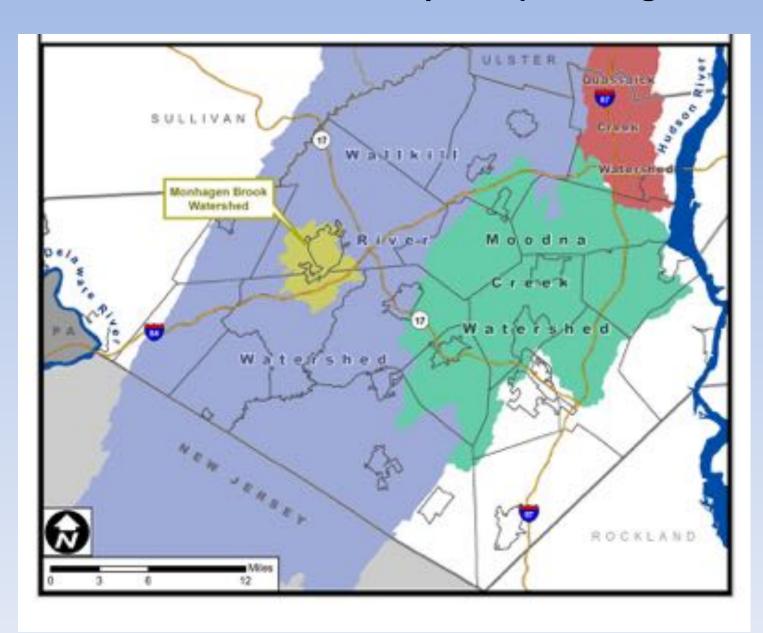


Kelly Morris, AICP
Orange County Planning Department
& Orange County Water Authority

Common Watershed Management Goals are to Improve or Protect:

- Water quality
 - Habitat
- Recreational access to water
 - Flood resiliency
 - Water quantity
 - Historical sites
 - Scenic areas
- Quality of life of areas abutting water resources

Watersheds with watershed plans (in Orange County)



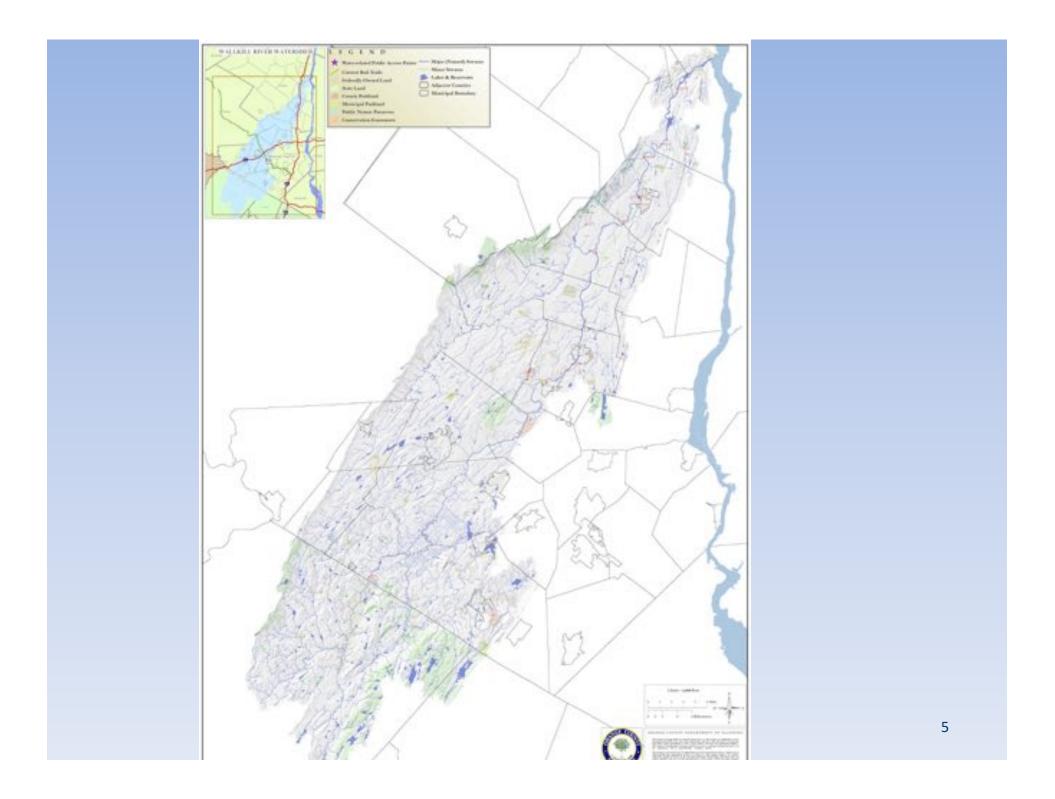
Wallkill River Watershed Conservation and Management Plan



