

Annual Update of MapForsyth

Presented to:

The City of Winston-Salem
Public Works Committee

March 21, 2017



Overview

- Monthly GIS Steering Committee Meetings
 - Committee Members:
 - Tom Kureczka, Paul Norby, John Burgiss, Gary Koontz, Ben Rowe, and Ronda Tatum
 - Establish enterprise wide geospatial data standards
 - i.e. Geospatial Metadata Policy
 - Recommendation for large scale GIS projects
 - i.e. Addressing Project
- Bimonthly GIS User Group Meetings
 - Meet to discuss GIS technology, local GIS projects, updates from other GIS organizations
 - Open to all local governments in Forsyth County

Projects

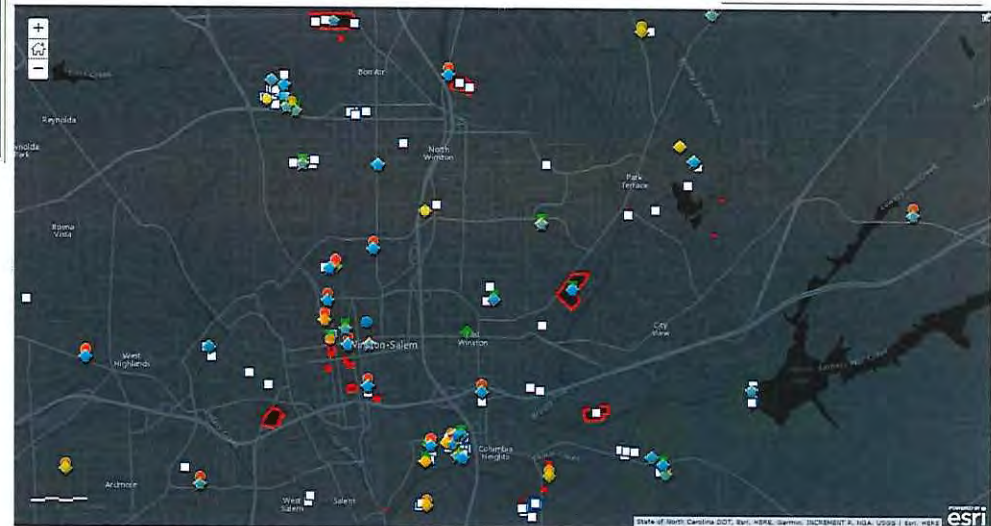


WSTA Stop Location Collection Application

WSDOT and Sanitation
Collecting bus stops
Amenities (trash receptacles)

