

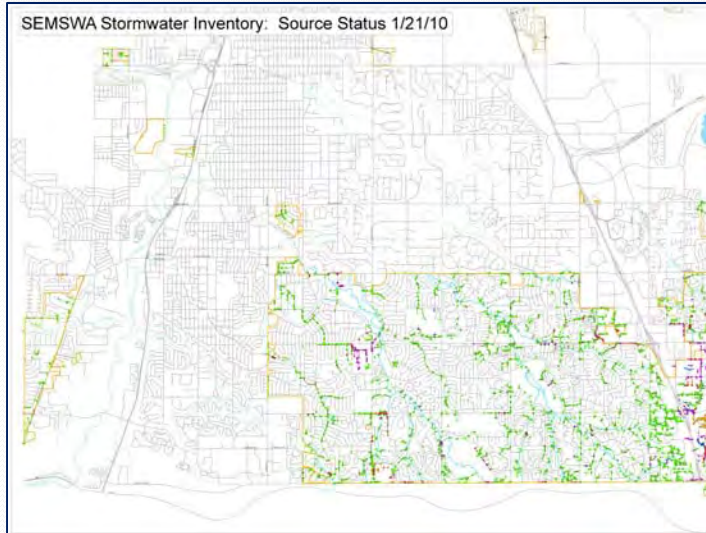
SEMSWA GIS 2009 Report

SEMSWA Board Meeting January 2010

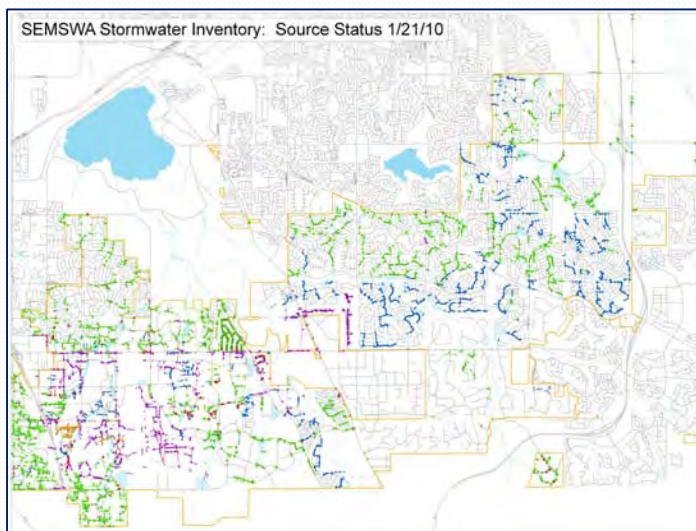
2009 Project Summary

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

Stormwater Inventory Update: West Map



Stormwater Inventory Update: East Map



Other Stormwater Inventory Highlights

- Detailed CMP Pipe Inspection (GIS & Maintenance)
- Successful GIS/GPS Internship Program
- “Channel” layer development
- Cross program coordination

Cartegraph

- Mobile Stormwater Inspectors
 - Status: Finalizing Beta Unit
 - Inspection Form
 - Tablet PC
 - Illicit Discharge Form
- Work Director (Work Request/Work Order Management/Labor, Materials, Equipment)
 - Form Design
 - Status: Finalizing Design and Database Population, Testing

Mobile Stormwater Inspectors



Motion J3400 Tablet PC
The rugged, all-in-one device that is the ideal productivity tool for field workers who compute while walking or standing

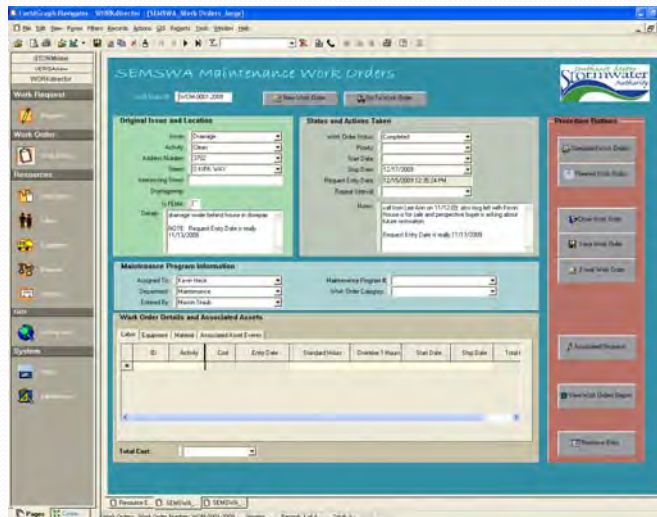


SEMSWA MAINTENANCE WORK ORDER
Inspection Date: 12/15/2009 Inspection Time: 10:00 AM Location: 10000 S. 100th Ave. Inspected By: J. Smith

