

# Stormwater Retrofit Planning Project for WRIA 9

Mid 2011 Project Update

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Giles Pettifor, King County

[Giles.Pettifor@KingCounty.gov](mailto:Giles.Pettifor@KingCounty.gov)

# Why are Retrofits Important?

- Most developed areas have no or inadequate controls
- Large storm flows erode streams
- Untreated stormwaters harm fish

➔ Retrofits improve flow and water quality

# What Are Stormwater Retrofits

- Stormwater control and treatment projects
  - in already developed areas where existing stormwater controls are non-existent or inadequate
  - that are not part of redevelopment

# Stormwater Retrofit Examples



# Status of Stormwater Retrofit Programs

- No comprehensive program
- Some projects under construction
- Can include Low-Impact-Development (LID)
- Increased permit requirements are likely
- No overall cost estimates, prioritization, etc

# Stormwater Retrofit Planning for WRIA 9

- \$1M grant from EPA
- Assess needs in WRIA 9
- Focus on stream level
- Cost effectiveness
- Work with stakeholders
- Extrapolate cost estimates to all Puget Sound

# Project Schedule



# 2011 Project Progress

- Workshop # 1 was success
- Watershed modeling is ongoing and making progress
- Meeting with local WRIA jurisdictions
  - Met with staff from Burien, Black Diamond, Algona, Covington and SeaTac
  - In coordination with several others
- Preparing for Workshop #2 in October

# Stakeholder Input Workshops

## ➤ Workshop #1

- Attended by 50 people representing various agencies, muni's, non-profits, and businesses
- Project Introduction and purpose
- Answered extensive questions about each step of project
- Developed list of related regional projects with audience input
- Discussed flow and water quality indicators

# Stakeholder Input Workshops

## ➤ Workshop #2

- October 2011
- Present and discuss level of protectiveness
  - How do we define healthy streams?
  - Could range from incremental improvement to pristine
- BMP selection discussion
  - Suitability of BMPs
  - Maximize usefulness to WRIA jurisdictions

# Stakeholder Input Workshops

## ➤ Workshop #3

- Fall of 2013
- Review initial model results
- Review initial costs estimates

# Questions?

# Primary Streams Addressed

- Newaukum Creek
- Soos Creek
- Crisp Creek
- Mill Creek – Auburn
- Mill Creek – Kent
- Springbrook Creek
- Des Moines Creek
- Miller / Walker Creeks
- Joes Creek
- Plus other streams



# Water Resource Inventory Area 9

