

# SEMSWA GIS Projects Update

Presentation to SEMSWA Board of  
Directors

February 2014

# Current GIS Projects Highlighted

**Channel Inventory**

**MS4 Annual Reporting**

**New SEMSWA Website**

# Channel Inventory

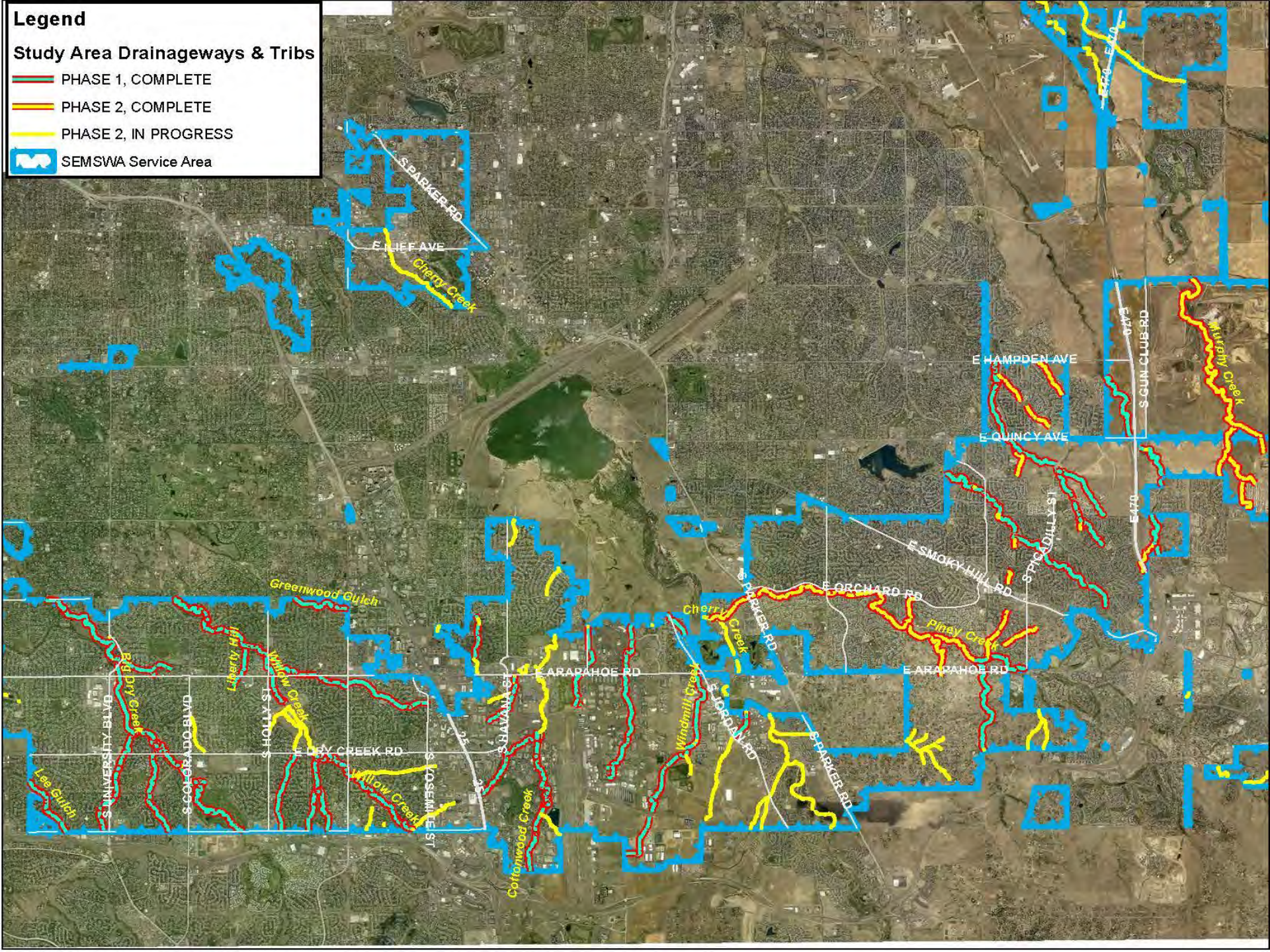
- Contracted with Mountain Mapping & GIS (MMG) and TSH Engineering
- Goals:
  - Identify problem areas in channels
  - Inspect Outfalls for MS4 Permit requirements
- ✓ Phase 1: Full Assessment (Completed 2/12/14)
  - Erosion and channel conditions
  - Outfall Inspections
  - Photo points
- Phase 2: Outfalls Only (In Progress, weather permitting)
  - Outfall Inspections
  - Photo Points
  - MMG only
- Completed by March 2014
- Findings to date (next slide)...