Project Staff:

Orange County Soil and Water Conservation District
Ulster County Soil and Water Conservation District
Orange County Planning Department
Orange County Water Authority
Ulster County Planning Department

Funded in part by a grant from the New York State Department of Environmental Conservation's Hudson River Estuary Program



Moodna Creek Watershed Conservation and Management Plan



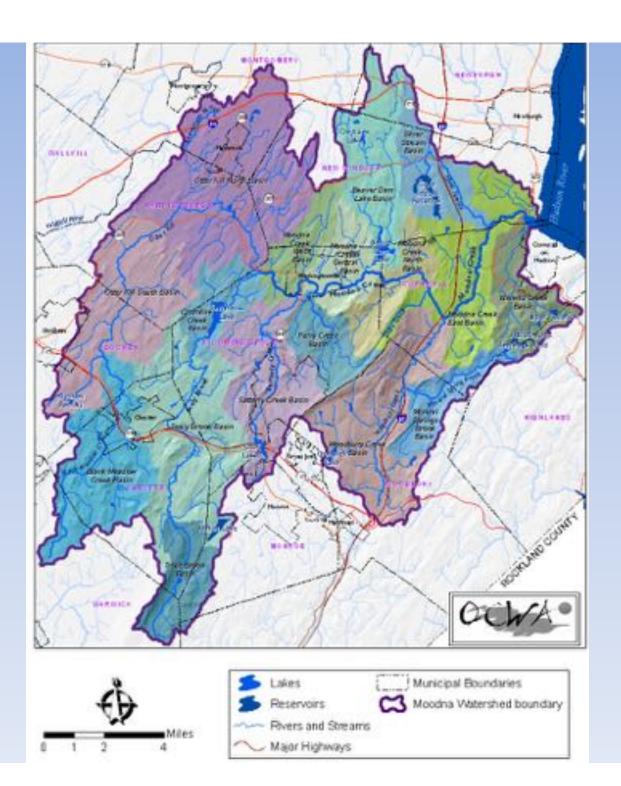
Prepared by the Orange County Water Authority

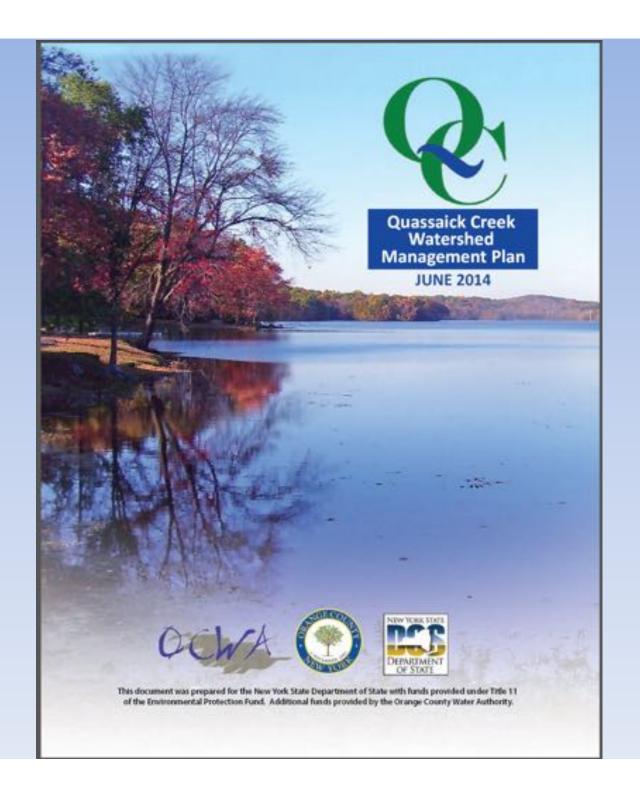
New York State Department of Environmental Conservation provided funding for this project from the Environmental Protection Funds through the Hudson River Estuary Program

