

Stakeholder Involvement, Lake Hopatcong New Jersey

Presented by Kimberly Cenno Prepared by Pat Rector New Jersey Department of Environmental Protection Division of Watershed Management

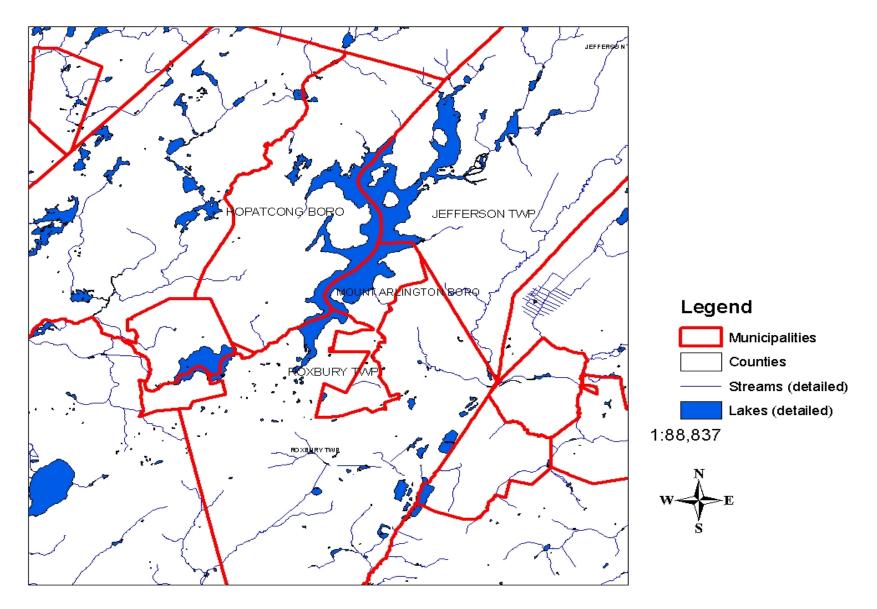
May 28, 2009

LAKE HOPATCONG NJ's Largest Freshwater Lake

- Located in Northern New Jersey
 - ▶ 2,686 acres
 - ~40 miles of shoreline
 - ➢ 9.5 miles long
- Relatively complex shape
 - Central basin's average depth is
 - Max depth is 58 Ft
 - Many coves, bays, and canals
 - long hydraulic residence time of 1.7 years
- 4 Municipalities Borough of Mount Arlington, Borough of Hopatcong, Roxbury Township, and Jefferson Township



Lake Hopatcong Municipalities



LAKE HOPATCONG – 1800'S

Tourist Destination

Boating and Recreation





MAJOR USES

- Boating
- Fishing
- Swimming
- Sight seeing
- Water Supp



State Park - 107 acres – 500,000 annual visitors Intense recreational use



Like many lakes in the nation, shoreline is no longer predominately seasonal bungalows.

USE IMPAIRMENTS Woodport Area



LAKE HOPATCONG COMMISSION

- Predecessor Regional Planning Board
- Created by Legislature 2000
- First Lake Hopatcong Meeting May 2001
- Mandate: "To oversee and safeguard Lake Hopatcong as a natural, scenic and recreational resource."
- 11 Members 5 State/6 Local
 - State Chair, DEP & DCA Commissioners and 2 Public Members
 - Local 1 from each county (2) and municipality (4)

Stakeholder Involvement

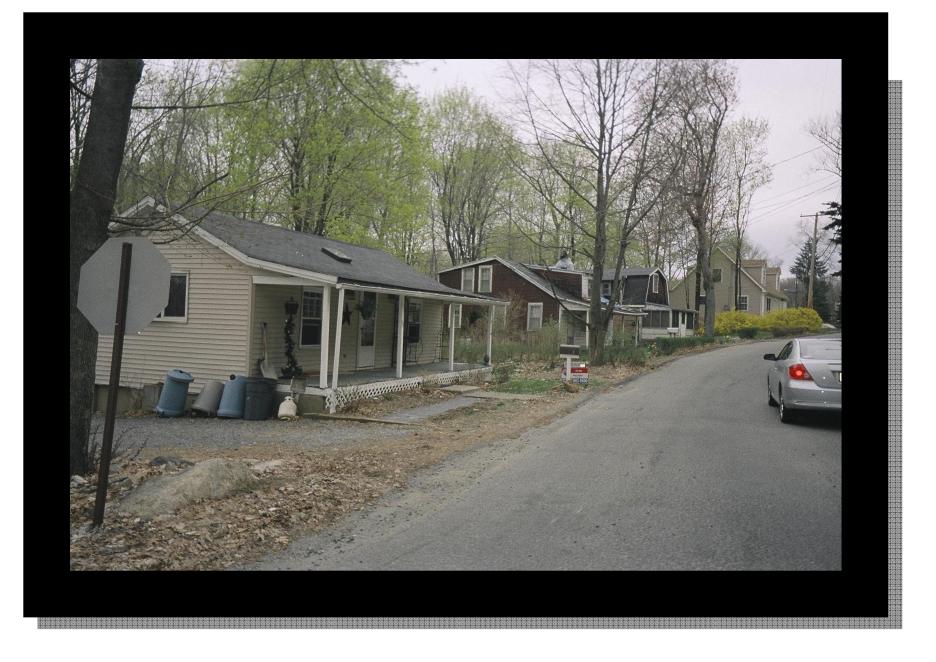
- NJDEP prepared a Phosphorus Lake TMDL in 2003 – limited stakeholder involvement
- NJDEP funded Lake Characterization and Restoration Plan was vetted w/stakeholders
- Led to refined TMDL loads by municipality which provided the tool for municipalities to become fully engaged in implementing the TMDL

