

City of Valdosta Stormwater Committee (SWC) Meeting No. 1 Agenda

- 1. Introductions**
- 2. SWC operation and goals**
- 3. Existing Stormwater Problems**
- 4. Current and future goals**
- 5. Defining the Protection/Service Level**
- 6. Identification and Prioritization of solutions**
- 7. Proposed Meeting Schedule**

SWC Members

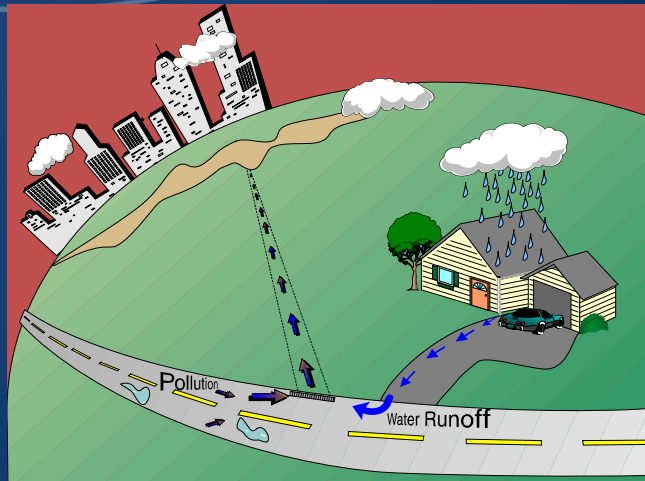
Elliott Norwood – District 1	Danny Roundtree - Contractor
Rodney Flucas District 2	Angela Wall - SGRC
Sonny Vickers – District 3	Dan Deaver - Engineer
Danny Parkinson – District 4	Connie Ledbetter – Community
Alan Sanderson – District 5	Henry Calhoun – Community
Elton Cowart – District 6	Jeff Lovell – At Large/Engineer
Can Denizman - VSU	Danny Sermons – Community
Ginny Holton - Community	

SWC Operation and Goals

- ◆ Five monthly meetings
- ◆ Outreach and Education regarding the current stormwater problems
- ◆ SWC represents the concerns of multiple city groups
- ◆ SWC will identify the desired Level of Service
- ◆ SWC will present results to the Mayor and City Council

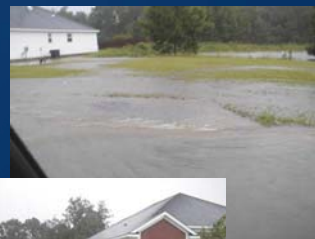


Runoff Impacts are related to Urban Development



Localized Flooding Impacts Traffic and Roadway Conditions

- ◆ Areas with roadway and nuisance flooding
- ◆ Impacts to traffic patterns at important road intersections
- ◆ Degradation of pavement
- ◆ Increased costs associated with roadway rehabilitation



Controlling Sediment and Optimizing O&M is Vital to Valdosta

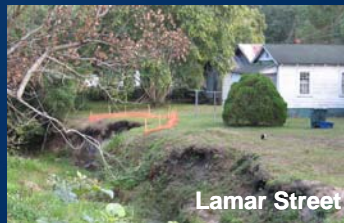
- ◆ Significant erosion and deposition
- ◆ Erosion: loss of trees and land in areas adjacent to the streams
- ◆ Deposition: sediment build up at roadway crossings and stream locations



Sugar Creek



Baytree Road



Lamar Street

Water Quality Degradation Must be Addressed with Master Plan Update

- ◆ Two Mile Creek is on the 303d list and impaired for fecal coliform
- ◆ Trash and litter control is an important priority
- ◆ Water Quality degradation increases with urbanization



City must identify critical objectives during catastrophic events

- ◆ Evacuation routes should be passable
- ◆ Critical infrastructure should be protected (hospitals, fire station, treatment plants, ...)
- ◆ Protection of Life and property

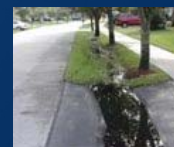


Pictures from the March 2009 severe flooding event

Stormwater Program Goals and Objectives

- ◆ Flood Control
- ◆ Operation and Maintenance
- ◆ Water Quality Protection TMDLs
- ◆ Stream and Wetlands Management
- ◆ Capital Improvements
- ◆ Program Financing
- ◆ Community Acceptance

