

# DEVELOPMENT OF THE NIANTIC RIVER WATERSHED PLAN BY: CHRIS TOMICHEK

Niantic  
River  
Watershed  
Plan



***Kleinschmidt***

*Energy & Water Resource Consultants*

[www.KleinschmidtUSA.com](http://www.KleinschmidtUSA.com)



# Steering Committee

- Marcia Balint, CTDEP OLISP,
- Colleen Bezanson, Town of Montville,
- Allison Branco, UCONN Avery Point, Marine Sciences
- Mary Ann Chinatti, Town of Salem,
- Maureen Fitzgerald, Town of Waterford,
- John Gaucher, CTDEP OLISP,
- Fred Grimsey, Save the River, Save the Hills
- Mary-Beth Hart, CTDEP OLISP,
- Kristal Kallenberg, CTDEP OLISP,
- Dr. Jim Kremer, UCONN Avery Point, Marine Sciences,
- Don Landers, East Lyme Harbor Mangemt/Shellfish Commission,
- John Mullaney, USGS,
- Meg Parulis, Town of East Lyme,
- Sally Snyder, Town of Salem,
- Paul Stacey, CTDEP Nonpoint Source Program
- Eric Thomas, CTDEP Watershed Management Program,
- Jamie Vaudrey, UCONN Avery Point, Marine Sciences
- Tom Wagner, Town of Waterford

***Kleinschmidt***

*Energy & Water Resource Consultants*

[www.KleinschmidtUSA.com](http://www.KleinschmidtUSA.com)



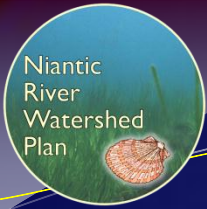
# Key Components of the Plan

- Step 1: Describe the watershed
- Step 2: Identify existing water quality issues of concern
- Step 3: Assess potential threats to the watershed and water quality
- Step 4: Identify watershed management priorities, *i.e. greatest potential and manageable threats*
- Step 5: Identify watershed management measures to minimize pollution
- Step 6: Estimate potential nonpoint source pollution reductions from selected management measures, where applicable
- Step 7: Develop monitoring, financial, and informational/education recommendations to implement the watershed plan

