



Third Fork Creek Watershed Planning and Design Project

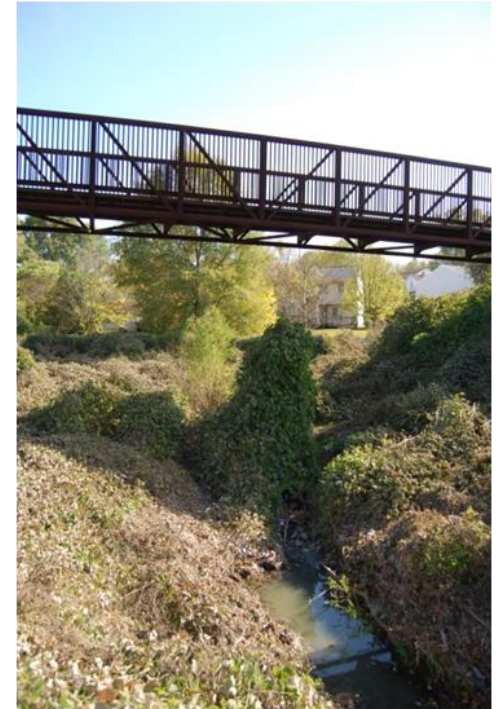
Briefing Agenda:

- Project background
- Project status
- Schedule
- Next steps
- What you need to know

Public Works Department

101 CITY HALL PLAZA
DURHAM, NC 27701
P 919.560.4326
F 919.560.4316

David.Brown@durhamnc.gov





Third Fork Creek Watershed Project Managers

- Dave Brown – City Project Manager
- J. Todd Kennedy – Consultant Team Project Manager

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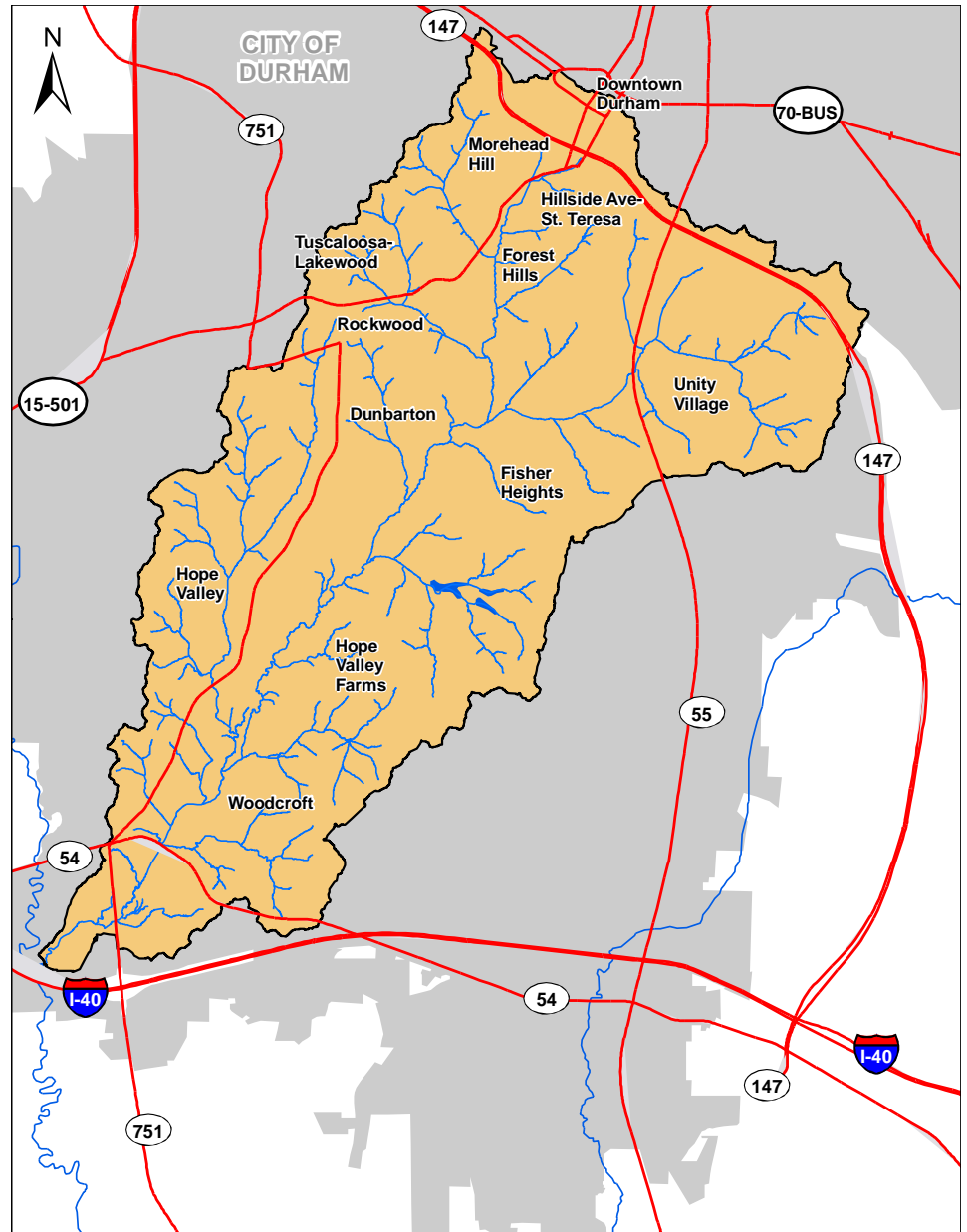
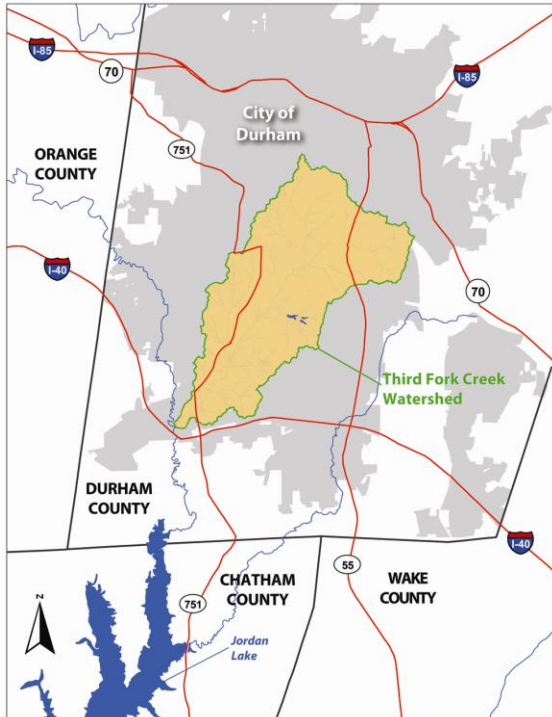
Dave Brown, City of Durham