Levels of Service

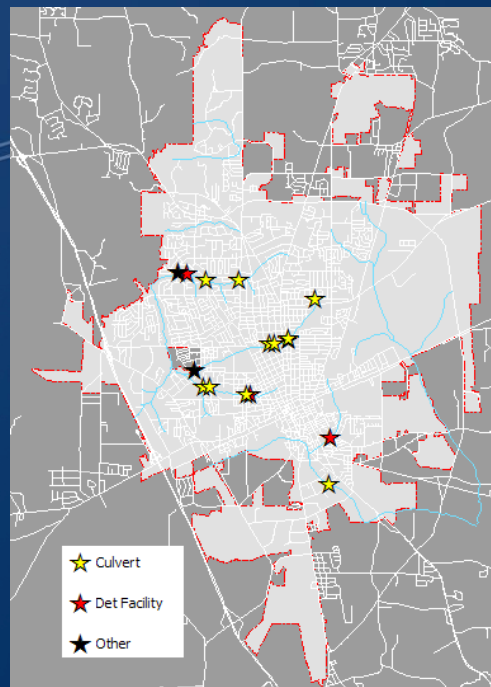


Community Acceptance

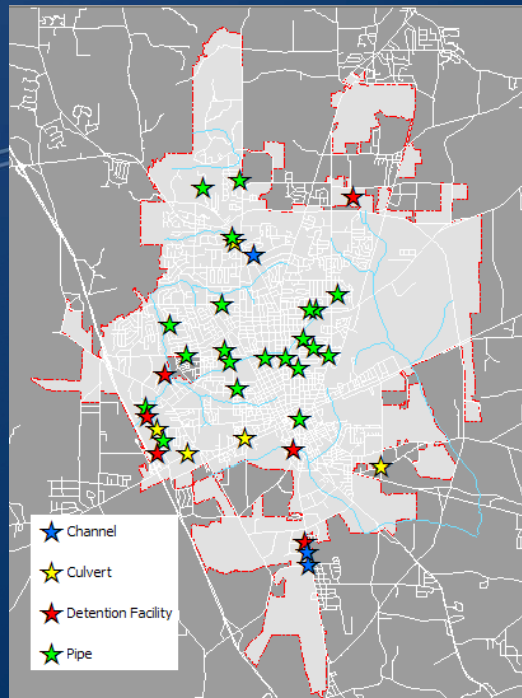


**The 1996
Stormwater
Master Plan
identified 58
potential projects
to address known
stormwater
issues**

16 projects have
been built to date,
for a total cost of
\$4.8M



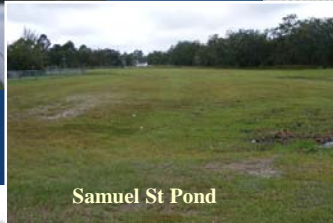
**In addition to
the 1996
SWMP
projects the
City has built
35 projects
funded by
SPLOST
(\$3.9 M)**



15 Culverts have been upgraded



10 Retention ponds have been built to reduce erosion and pollution



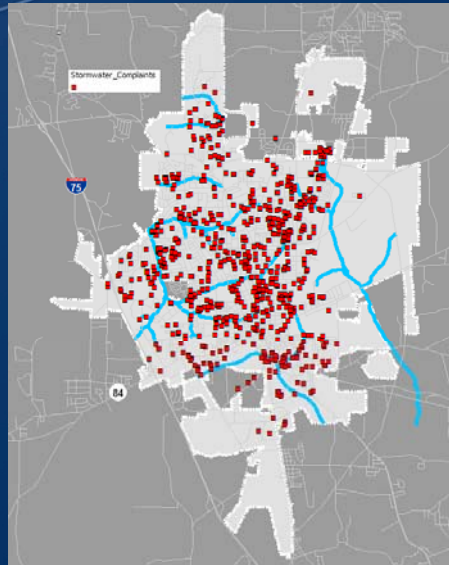
The City has created a stormwater utility in 2006 to allocate funds specifically for maintenance of the stormwater system