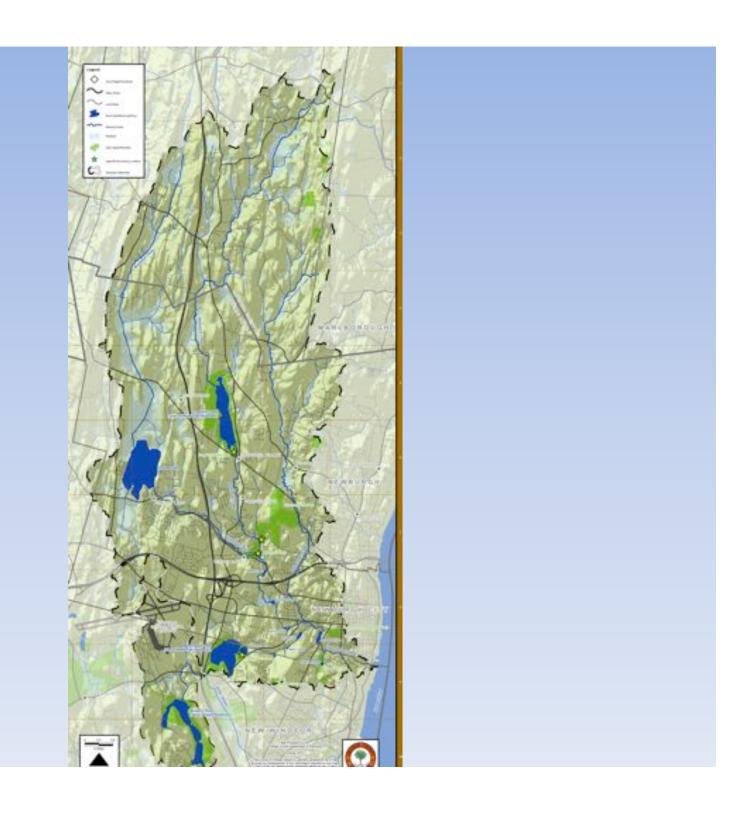


March 2010

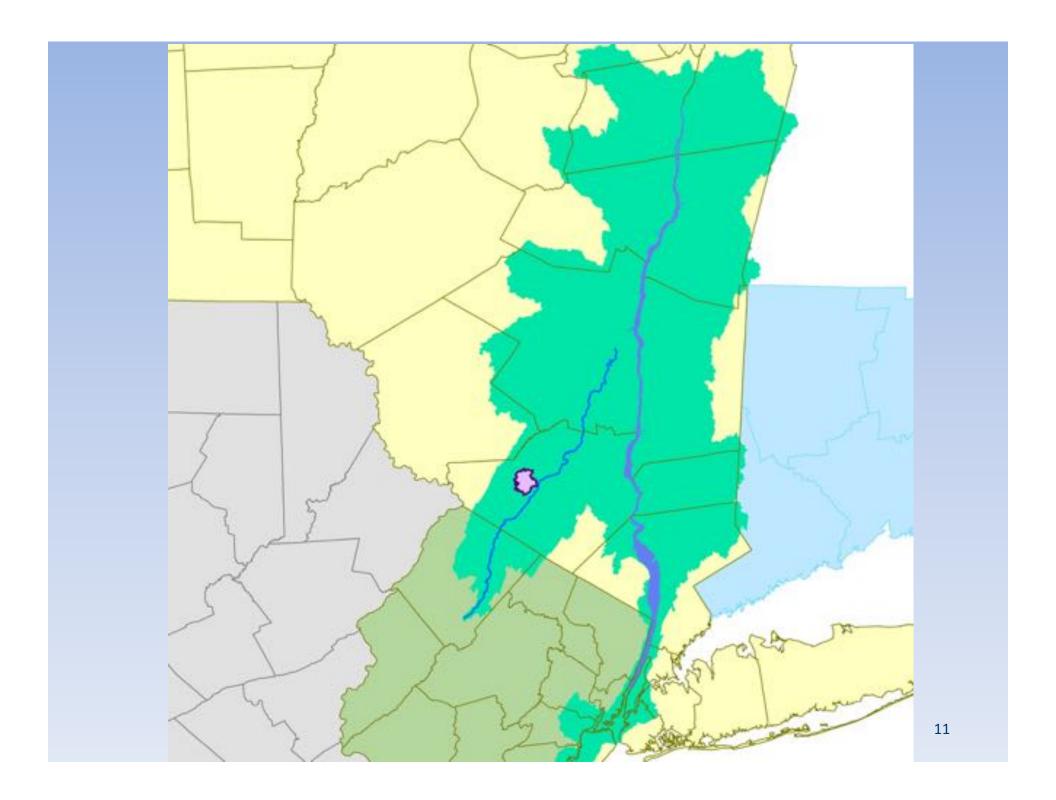








Monhagen Brook Watershed



HODLETOWN WAWAYANDA Streams - Monhagen Brook Water Bodies Municipal Boundaries Highways