Work Order Details

Item	Priority	Due Date	Assigned To	Status
1. Check for leaks	High	12/15/2009	J. Smith	Completed
2. Inspect for blockages	Medium	12/15/2009	J. Smith	In Progress
3. Check for structural damage	Low	12/15/2009	J. Smith	Pending
4. Check for proper flow	Low	12/15/2009	J. Smith	Pending
5. Check for proper installation	Low	12/15/2009	J. Smith	Pending
6. Check for proper operation	Low	12/15/2009	J. Smith	Pending
7. Check for proper maintenance	Low	12/15/2009	J. Smith	Pending
8. Check for proper safety	Low	12/15/2009	J. Smith	Pending
9. Check for proper documentation	Low	12/15/2009	J. Smith	Pending
10. Check for proper communication	Low	12/15/2009	J. Smith	Pending

Cartegraph Screens: Work Orders



SEMSWA MAINTENANCE WORK ORDER

Work Order Number: 10000 S. 100th Ave. 12/15/2009 10:00 AM

Original Issue and Location

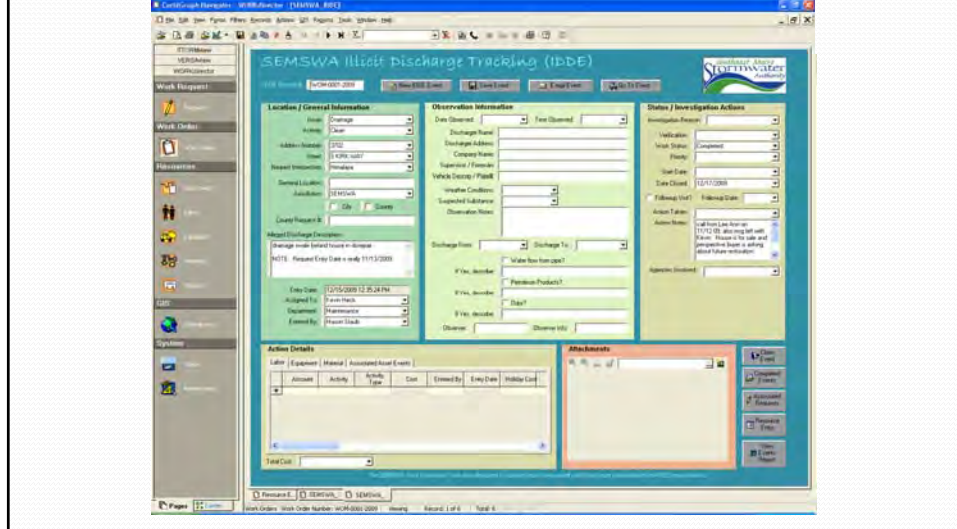
Issue: Check for leaks
Location: 10000 S. 100th Ave.
Assigned To: J. Smith
Status: In Progress

Work Order Details and Associated Assets

ID	Asset	Cost	Entry Date	Standard Hours	Duration (Hours)	Start Date	Stop Date	Total
1	Check for leaks	100.00	12/15/2009	1.00	1.00	12/15/2009	12/15/2009	100.00
2	Inspect for blockages	200.00	12/15/2009	2.00	2.00	12/15/2009	12/15/2009	200.00
3	Check for structural damage	150.00	12/15/2009	1.50	1.50	12/15/2009	12/15/2009	150.00
4	Check for proper flow	100.00	12/15/2009	1.00	1.00	12/15/2009	12/15/2009	100.00
5	Check for proper installation	100.00	12/15/2009	1.00	1.00	12/15/2009	12/15/2009	100.00
6	Check for proper operation	100.00	12/15/2009	1.00	1.00	12/15/2009	12/15/2009	100.00
7	Check for proper maintenance	100.00	12/15/2009	1.00	1.00	12/15/2009	12/15/2009	100.00
8	Check for proper safety	100.00	12/15/2009	1.00	1.00	12/15/2009	12/15/2009	100.00
9	Check for proper documentation	100.00	12/15/2009	1.00	1.00	12/15/2009	12/15/2009	100.00
10	Check for proper communication	100.00	12/15/2009	1.00	1.00	12/15/2009	12/15/2009	100.00

Total Cost: 1000.00

Cartegraph Screens: Illicit Discharge Tracking



Billing System

- Acquired Satellite Imagery as basemap for Impervious Surface
- Provided Stormwater Fee Determination Reports



GIS Administration

- Implemented SEMSWA-owned & managed GIS Server
- Installed free GIS / Map viewers
 - FloodGIS
 - StormGIS
- Continued GIS database maintenance and administration (best practices of course!)

Other GIS Efforts in 2009

- Coordination with City of Centennial and Arapahoe County GIS regarding data sharing (ex. Boundary file sharing for keeping jurisdictional information up-to-date).
- DFIRM Support
- Coordination with Arapahoe County GIS for Arapamap (web GIS tool) use on DFIRM project.
- Participation in Regional GIS Data Consortia (DRCOG)

2010 Outlook

- GIS Specialist
- Mobile Cartegraph / GPS for Illicit Discharge tracking.
- Complete rollout of Mobile Stormwater Inspectors.
- Complete GIS integration with Work Order system.
- Complete initial mapping of stormwater system!
- Lots more...

Thank you!

Questions?