- ◆ A stormwater superintendent is now overseeing the operation and maintenance of stormwater infrastructure
- ◆ The City has been proactive in addressing water quality issues related to the NPDES Phase II permit requirements



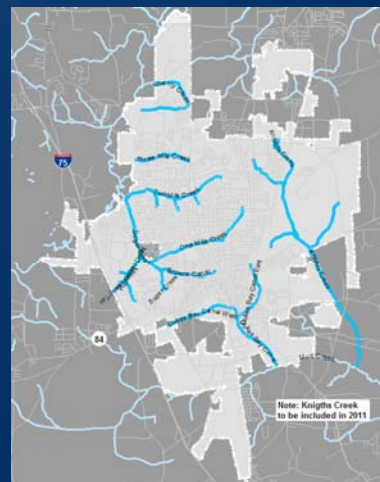
Stormwater complaints will direct maintenance activities

- ◆ Stormwater problems occur throughout the community
- ◆ The City currently keeps track of complaints received from residents
- ◆ The City will expand their asset management tool to include stormwater complaints and schedule maintenance



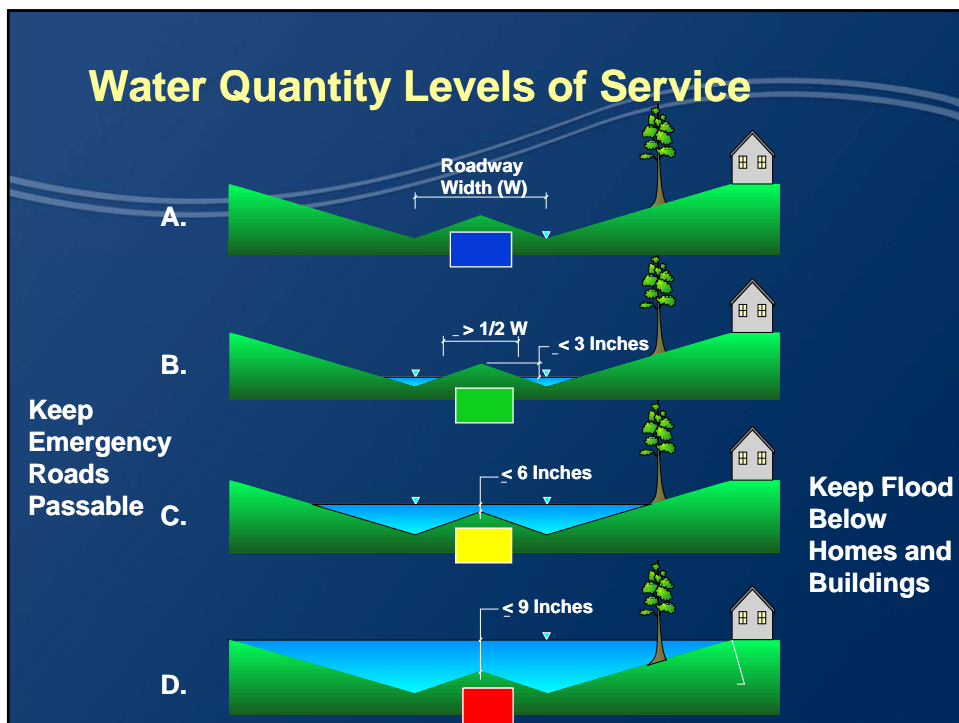
This master plan will evaluate 22 stream miles

Stream Name	Stream Miles
One Mile Creek	2.9
Sugar Creek	2.8
Dukes Bay Canal	5.2
Browns Canal	1.5
Three Mile Creek	1.5
Two Mile Creek	3.8
Cherry Creek	2.4
Hightower Creek	2.1
Total	22.0



Now Valdosta faces a more challenging environment to implement projects

- ◆ Limited City funds require close attention to selecting projects that provide the “best bang for buck”
- ◆ Engineering analysis should quantify the benefits of stormwater projects. This is the main purpose of the SWMP
- ◆ Overall look at City wide issues to rank most suitable projects