**Legend**

**Study Area Drainageways & Tribes**

- PHASE 1, COMPLETE
- PHASE 2, COMPLETE
- PHASE 2, IN PROGRESS
- SEMSWA Service Area





# Channel Inventory Findings (to date)

Item	Description	Count
Photo Points	Geotagged Photos	2610
Outfalls Inspected	Stormwater Outfalls	870 (130 "Critical", 488 "Good", 109 "Fair", 119 "Poor")
Channel Points	Channel Points (obstructions/other)	80 (26 "Red Flags")
Erosion Points	Erosion Points	128 (33 "Red Flags")
Observation Points	General observations (infrastructure)	179
Miles of Channel	Channel length inspected	58.4 Miles (~25 Remaining)

**Note: Ratings are designed to garner SEMSWA Maintenance / CIP Attention and will be revised.**



# MS4 Annual Reporting

- CDPHE
- Categories and Sources
- MS4 Permit Area & Outfall Map

# MS4 Annual Reporting

Cartegraph

Reporting Requirement	Program	Count	SEMSWA Report Source / Description	Report Hyperlink
<b>IDDE Total number of enforcement actions performed (by enforcement type)</b>	IDDE		Cartegraph Workdirector - "Enforcement Actions Taken (Total by Jurisdiction)"	<a href="#">PDF</a>
City		33		
County		12		
Cherry Creek		22		
<b>Total Number of Construction Sites</b>	GESC - P4		Cartegraph Workdirector - "Enforcement Actions Taken in Cherry Creek Basin"	<a href="#">PDF</a>
City		118	Field - Jobsites inspected spreadsheet export. Annuals removed.	<a href="#">Excel</a>
County		110	"See Inspected Jobsites 2013" Tab	
Cherry Creek		124	"See Inspected Jobsites 2013" Tab	
<b>Total Number of Inspections Performed (split by full and recon)</b>	GESC - P4		Field ID - Jobsites inspected spreadsheet export - Advanced Filter "for unique values". Annuals Removed.	<a href="#">Excel</a>
City		1,277 (93 Recon, 884 Full)	Field ID - Events (split by Recon (Recon / Driveby)... and all other types for Full Inspection). Annuals Removed.	<a href="#">Excel</a>
County		844 (65 Recon, 779 Full)	See "City of Centennial Inspections" Tab	
Cherry Creek		947 (54 Recon, 873)	See "Arapahoe County Inspections" Tab	
<b>Compliance Assurance (Enforcement Actions by Type for GESC)</b>	GESC - P4		See "Cherry Creek Inspections" Tab	
City		24	CG - Fees, Cases count. No counts on SPIP (GESC only). Compare w/ FieldID Escalated Enf and Re-Inspect Fee Events.	<a href="#">Excel</a>
County		35	Based on CG - Fees Report	<a href="#">PDF</a>
Cherry Creek		12		<a href="#">PDF</a>
<b>Total number of sites for which BMPs were required or specific BMPs implemented</b>	P5		Based on CG - Fees Report	<a href="#">PDF</a>
City		8	CG Cases - BMP Date Accepted. Note: FA/FCO report shows 19 BMPs	<a href="#">PDF</a>
County		3		
Cherry Creek		In Progress		
<b>Total number of sites / BMPs inspected</b>	P5		Field ID - Events (During and Post)	
		In Progress		
<b>Total number of enforcement actions</b>	P5		Field ID - Events *enforcement type. CG - Enforcement Fees?	
		In Progress		

\*All reports broken down by jurisdiction and ch creek



*Various programs used to track and report...Not optimal, but more reliable!*

# New SEMSWA Website

- Target Release: End of February – Early March
- Features:
  - Customer Oriented
  - Easy to find information
  - Project Highlights
  - Social Media? RSS Feeds?
  - Conducting business
  - Intranet
  - RTS will host, we will maintain!



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## Wetlands and improved channel

[LEARN MORE >](#)

### LATEST ALERTS

Coming soon!

[VIEW ALL NOTICES](#)

### MOST REQUESTED INFORMATION

[CONTRACTS, BIDS & PROPOSALS](#)[FOR PARK, METRO DIST. & HOA MAINT.](#)[INFORMATION FOR BUSINESSES](#)[INFORMATION FOR RESIDENCES](#)[HOW ARE WE DOING](#)

WE PROVIDE STORMWATER MANAGEMENT SERVICES ESSENTIAL TO THE PROTECTION, PRESERVATION & ENHANCEMENT OF OUR NEIGHBORHOODS, COMMUNITY & NATURAL RESOURCES.

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# Thank you. Questions?

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