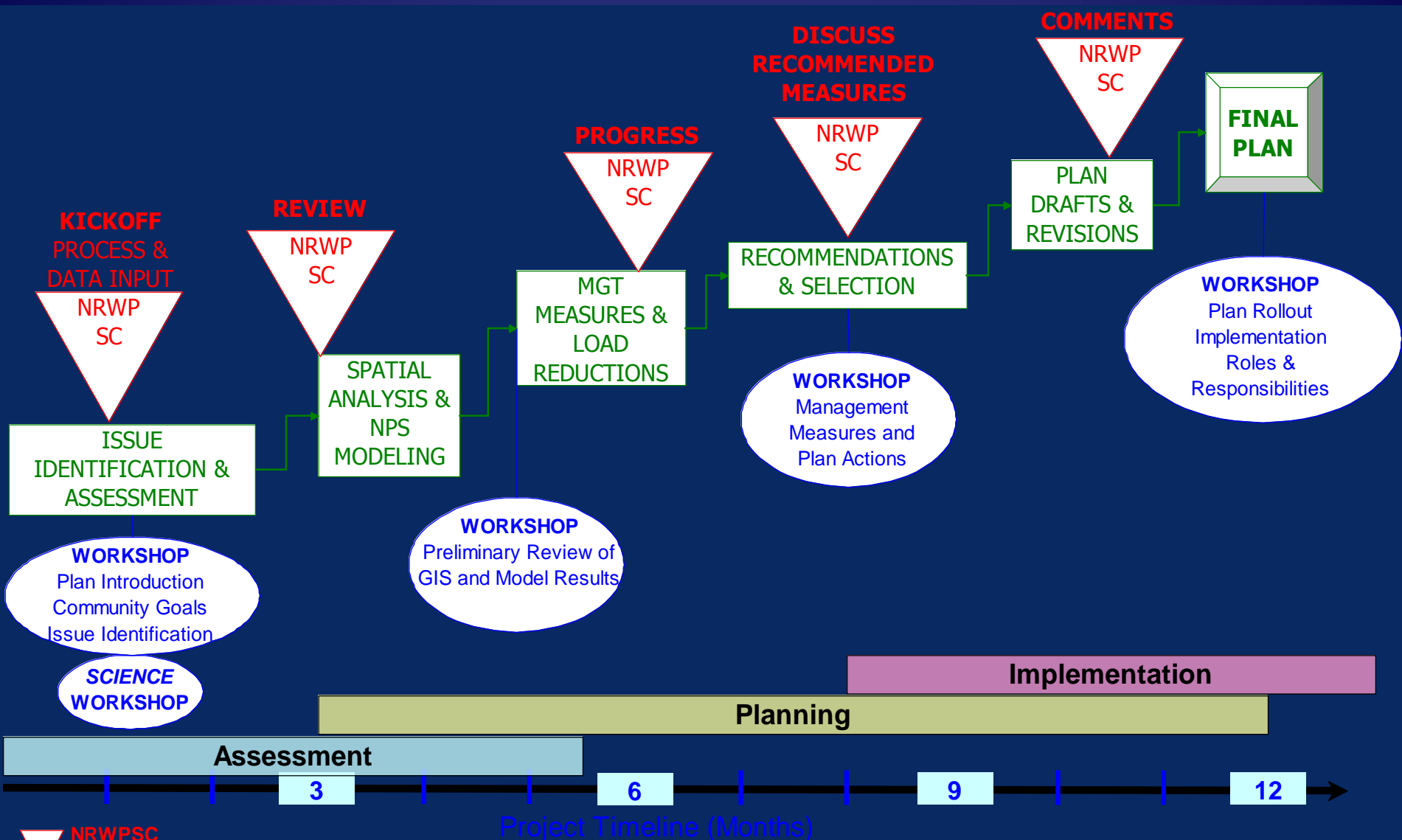
***Kleinschmidt***

Energy & Water Resource Consultants

[www.KleinschmidtUSA.com](http://www.KleinschmidtUSA.com)