Property and Facility Maintenance: Asset Collector Manager

Collecting 18 asset types
Use iPad to collect data
Ties into CityWorks

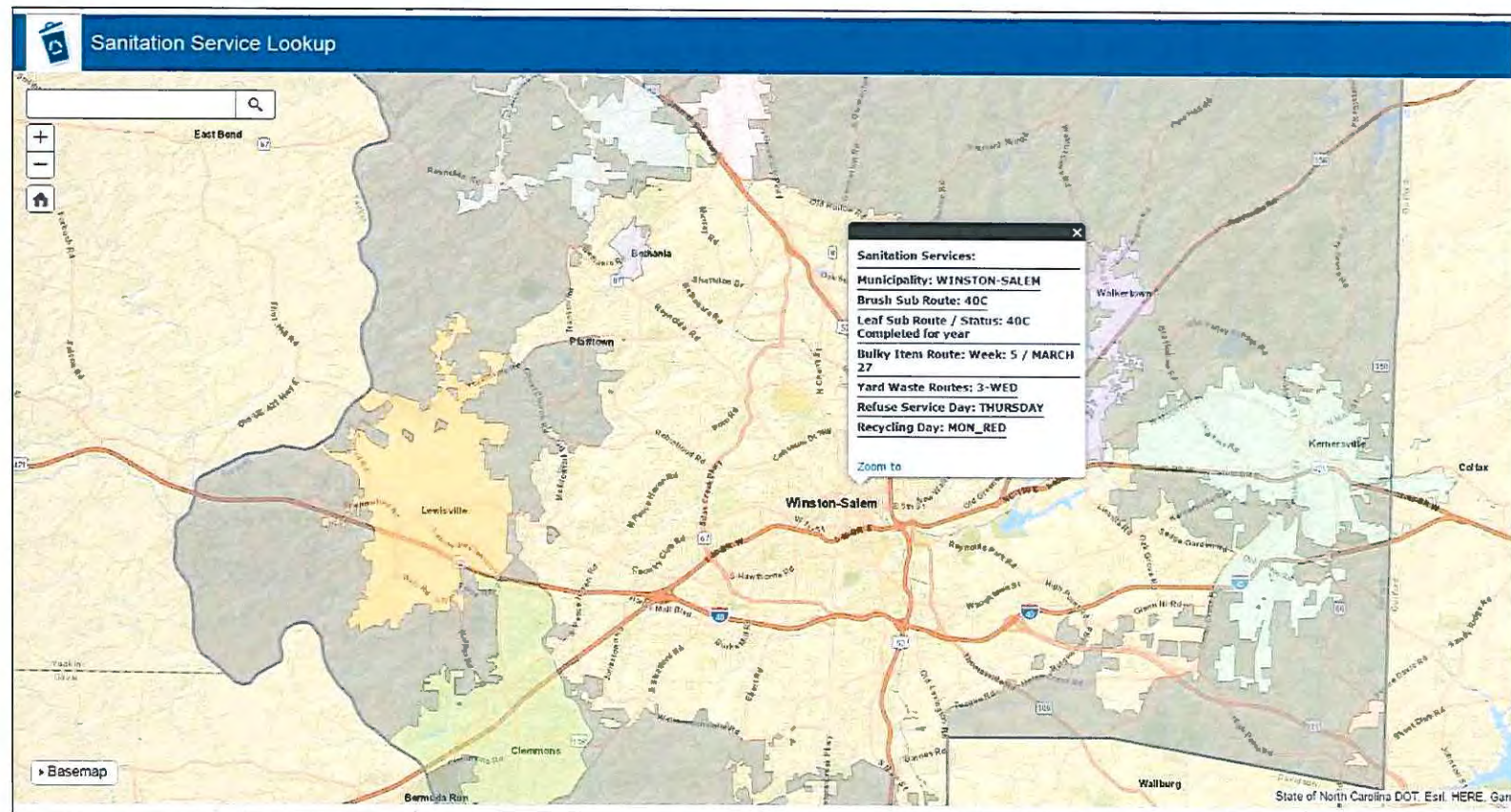


Projects

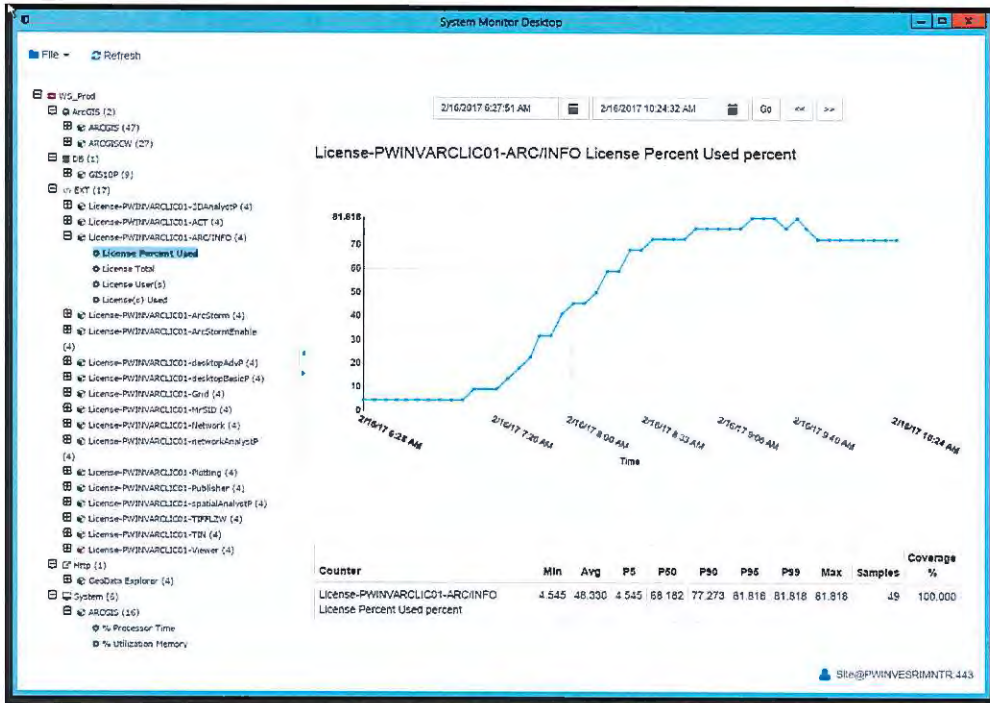
Internal Sanitation Service Look-up

Designed for Yard Cart & on demand pick-up

Expanded to include other service types such as recycling, bulky items pick-up, etc.