Watershed Profile

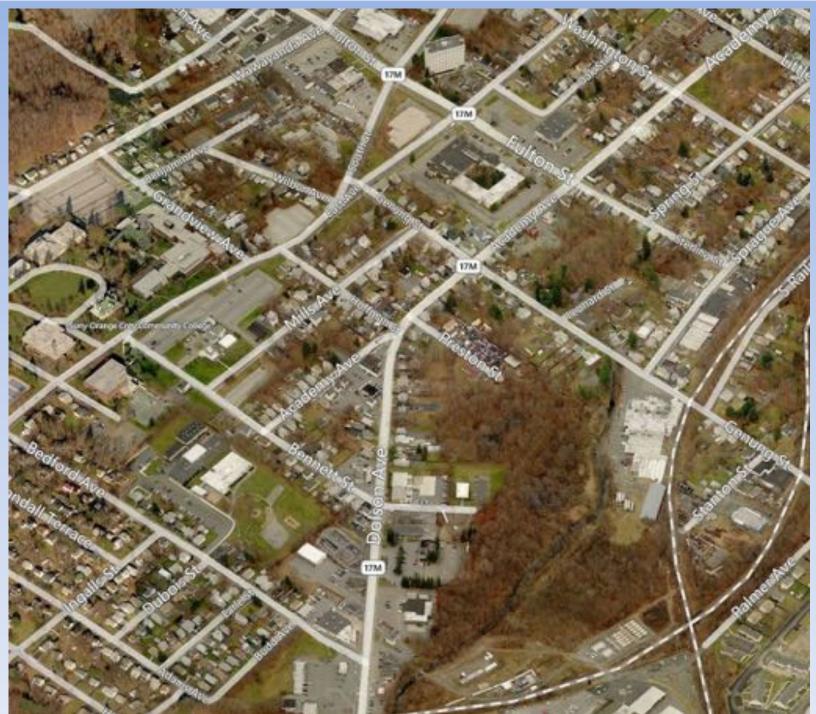


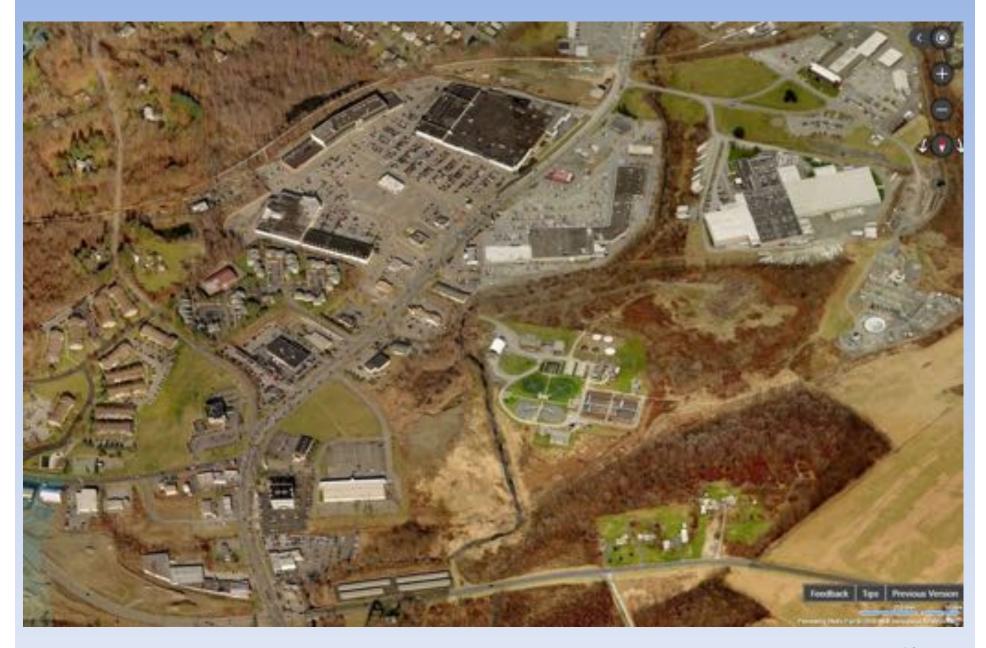
Fancher Davidge Park















Recent and Current Initiatives





'tree filter'