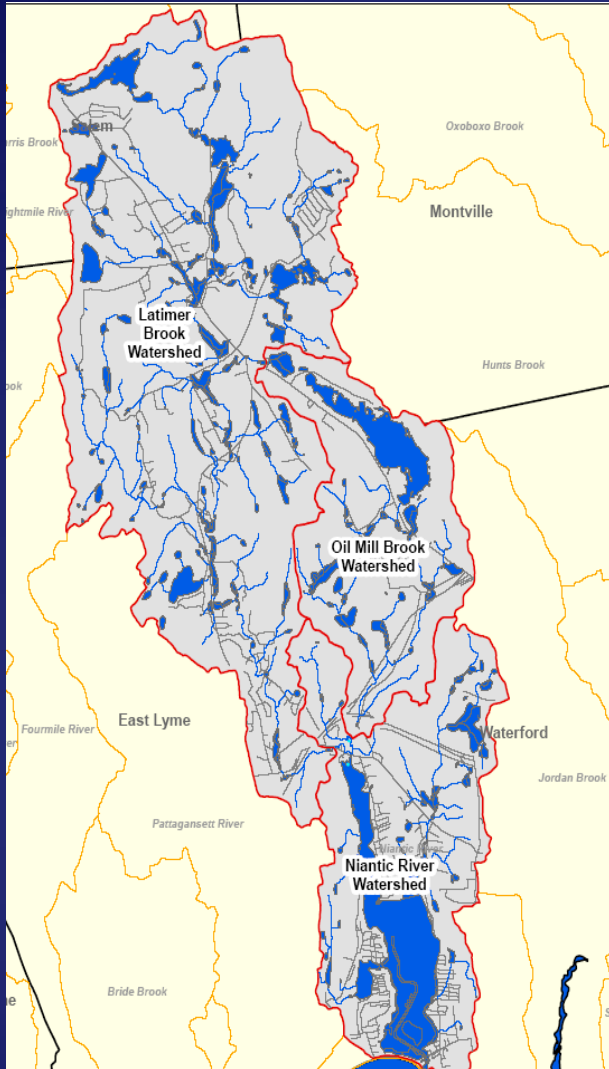
# PROJECT OVERVIEW



 **NRWPSC**  
Niantic River Watershed Plan  
Steering Committee



# Watershed Plan Goals



- Identify, investigate and address the pertinent and emerging issues facing the watershed.
- Develop recommendations with the clear potential to effect on-the-ground change within the watershed.



# OBJECTIVES

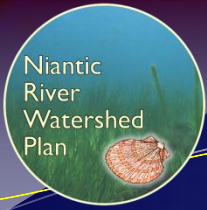


Where and whenever  
**PRACTICABLE:**

Avoid conversion of lands that are particularly susceptible to erosion and sediment loss;

Preserve areas that provide important water quality benefits and/or are necessary to maintain riparian and aquatic biota; and

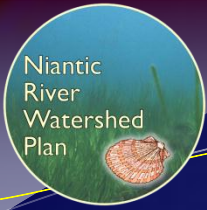
Site development to protect the natural integrity of waterbodies and natural drainage systems.