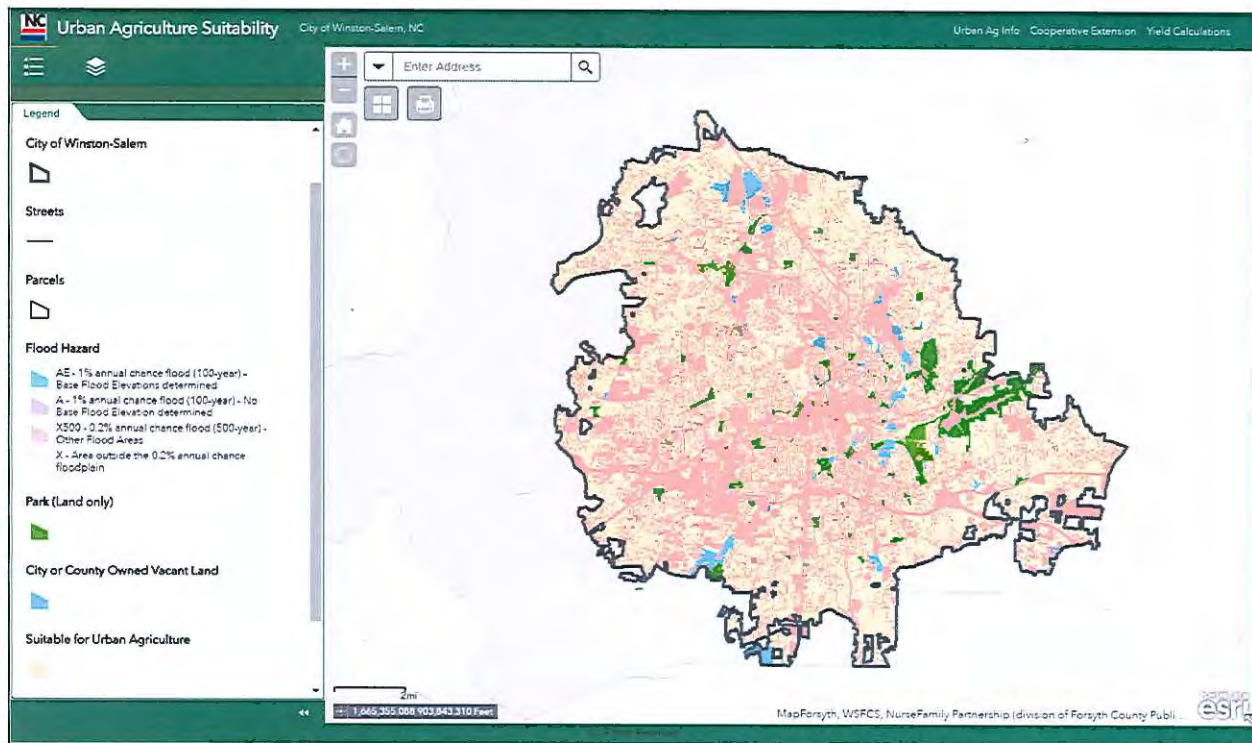
Esri SM3 Monitoring Tool



City of WS Esri License Use – real-time

Weekly output

Report Summary									
Category	Type	Name	Source	Time	Uptime	Performance	HighUtilization	LowUtilization	Alerts
Web App	Requests	Response Time(sec)	Url	Timespan					
ArcGIS	Site	Configuration	AdminAPI	Last					
ArcGIS	Cluster	Configuration	AdminAPI	Last					
ArcGIS	Services	Summary	AdminAPI	Last					
ArcGIS	Requests	Count	AdminAPI	Timespan					
ArcGIS	Requests	Requests/sec	AdminAPI	Timespan					
ArcGIS	Services	Instances	AdminAPI	Timespan					
ArcGIS	Services	Response Time(sec)	AdminAPI	Timespan					
ArcGIS	License	Utilization(%)	Lmutil	Timespan					
ArcGIS	License	Users	Lmutil	Timespan					
ArcGIS	License	User Names	Lmutil	Timespan					
System	Summary	Summary	AdminAPI	Last					
System	CPU	Utilization(%)	AdminAPI	Timespan					
System	Memory Physical	Utilization(%)	AdminAPI	Timespan					
System	Memory Virtual	Utilization(%)	AdminAPI	Timespan					
System	Disk Utilization	Utilization(%)	AdminAPI	Timespan					
System	Disk Space	Utilization(%)	AdminAPI	Timespan					
System	Network Receive	mbps	AdminAPI	Timespan					
System	Network Sent	mbps	AdminAPI	Timespan					
System	Process CPU	Utilization(%)	AdminAPI	Timespan					
System	Process Memory	Utilization(%)	AdminAPI	Timespan					
System	Process Memory	Utilization(%)	AdminAPI	Timespan					
System	Process Count	Count	AdminAPI	Timespan					
System	Process Count	Active	AdminAPI	Timespan					
Database	DB query	DB query	DB query	Timespan					
Extensions	Extensions	Extensions	Extensions	Timespan					
System Mon	Collection Time	Utilization(%)	AdminAPI	Timespan					