Stormwater
Filtering
Practice
18 Seward
Avenue
OCSWCD
OCCCE/Master
Gardeners







Simon Property
Dolsontown Road
Riparian Planting
OCSWCD
NYSDEC/TFT



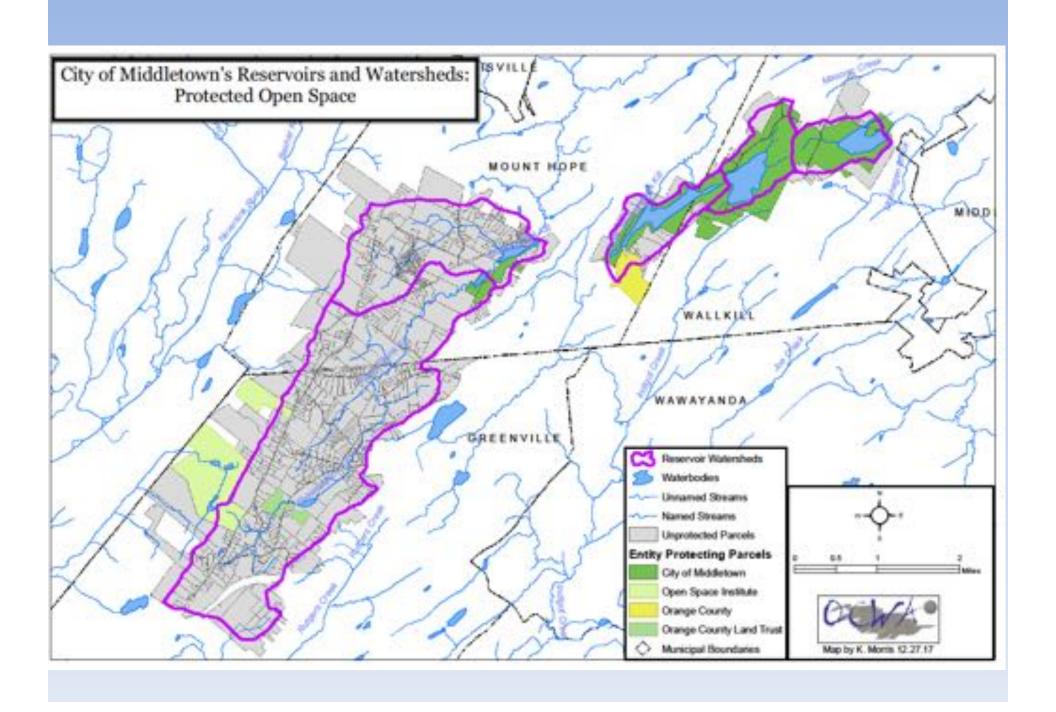


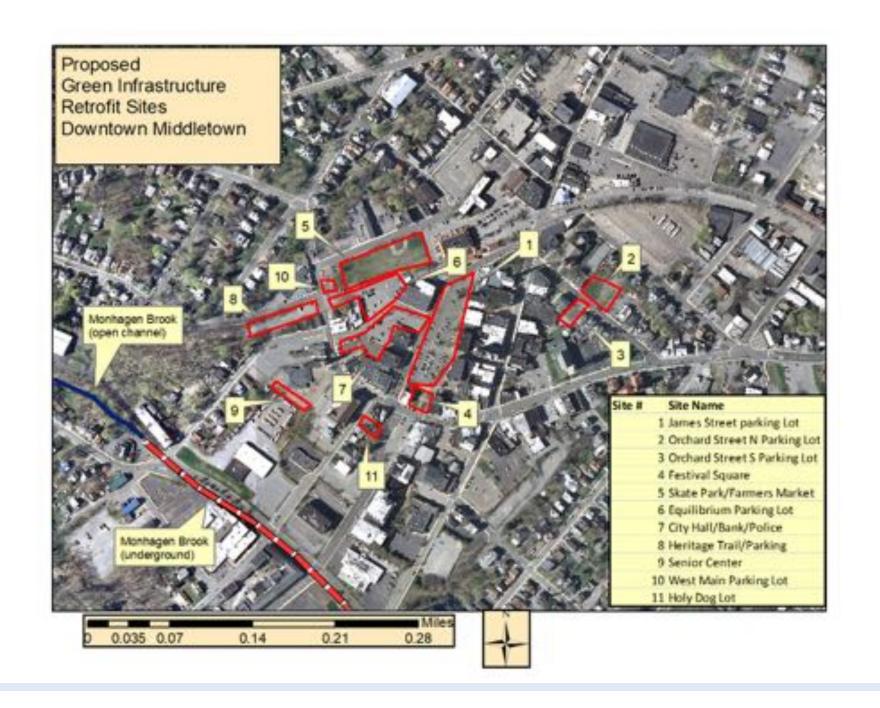


Campbell Plaza Stream Improvement









Monhagen Brook Watershed Plan

