

STORMWATER MANAGEMENT
A Watershed Approach
for Municipalities

Anne Jaffe Holmes
Greenburgh Nature Center

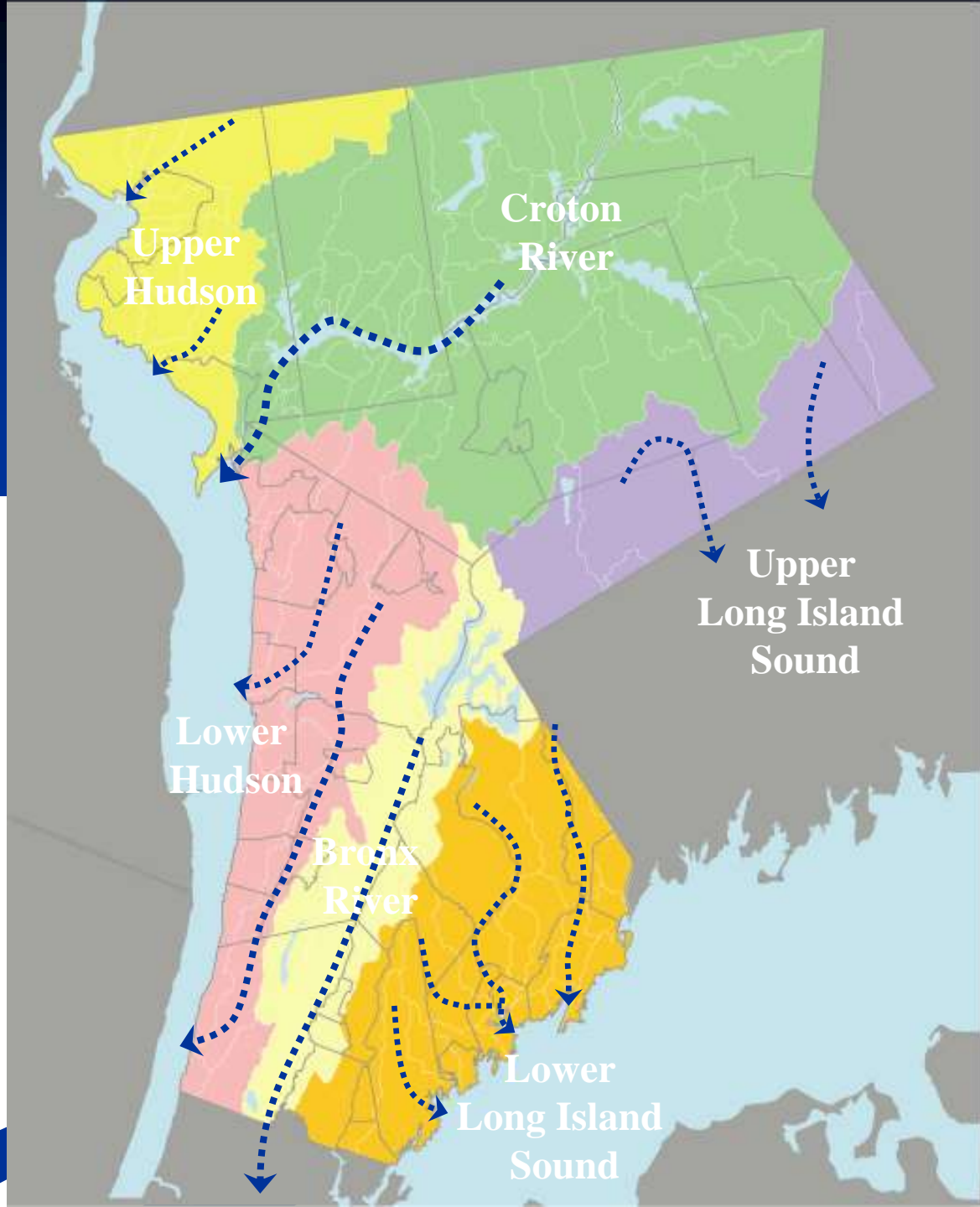
Sustainability Forum, June 15, 2009



Westchester's Watersheds

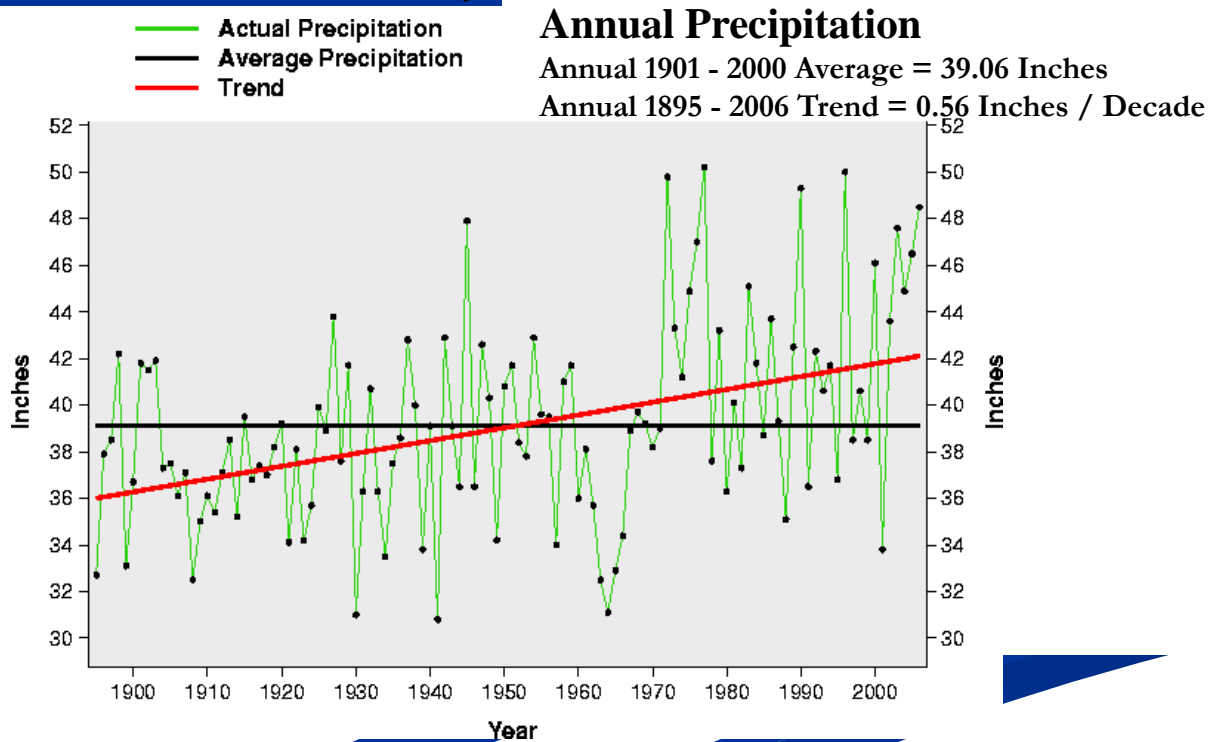
NAME	SQ. MILES
Croton River	183
Lower Hudson	67
Lower LI Sound	65
Bronx River	48
Upper LI Sound	45
Upper Hudson	43

One square mile (almost 29 million square feet) equates to over 17.3 million gallons of water for every inch of rain. A one-inch storm will result in over 695 million gallons of water in a 40-square mile watershed. Almost 8.5 billion gallons of rain fell in the Lower Long Island Sound watershed in April of 2007 (7.5-inch storm).



Weather Trends

We are not only experiencing storms with greater overall intensity (large amounts of rain in shorter periods of time) but more of them (a greater number of intense storms each year).



STORMWATER ROUNDTABLE:



A WATERSHED APPROACH FOR GREENBURGH & ITS VILLAGES MAY 9, 2009 IRVINGTON LIBRARY 12 South Astor Street

8:30 a.m. - Registration & Continental Breakfast

9:00 a.m. – 12:00 p.m. – Conference

- **KEYNOTE:** Peter Eschweiler, Chair
Westchester County Flood Action Task Force
- Municipal Panel Presentations
- Break-Out Sessions
- Networking



PURPOSE: To discuss how our villages and unincorporated Greenburgh can cooperate in reducing flood risks and protecting water quality through a “watershed” approach to stormwater management and land use planning.

WHO WILL ATTEND: Planning Boards, Zoning Boards, CACS, ECBs, Village Administrators, Municipal Engineers, Mayors and Elected Officials.

Sponsored by: Groundwork Hudson Valley/Sawmill River Coalition, Greenburgh Nature Center, Greenburgh Environmental Forum, Federated Conservationists of Westchester County.

Funding provided by: NYC DEC/Hudson River Estuary Program and Westchester Community Foundation.



NEXT STEPS:

- **Shared services** – Stormwater engineer to assist municipalities in meeting MS4 regulations, evaluating development proposals, inspecting sites, enforcing stormwater codes.
- Intermunicipal roundtables for **code review, revision, and alignment**
- Development of **demonstration sites** for better site design concepts & elements
- Identification and pursuit of **joint application grant opportunities**