Refined TMDL Loads by Municipality

Table 4 - Municipal-based Phosphorus Loads for Lake Hopatcong

Municipality	kg per yr	Percent Contribution	Required Reductions (kg / yr)
Jefferson Township	4,201	57.6	1,899
Borough of Mt. Arlington	322	4.4	145
Roxbury Township	235	3.2	106
Borough of Hopatcong	2,538	35	1,147
Total	7,296	100	3,297

Jefferson Twp – not sewered



Implementation – Who? How?

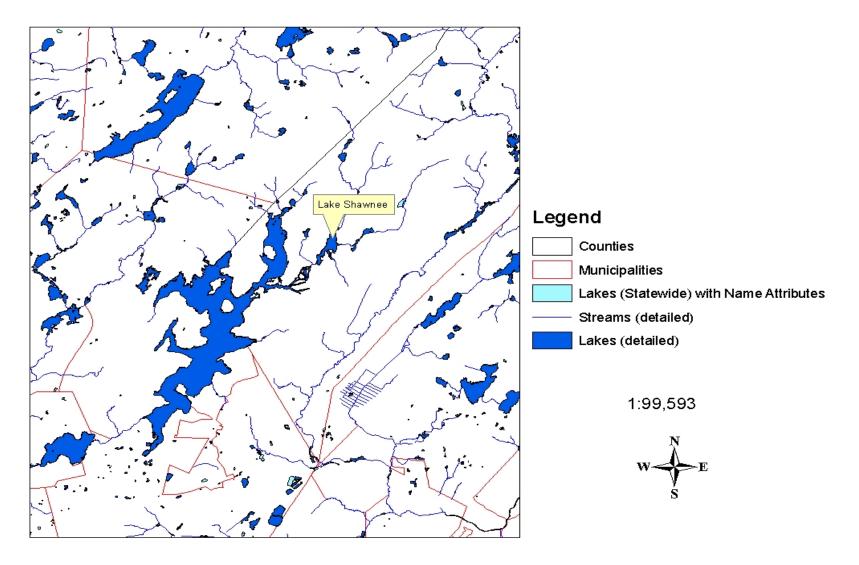
Who? Partners

- Lake Hopatcong Commission
- Division of Watershed Management
- Municipalities
- Counties
- Fish and Wildlife
- Parks and Forestry
- Land Use Regulation Program
- Pesticide Control
- Division of Water Quality
- Compliance and Enforcement
- Knee Deep Club/Stakeholders
- USEPA

How? Potential Funding

- State Appropriations
- Federal Grants (i.e. Targeted Watershed)
- 319(h) Non-Point Source
- 604(b) Water Quality
 Planning
- Infrastructure Trust Financing
- Municipal and County Appropriations
- Other Grants/Special Appropriations
- Public/Private Partnerships
- User Fees/Dedicated
 Funding/Taxes

LAKE SHAWNEE Jefferson Twp 540 homes part of Highlands Preservation Area e.g. can't sewer Became NJ's 1st Volunteer Monitoring Lake Group