Watershed Planning Process

1. Information collection

2. Watershed Characterization

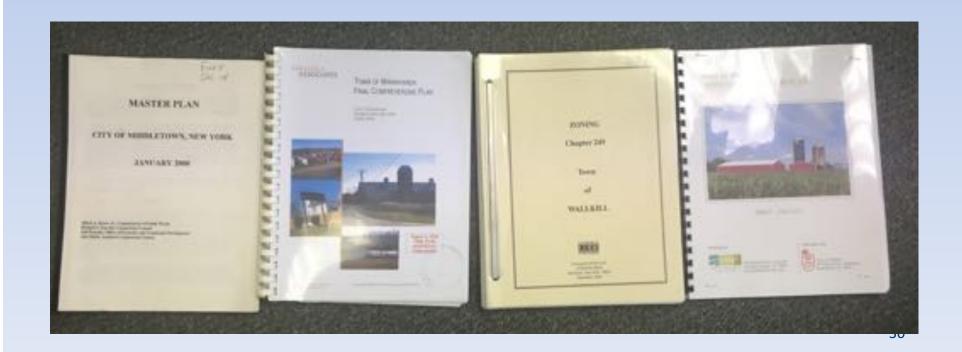
3. Management Strategies

4. Implementation Plan

5. Watershed Management Plan

Municipal Policy Review

- Local Comprehensive Plans
- Zoning Codes
- Other regs or policies that could affect watershed