City of WS Urban Agriculture Web Application

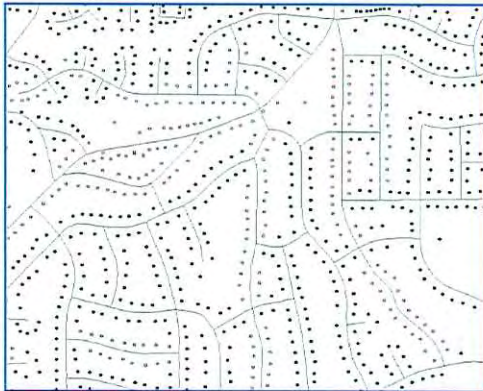
12 Final Maps
20 Custom Reports



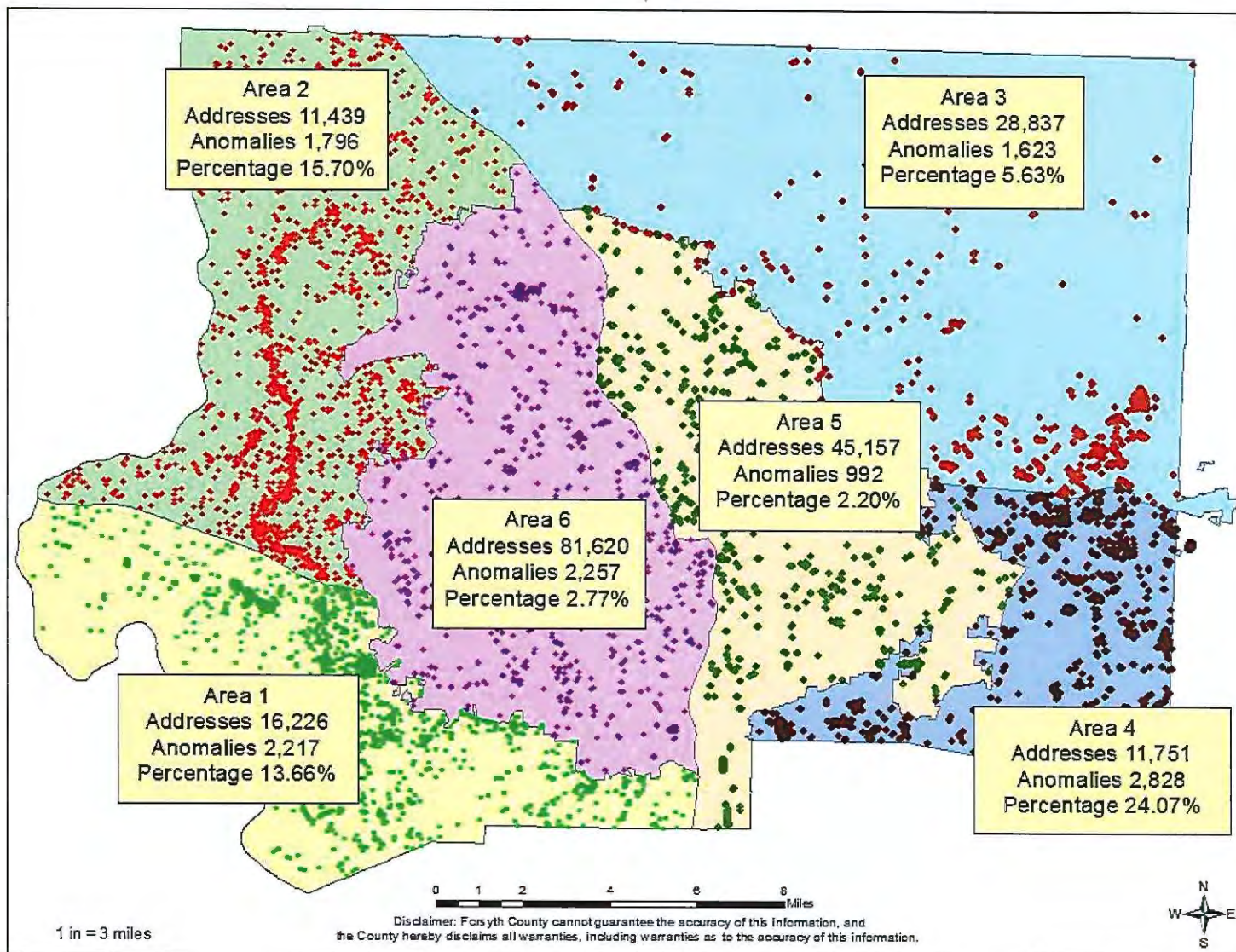
Phase II of the Addressing Project

ADDRESSING PROJECT REPORT

Phase II: Data Clean-up and Master Address Repository Creation



- Completion of the Master Address Repository (MAR)
- rGA Tool
 - Edits MAR and GIS Databases simultaneously
- Updated interlocal agreements with municipalities
- Addressing Field Work
 - Real-time updates in the field

