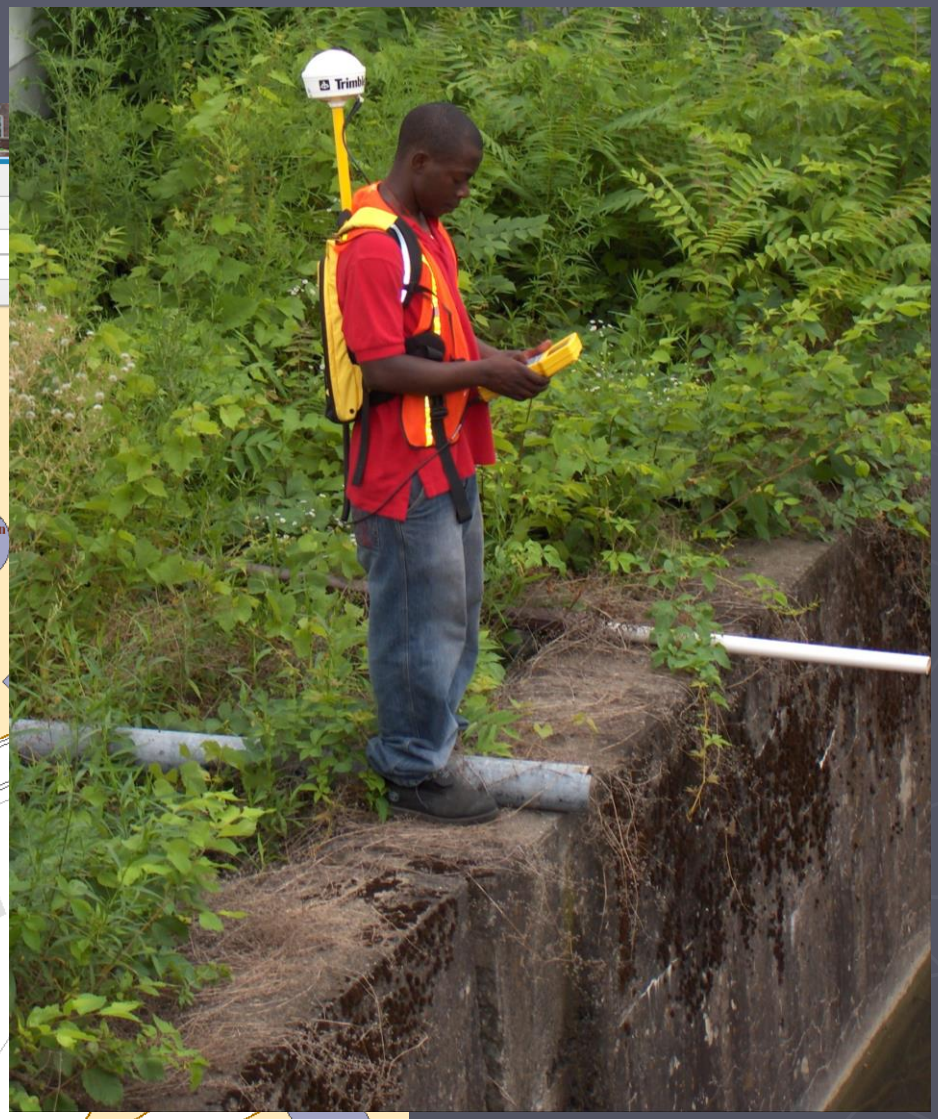

MUNICIPAL GIS - What We Offer

- GIS in the leaner economy
  - More to offer than ever
  - Efficiency through information access and tools with decreasing staffing levels - make up the gap
  - Data driven decision making - fewer mistakes, better decisions
  - Integrative technology

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MUNICIPAL GIS - What We Offer

- GIS in the leaner economy
  - GIS brings data together into one organizational scheme – location
  - Complete operational picture – all assets are represented, the field is viewable at the command post
  - Shared picture among operations staff and decision makers

GIS day

MUNICIPAL GIS - What We Offer

- What we accomplish

GIS COSTS $$$

AND provides operational ease, better service, informed decision making, cost savings, and revenue recoupment with/by

- Improved information accuracy and currency
- Increased analytical capabilities
- Completion of backlogged work and faster turnaround of new work
- Increased activities with fewer personnel
- Perform work faster, resulting in better decisions
- Enhanced responsiveness to constituents
- Improved responsiveness to regulators and legislators
- Enhanced storage/retrieval of historic information
- More thorough planning and analysis

GIS day

MUNICIPAL GIS - What We Offer

- Summary
  - Rich data
  - Delivered and accessible
  - Integrative technology
  - Mapping
  - Analysis
  - Emergency response preparedness
  - Subject experts

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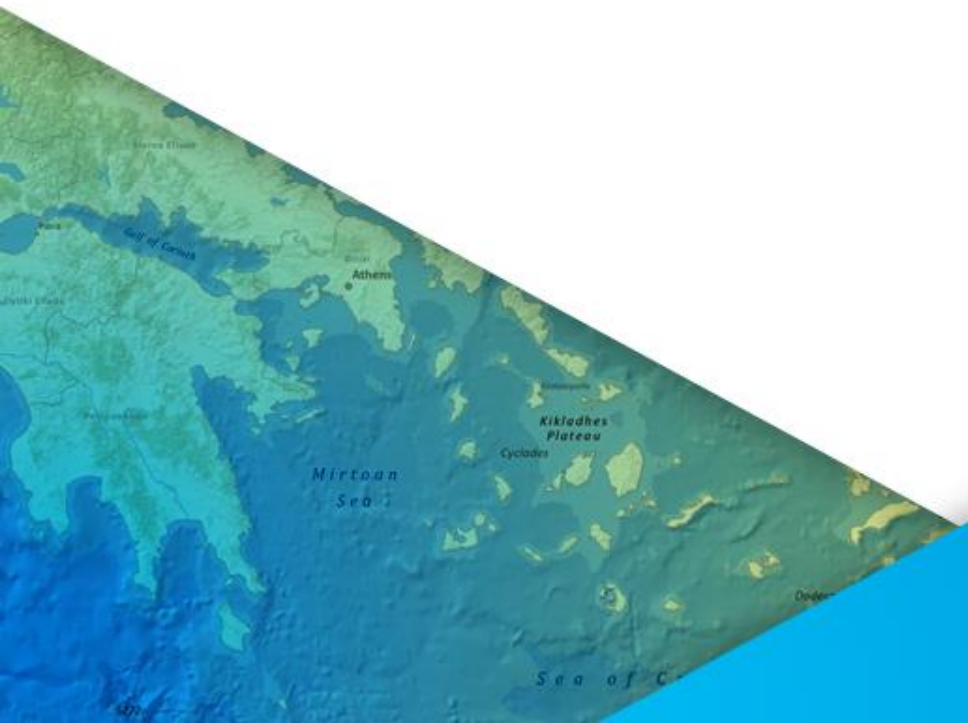
GIS day