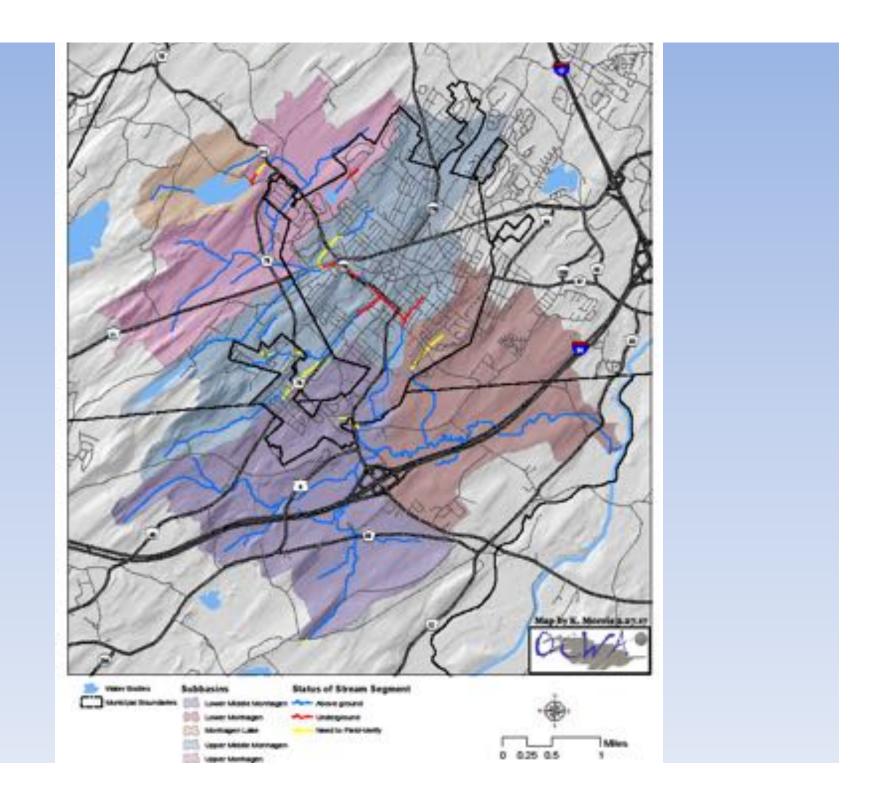


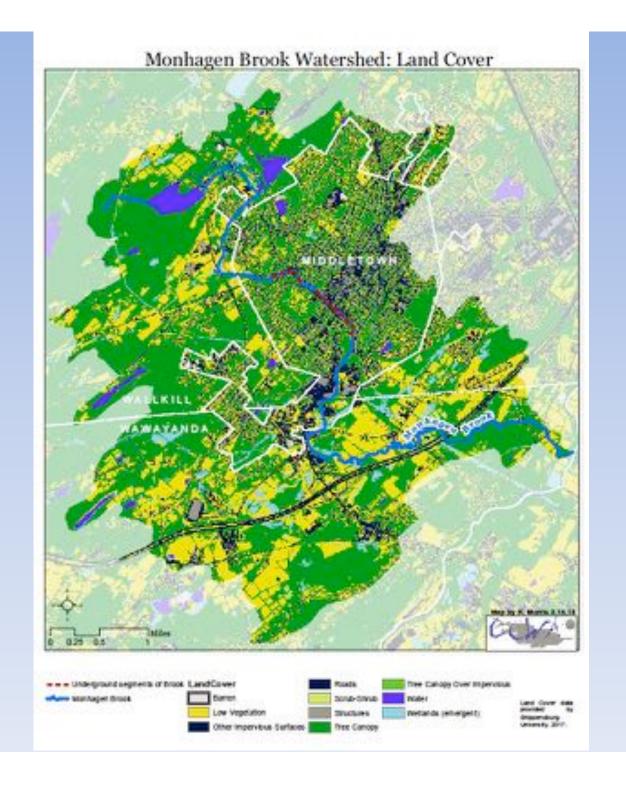
Municipal Policy Review

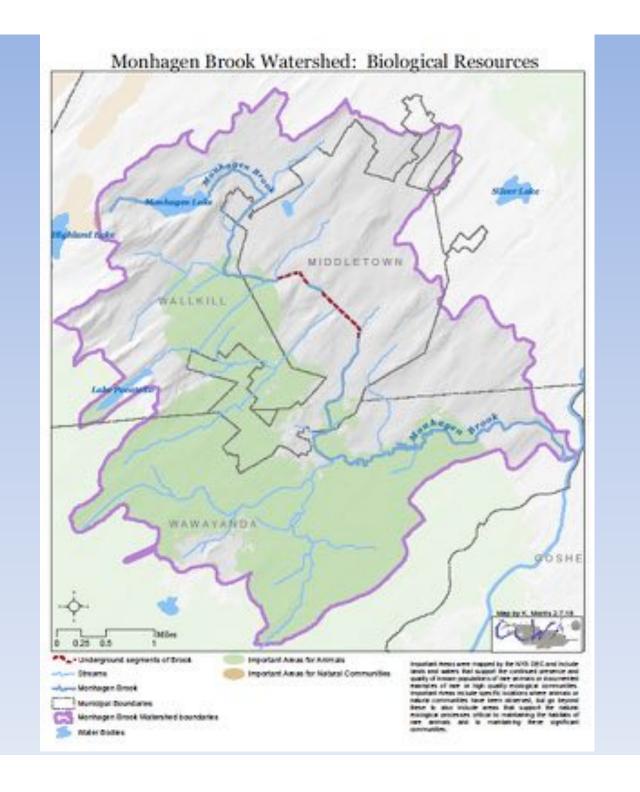
- Parking requirements
- Street width
- Cul-de-sac radius
- Sidewalks
- Maximum lot coverage
- Stormwater management
- Protection of steep slopes, vernal pools, wetland buffers, stream buffers