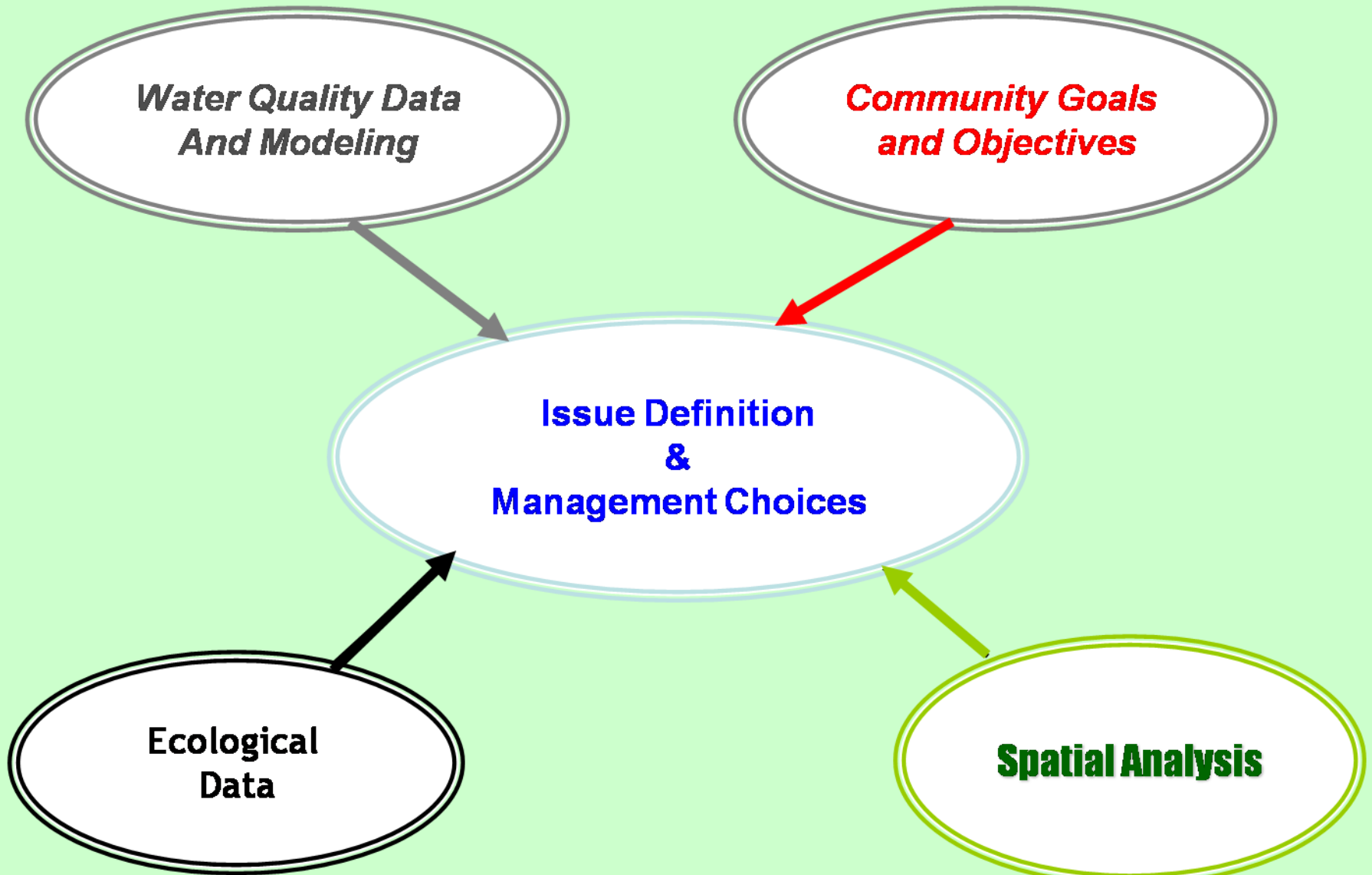
# Expected Outcomes

1. Process that can be transferred to other watersheds;
2. Synthesis of existing data;
3. Information and tools that aid decision making;
4. Coalition building and increased awareness;
5. Defensible, cost-effective strategies and actions;
6. Monitoring program.

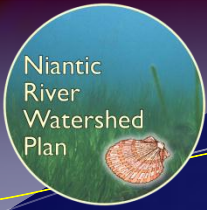




# Integration







# Implementation

Recommendations to  
reduce nonpoint source  
pollution  
Education and Outreach  
Components

Workshops

Stakeholders

Professional Groups (e.g.,  
builders, consultants)

Project Website

Identify monitoring needs  
Performance Measure and  
Milestones

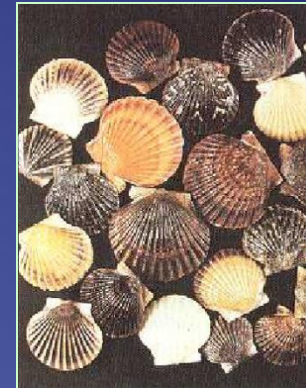




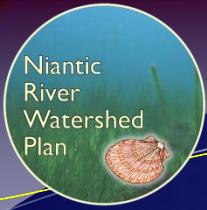
# Past & Current Research

There were many sources of existing scientific information that needed to be collected, synthesized, and included in the final Watershed Plan:

- ✓ Millstone Environmental Lab (30 year continuous database)
- ✓ Connecticut Department of Environmental Protection
- ✓ Towns of East Lyme and Waterford Water Quality Monitoring
- ✓ University of Connecticut
- ✓ US Geological Survey
- ✓ East Lyme and Waterford High Schools
- ✓ Project Oceanology
- ✓ US Coast Guard Academy
- ✓ NOAA Milford Laboratory
- ✓ Long Island Sound Study







