

# Jumpstarting an Enterprise GIS: An example from Fayetteville, NC

Jennifer Kennedy, GIS Analyst, Timmons Group  
Richard Tuinstra, GISP, GIS Manager, City of Fayetteville



City of  
*Fayetteville*  
North Carolina





- Estimated population 2015: 212,103
- Sixth Largest City in NC.
- Fort Bragg is the largest US Army base by population.



- 2012: Start of Enterprise GIS program
- 2013 : ArcGIS Server (Enterprise)
- 2014: Moving into ArcSDE Environment (slowly...)
- 2015: GIS Roadmap





## Cityworks®



SeeClickFix

Cityworks®



# Our biggest problem....



- Accuracy
- No standards
- Lack of metadata
- Lack of security



# Don't worry....



# ....We have a plan!



# Goals?



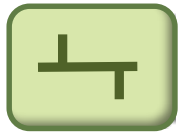
**standardize**  
**clarity**  
**focus**  
**simplify**  
**maintenance**  
**workflow**  
**modeling**  
**editing**  
**data**



# Discovery



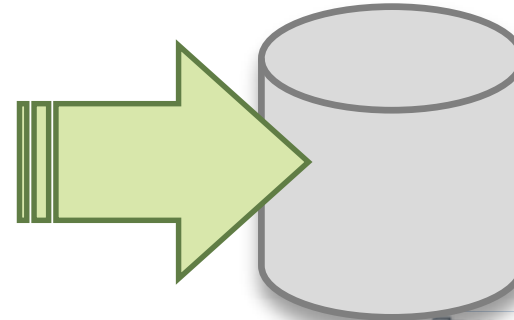
## 2 Shapefiles...