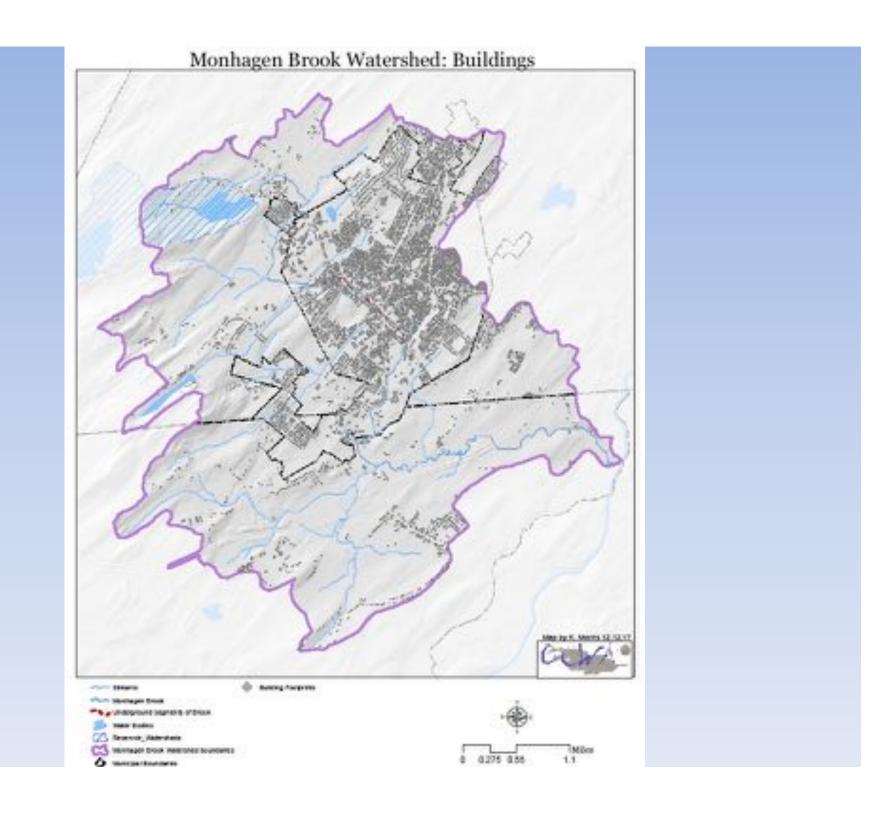
Collecting New Information

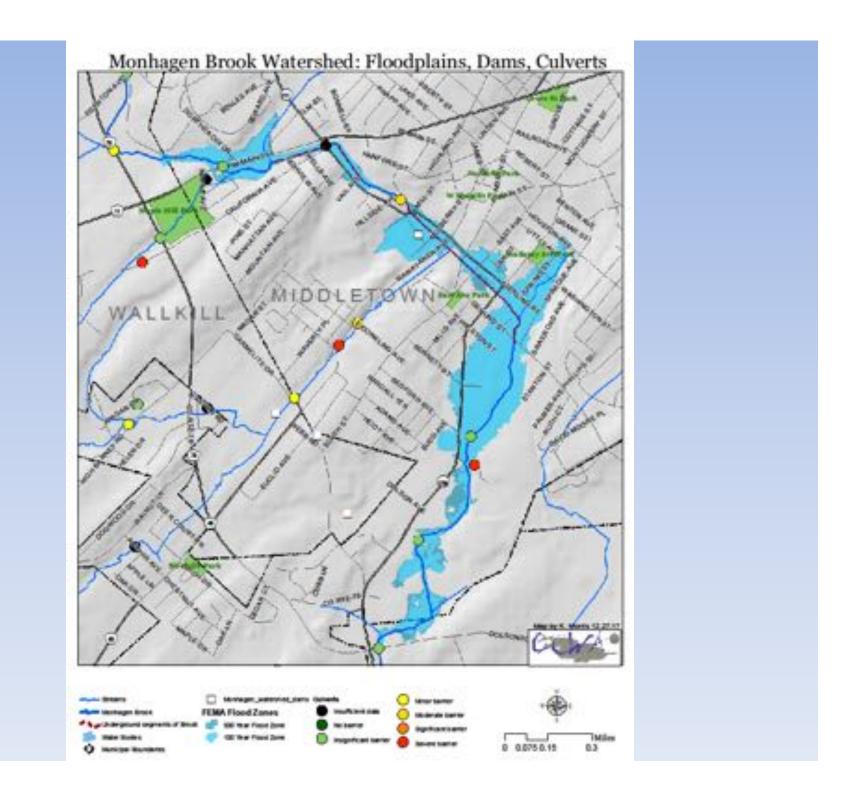
- Stream water quality data
- Identify threats to water quality
- Dams and culverts
- Locate sites for:
 - Public access, particularly informally used
 - Stormwater retrofitting
 - Riparian restoration
 - Streambank stabilization











A 9-Element Plan in the Monhagen Brook Watershed

Lessons Learned: DO THIS!

- Forge important partnerships
 - Municipalities
 - Community groups
 - Landowners
- Demonstrate visible progress
- Provide education
- Get people outside
- Get a wide range of people involved
- Make involvement enjoyable and rewarding!

Lessons Learned: DON'T!

- Alienate stakeholders
- Intentionally humiliate a community
- Waste people's time

Tools for Implementation

- Volunteers
- Grants
- Municipal partnerships
- Schools

Overall...

- Smaller is more manageable larger is still useful but more difficult to implement
- Find knowledgeable people who have time and delegate useful, meaningful work
- Identify agency employees who can dedicate time to the cause
- Be a do-er yourself and lead the effort!