Quantity Level of Service (LOS)



Home Flood
Frequency



Evacuation Route Flood
Frequency



Secondary Road Flood
Frequency

Quality Level of Service (LOS)



Stream Peak
Velocity



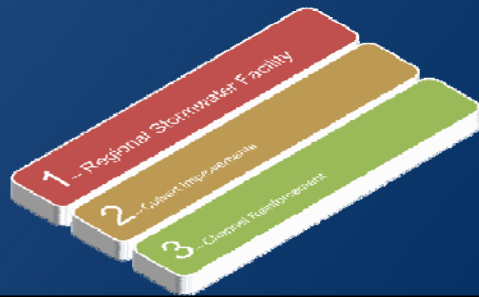
Pollutant Reduction



Wetland Protection

The City will prioritize capital improvement project based on measurable metrics

- ◆ Projects will be prioritized based on
 - ◆ Quantity Levels of Service
 - ◆ Quality Levels of Service
 - ◆ Joint use facilities
 - ◆ Construction and Maintenance Costs

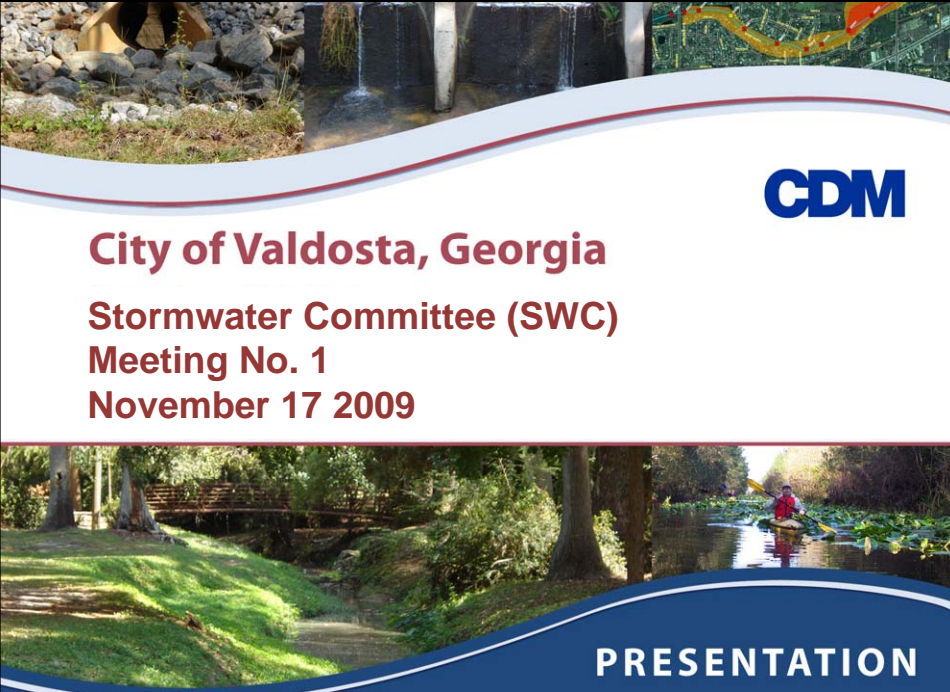


SWC Meeting No 1 Summary

- ◆ Overall Program
- ◆ SWC Operation and Goals
- ◆ Current Stormwater Problems
- ◆ Ongoing City efforts to address issues
- ◆ SWC objective is to establish the desired:
 - ◆ Quantity Level of Service
 - ◆ Quality Level of Service

Stormwater Committee (SWC) Meeting Dates

- ◆ Nov 17 2009 – Meeting No 1
- ◆ Dec 1 2009 – Meeting No 2
- ◆ Jan 19 2010 – Meeting No 3
- ◆ Feb 23 2010 – Meeting No 4
- ◆ Mar 23 2010 – Meeting No 5
- ◆ Apr 20 2010 – Extra Meeting (if necessary)
- ◆ April 2010 – Recommendation to Council



CDM

City of Valdosta, Georgia
Stormwater Committee (SWC)
Meeting No. 1
November 17 2009

PRESENTATION