J. Todd Kennedy, Tetra Tech



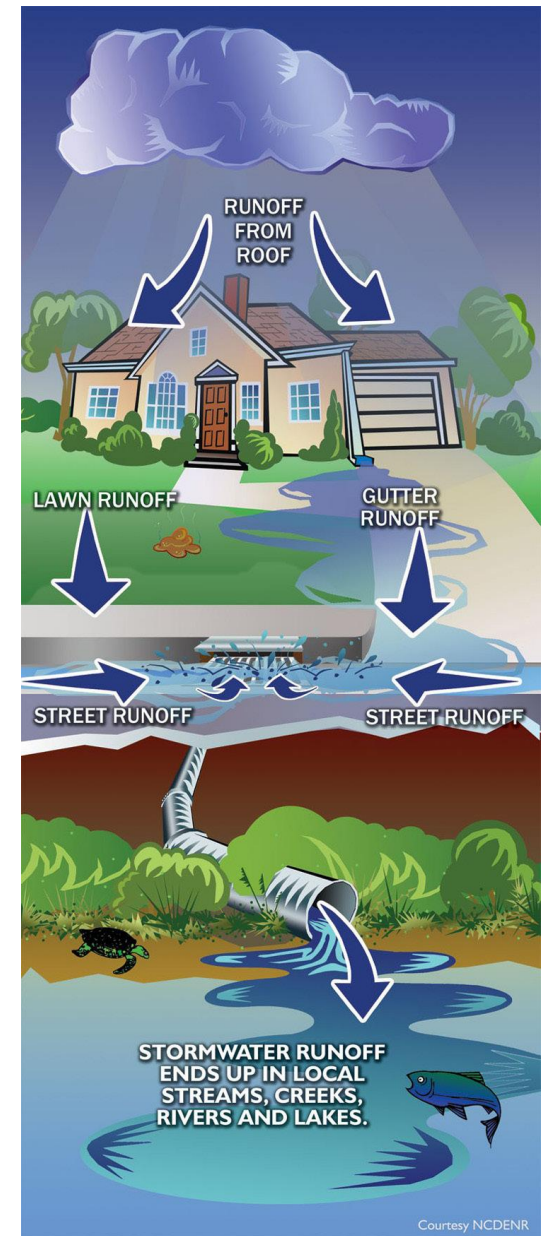
Watershed Location



Why a Watershed Perspective?