Pipes



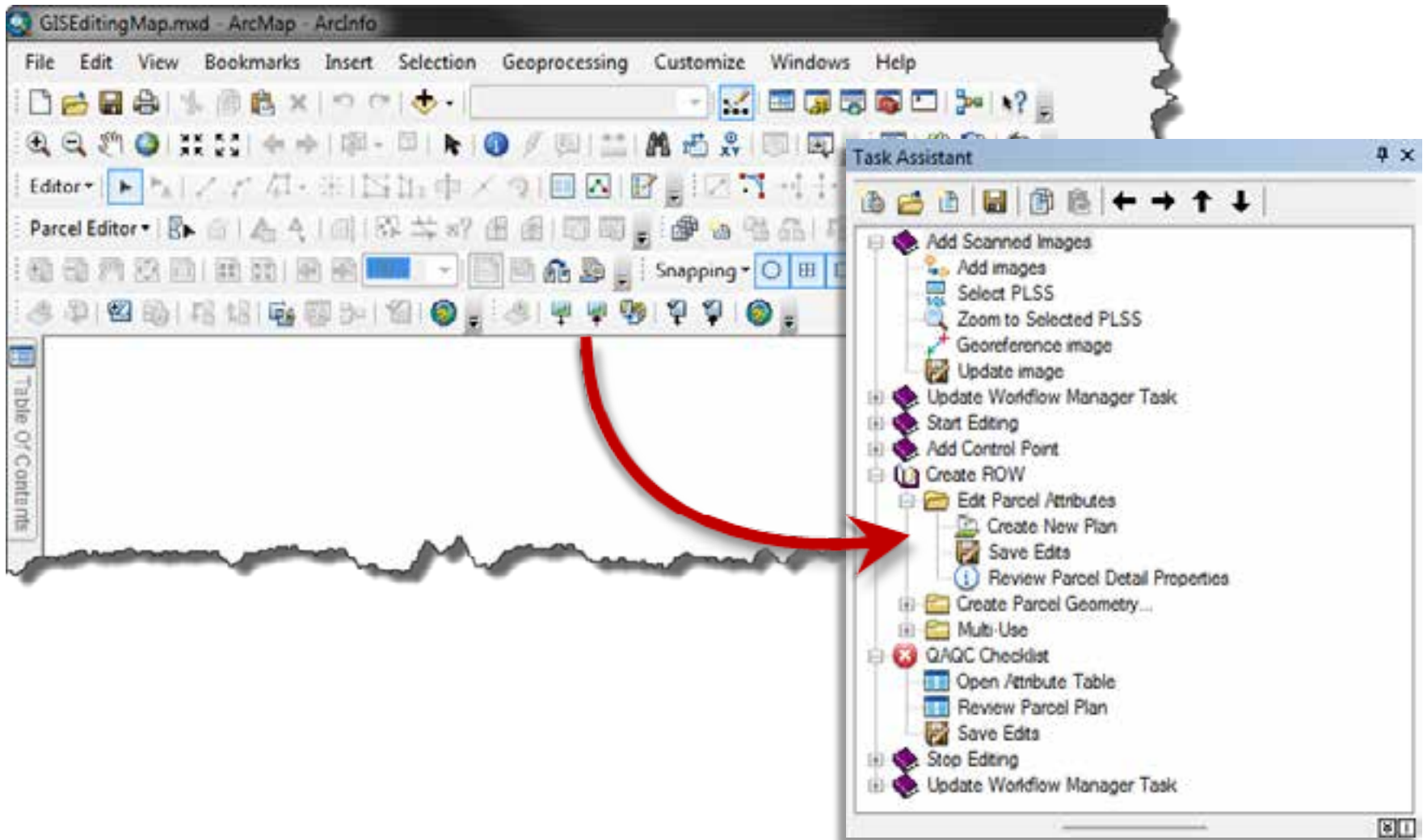
Structures



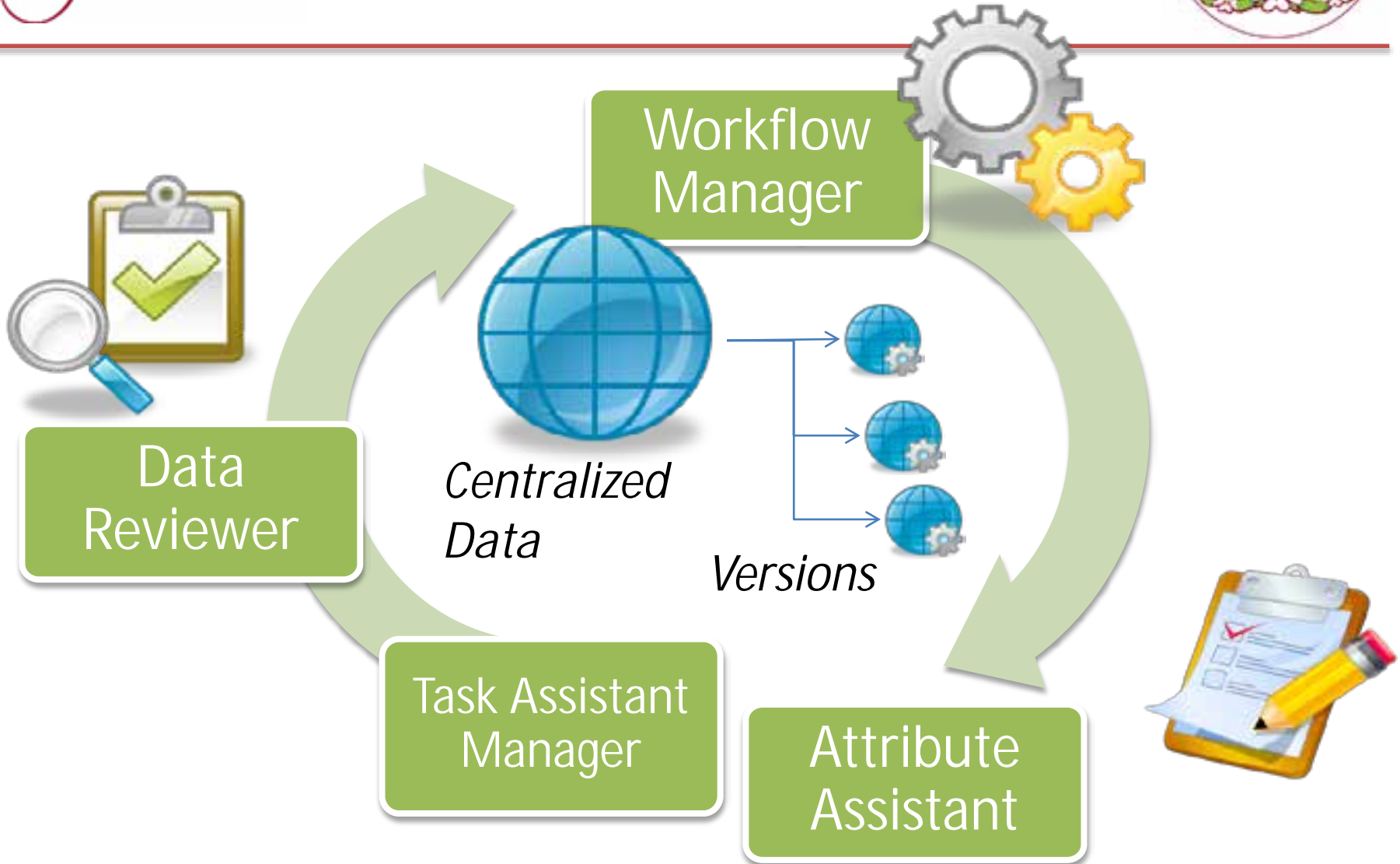
- Hydrography
  - Creek
  - Waterbody
- Stormwater
  - BridgePoint
  - StormwaterNetwork
  - StormwaterNetwork\_Junctions
  - swBMP
  - swBMPPoly
  - swCulvert
  - swNetworkStructure
  - swOpenConveyance
  - swPipe