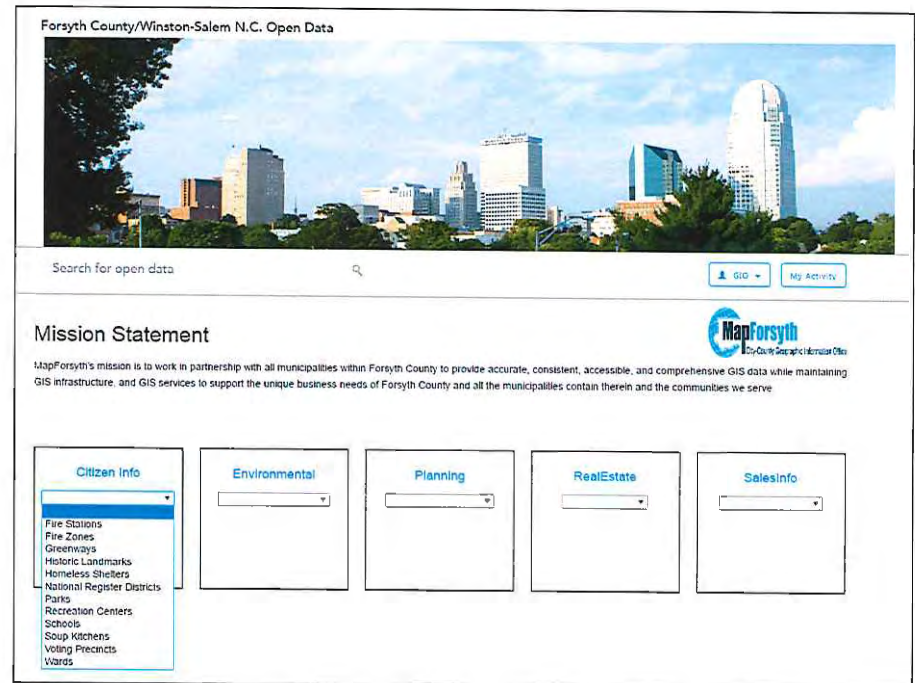


Addressing Phase III

- Tax (NCPTS) System
 - FY 17-18
- CSR
 - FY 17-18
- CityWorks
 - Integrated
- Cayenta
 - FY 17-18
- County & City Emergency Services
 - Integrated

Future Projects

- Addressing Project Phase III
 - Integration
- Centralized GIS Data Repository
 - Department Head Meetings
 - GIS Data Inventory
 - Fact Finding for MAR Integration
 - Esri Recommendations
 - GIS Open Portal
- Recreation and Parks Story Map
- Census LUCA
- GIS Day 2017



Thank You!