It helps “us” see the connection between what’s happening on the land and the quality of water in the stream

It allows for better overall management of stormwater runoff



Most Significant Water Quality Concerns in Third Fork Creek

- Nitrogen and Phosphorus Loading
- Channel Instability
- High Sediment
- High Turbidity (muddy water)
- Low D.O. (dissolved oxygen)
- Extremely Low Biological Activity (very little biological life)





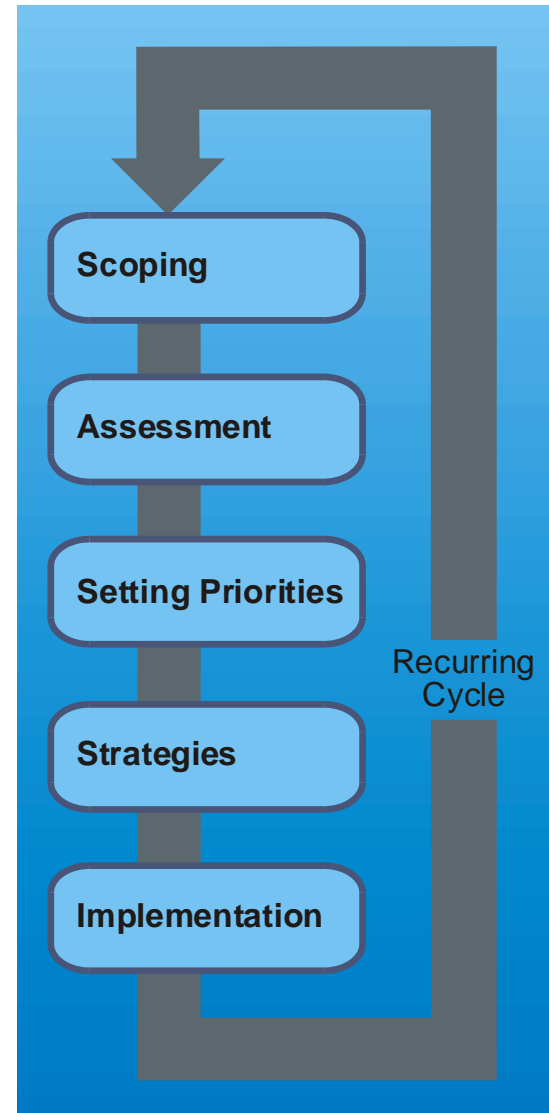
Third Fork Creek Watershed Planning Goals



- Restore and protect watershed functions and Jordan Lake
- Protect human health, safety, and property by reducing stormwater impacts
- Support balanced, sustainable, and diverse land use and development
- Build partnerships and involve stakeholders
- Ensure compliance with federal and state regulatory mandates

Watershed Planning Process

- Dynamic (continuous and adaptive)
- Sets priorities for construction of stormwater treatment retrofits and stream restoration projects
- The first plan forms a foundation





Third Fork Creek Watershed Project Status

Field Work Completed:

- Evaluation of existing data
- Survey of stream and inspection of stream buffers
- Evaluation of 110+ new and existing stormwater treatment sites for potential installation or modification to improve water quality





Third Fork Creek Watershed Next Steps

- Complete assessment and finalize recommendations
 - stormwater retrofits
 - stream restoration
 - protection (preservation, conservation)
- Make program recommendations to enhance stormwater management for new development (BMP maintenance, low impact development, etc.)
- Draft Third Fork Creek Watershed Management Plan and Implementation Strategy



Third Fork Creek Watershed Planning Project Schedule

- **Spring 2011:** Synthesize Assessment Information
- **Fall 2011:** Complete Stormwater Retrofit Pilot Project Designs
- **Fall 2011:** Complete Restoration Conceptual Designs



Third Fork Creek Watershed Planning Project Schedule

- **Winter 2011/2012:** Provide Program Recommendations to Enhance Stormwater Management for New Development
- **Spring 2012:** Complete Watershed Management Plan and Implementation Strategy



What You Can Do

Stay Informed

- Visit the Stormwater Services website at www.durhamnc.gov/stormwater to review reports, newsletters, and draft recommendations for Third Fork Creek
- Attend public meetings (2 additional)

Stay in Contact with the City

- Dave Brown (Prime Point of Contact)
- Phone: 919/560-4326, x30241
- E-mail: David.Brown@durhamnc.gov