## 9 Feature Classes

# Simplification







# Maintenance







# What next?







Department	Number of Requirements/Ideas
Airport	8
City Managers	5
Community Development	9
Development Services	17
Engineering & Infrastructure	15
Environmental Services	12
Fire	11
Parks & Recreation	10
Police	16
Real Estate	9
Transit	18
<b>Total:</b>	<b>130</b>

	Project Name
	<b>Access Enterprise GIS Data</b>
	<b>Leverage Cityworks</b>
	<b>Create/Collect Data</b>
	<b>Integrate</b>



	Project Name
	<b>Discover Fayetteville Website</b>
	<b>Mobilize Fayetteville</b>
	<b>Sharing</b>
	<b>Data Governance</b>



	Project Name
	Communicate
	Track Accomplishments
	Improve Procedures
	Improve Technology



# GIS Training Plan



**Geographic Information System (GIS) Strategic Staff  
Development Plan**

**City of Fayetteville, NC**

November 29, 2012



# Lessons learned?



Contact info:

Jennifer Kennedy, GIS Analyst  
Timmons Group, Richmond, VA 23225  
jennifer.kennedy@timmons.com  
Tel: 804-200.6967

Richard Tuinstra, GIS Manager  
City of Fayetteville  
email: rtuinstra@ci.fay.nc.us  
Tel: 910-433 1721





*City of*  
**Fayetteville**  
*North Carolina*

The City of Fayetteville, North Carolina does not discriminate on the basis of race, sex, color, age, national origin, religion, or disability in its employment opportunities, programs, services, or activities.

[www.cityoffayetteville.org](http://www.cityoffayetteville.org)

[www.facebook.com/cityoffayettevillegovernment](https://www.facebook.com/cityoffayettevillegovernment) | [Twitter@CityOfFayNC](https://twitter.com/CityOfFayNC)