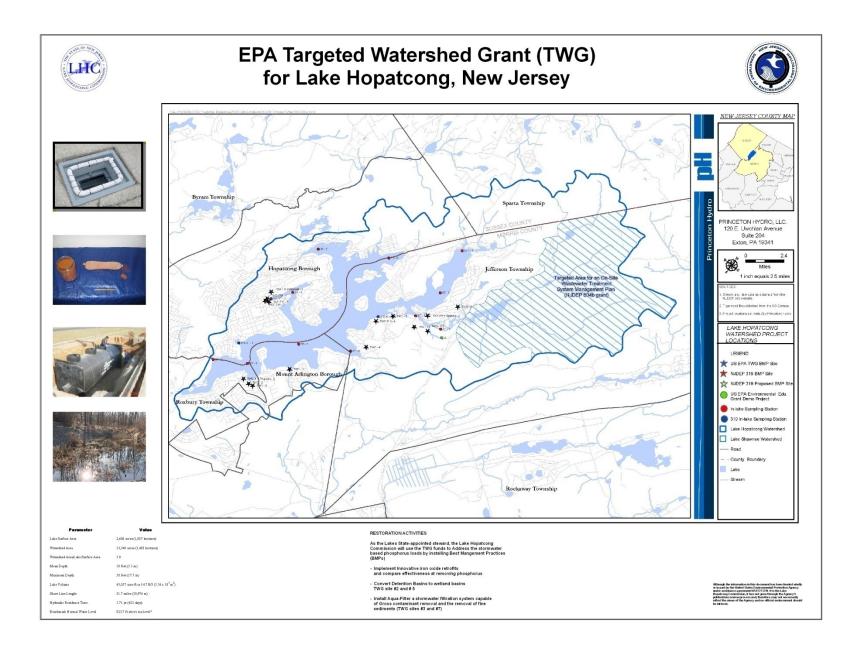
LAKE SHAWNEE – Jefferson Twp

2005 Section 604(b) Water Quality Management Planning Grant Funds – passed 3 yr pumpout/inspection ordinance Database to help Health Dept keep track of compliance GIS mapping of env constraints to prioritize upgrades Leach field monitoring



STORMWATER MANAGEMENT 319(h) grant-4 BMP implementation projects; E&O; signage





P-Free Fertilizer ordinance passed by all 4 municipalities



SHARED SERVICES- Catch Basin Clean Out



OUTFALL INVENTORY AND CATCH BASIN SURVEY





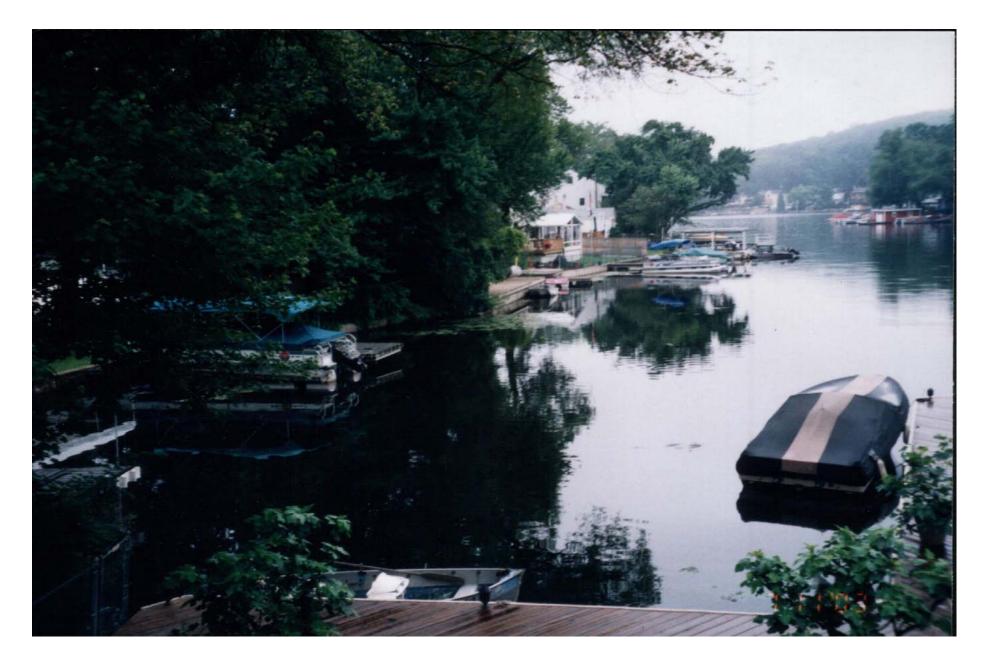
WEED HARVESTING – 2003 appox 3,317 cu yds vegetation harvested



BEFORE



AFTER





TMDL COORDINATION MEETINGS

IMPLEMENTING A TMDL AS A WATERSHED EFFORT IS NOT:

- FAST
- EASY
- WITHOUT PROBLEMS
- WITHOUT FRUSTRATION AND AGGRAVATION
- ONE STRAIGHT SHOT
- A SOLO ENDEAVOR
- CHEAP
- A 30-SECOND SOUND BITE
- STATIC

IMPLEMENTING A TMDL AS A WATERSHED EFFORT IS:

- REWARDING
- ENGAGING
- ENRICHING
- CUMULATIVE
- AN EXPERIENCE OF THE WHOLE IS GREATER THAN THE SUM OF THE PARTS
- HUMBLING
- AN AMAZING LEARNING JOURNEY
- THE ONLY GAME IN TOWN

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