

SEMSWA GIS June 2010 Report

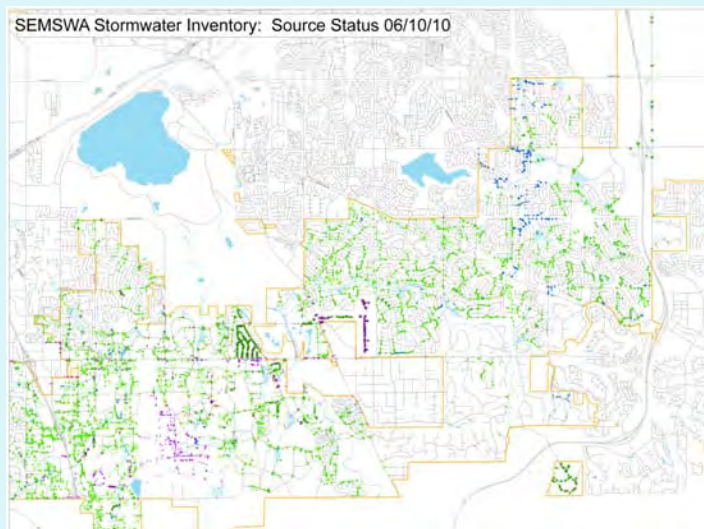
SEMSWA Board Meeting June 2010

Andy Kuster, GIS Manager

2010 (Jan – June) Projects

- Stormwater Inventory Mapping
- Cartegraph
- Billing System Support
- GIS/IT Administration
- Other GIS Highlights

Stormwater Inventory Update: East Map



Stormwater Inventory Summary

- Field Mapping & Verification Progress
 - ~90% Complete
 - Remaining Areas: 4 Square Mile & Road Closures
- GIS/GPS Internship Program
 - Kevin Rierden + 3 GPS Interns until mid-July
- “Channel” layer development
 - ~90% Complete
- **Current Effort:** GIS Integration with Cartegraph Asset & Work Management Procedures

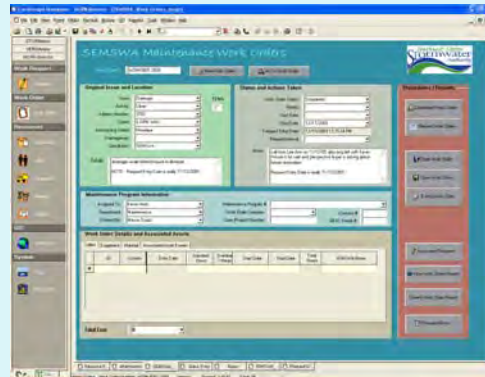
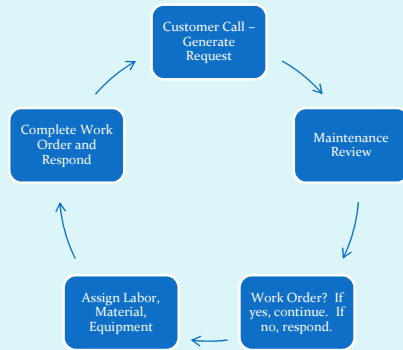
Cartegraph Summary

- Custom Modifications (Automations)
- Mobile Stormwater Inspectors
 - Status: Functional
 - Additional Stormwater Inspection Forms
 - Program 4 – GESC
 - Program 5 – Annual / During Construction BMP
 - Current Effort: Enhancements
- WorkDirector (Work Request/Work Order Management/Labor, Materials, Equipment)
 - Status: Functional
- StormView (Stormwater Assets)
 - Status: In Progress (GIS Integration and Asset / Work Management Reporting = BIG PICTURE)

Cartegraph: Scripting Project (Automations)

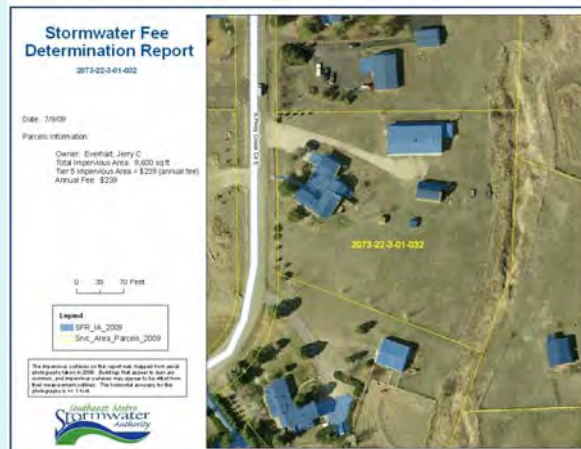
- Type of Entity / Project -> Requirements
- Permit Expiration Dates
- Fee Calculations
- Email Notifications
- Benefits:
 - Data Quality
 - Better Project Management
 - Reliability

Cartegraph: Work Management Process



Billing System

- 2010 Aerial Imagery (Pictometry) from Arapahoe County GIS
- **Status:** Currently updating Impervious Surfaces Area
 - Building Permits
 - New Development (Cartegraph / Asbuilts)
 - Systematic
- Providing Stormwater Fee Determination Reports
- Improved QA/QC



GIS Administration

- GIS / Cartegraph Server & Database Administration (ensuring operation)
- Routine IT support & interface with Critigen Helpdesk

Other GIS Efforts in early 2010

- Coordination with City of Centennial and Arapahoe County GIS regarding data sharing (ex. Boundary file sharing for keeping jurisdictional information up-to-date)
- Continued DFIRM support
- Participation in Regional GIS Data Consortia (DRCOG)

July – December 2010 Outlook

- Complete GIS integration with Work Order / Asset Management system & generate reports
- Ensure successful Billing System
- Disseminate maps of SEMSWA activities (Google Earth)
- Mobile Cartegraph / GPS for Illicit Discharge tracking
- Fully support and enhance Mobile Inspector process
- Begin QA/QC of Stormwater Inventory GIS

Thank you!

Questions?