# Stakeholder Input

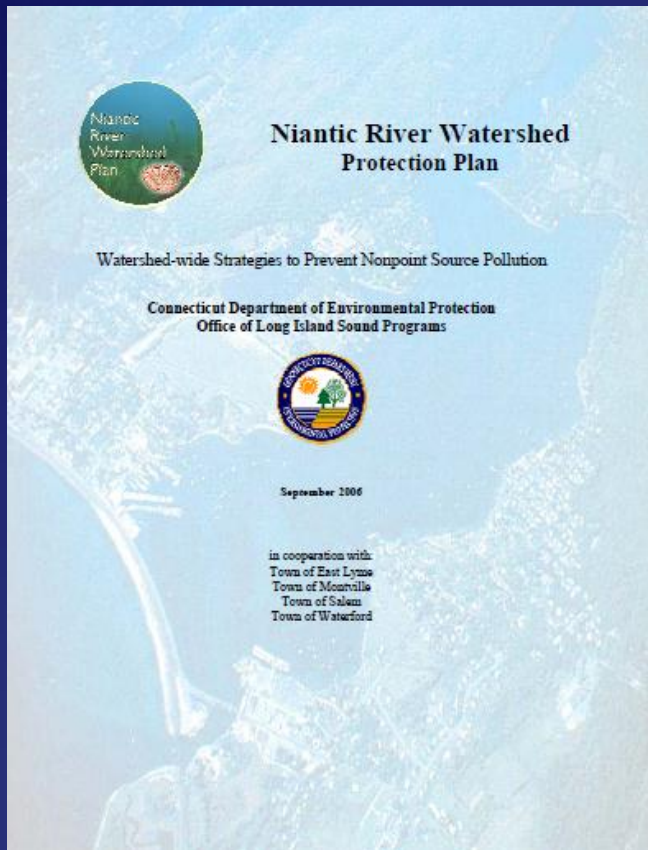
## WORKSHOPS



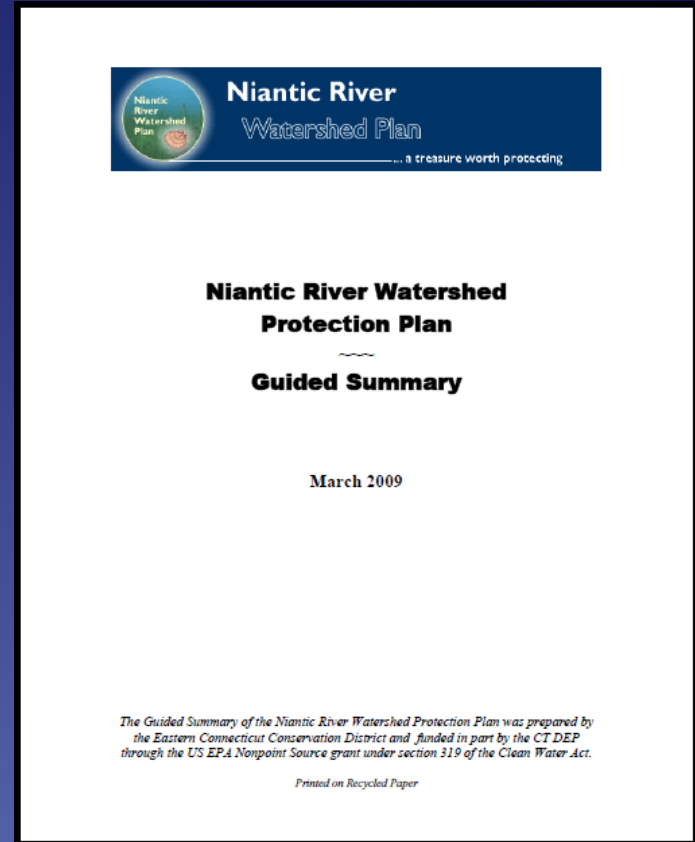
- Science
- Community Goals
- Review of GIS and Model
- Management Measures
- Plan Rollout
- BMPs for Developers



# Final Plan



The final NRWPP was prepared by Kleinschmidt and provides a 279 page comprehensive account of the background data and recommendations.



The Guided Summary was prepared by the Eastern Connecticut Conservation District to provide a shortened account of the highlights of the full plan.