



TOWN OF NEW HARTFORD STORMWATER MANAGEMENT PLANNING

TOWN BOARD MEETING

FEBRUARY 7, 2018

CHRIS LAWTON, PE - BARTON & LOGUIDICE, DPC

RECENT STORM HISTORY IS NOT SO NICE

- DAMAGING STORMS HAVE OCCURRED 4 OF THE LAST 7 YEARS:
 - 2011 - HURRICANE IRENE AND HURRICANE LEE
 - 2013 - JUNE STORMS
 - 2015
 - 2017 - FATHER'S DAY STORMS



CURRENT STORMWATER MANAGEMENT

- PERFORMED BY THE TOWN HIGHWAY DEPARTMENT
- O&M AND CAPITAL PROJECTS ARE FINANCED THROUGH THE WHOLE TOWN
- PRIMARILY ONLY SMALL CAPITAL PROJECTS ARE COMPLETED (NO CAPITAL RESERVE FUND)
- SERVICES INCLUDE:
 - MAINTAINS 17+ DETENTION BASINS (MANY ON PRIVATE PROPERTY W/OUT EASEMENTS)
 - MAINTAINS COLLECTION PIPES, SWALES AND STRUCTURES (MOSTLY REACTIVE AS NOTIFIED)
 - RECEIVES & RESPONDS TO DRAINAGE COMPLAINTS
 - EMERGENCY RESPONSE TO FLOODING
 - GRANT APPLICATIONS FOR MAJOR CAPITAL IMPROVEMENTS (NO FUNDS TO MATCH GRANTS)

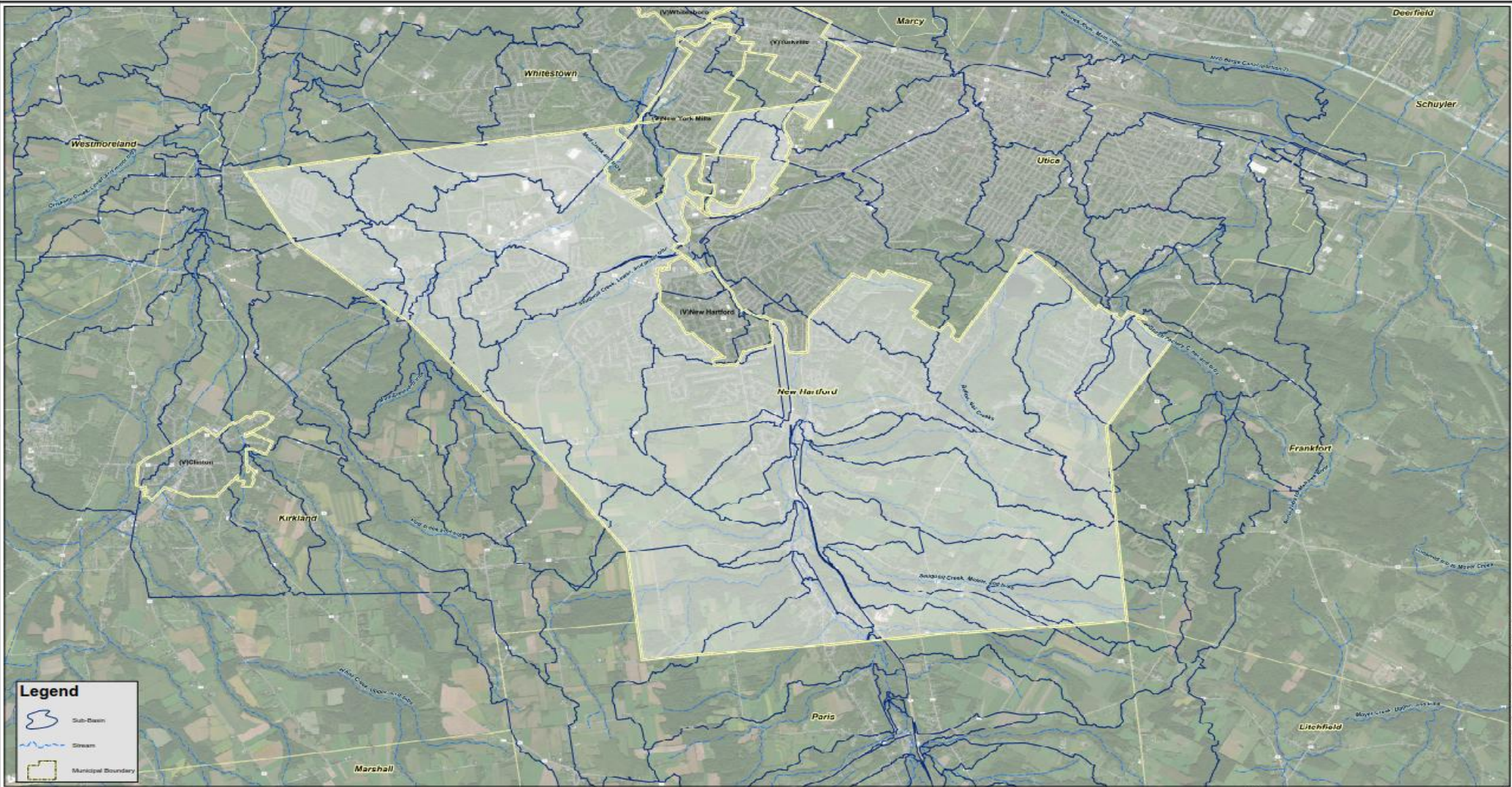
MOVING FROM REACTIVE TO PROACTIVE

- SECTION 190, ARTICLE 12 – DISTRICT AND SPECIAL IMPROVEMENTS OF TOWN LAW
 - UTILIZE DRAINAGE DISTRICT(S)
 - DEFINE A GEOGRAPHICAL AREA OR “DISTRICT” WITHIN THE TOWN
 - SERVE AS A FUNDING VEHICLE FOR O&M OF EXISTING/NEW DRAINAGE INFRASTRUCTURE THAT BENEFIT THE INHABITANTS OF THE DISTRICT
 - REAL PROPERTY WITHIN THE DISTRICT IS SUBJECT TO A “SPECIAL” LEVY OR ASSESSMENT TO FINANCE THE “SPECIAL” IMPROVEMENT(S) AND REQUIRED O&M SERVICES
 - MAP, PLAN & REPORT – DEFINES BOUNDARY, INFRASTRUCTURE AND FINANCES
 - DISTRICT FORMATION – BY PETITION (ARTICLE 12) OR TOWN BOARD RESOLUTION (ARTICLE 12A)



SPECIAL DISTRICT DEFINITION

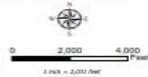
"A TOWN OR COUNTY IMPROVEMENT DISTRICT, DISTRICT CORPORATION OR OTHER DISTRICT ESTABLISHED FOR THE PURPOSE OF CARRYING ON, PERFORMING OR FINANCING ONE OR MORE IMPROVEMENTS OR SERVICES INTENDED TO BENEFIT THE HEALTH, WELFARE, SAFETY OR CONVENIENCE OF THE INHABITANTS OF SUCH DISTRICT, AND IN WHICH REAL PROPERTY IS SUBJECT TO SPECIAL AD VALOREM LEVIES OR SPECIAL ASSESSMENTS FOR THE PURPOSE FOR WHICH SUCH DISTRICT WAS ESTABLISHED."



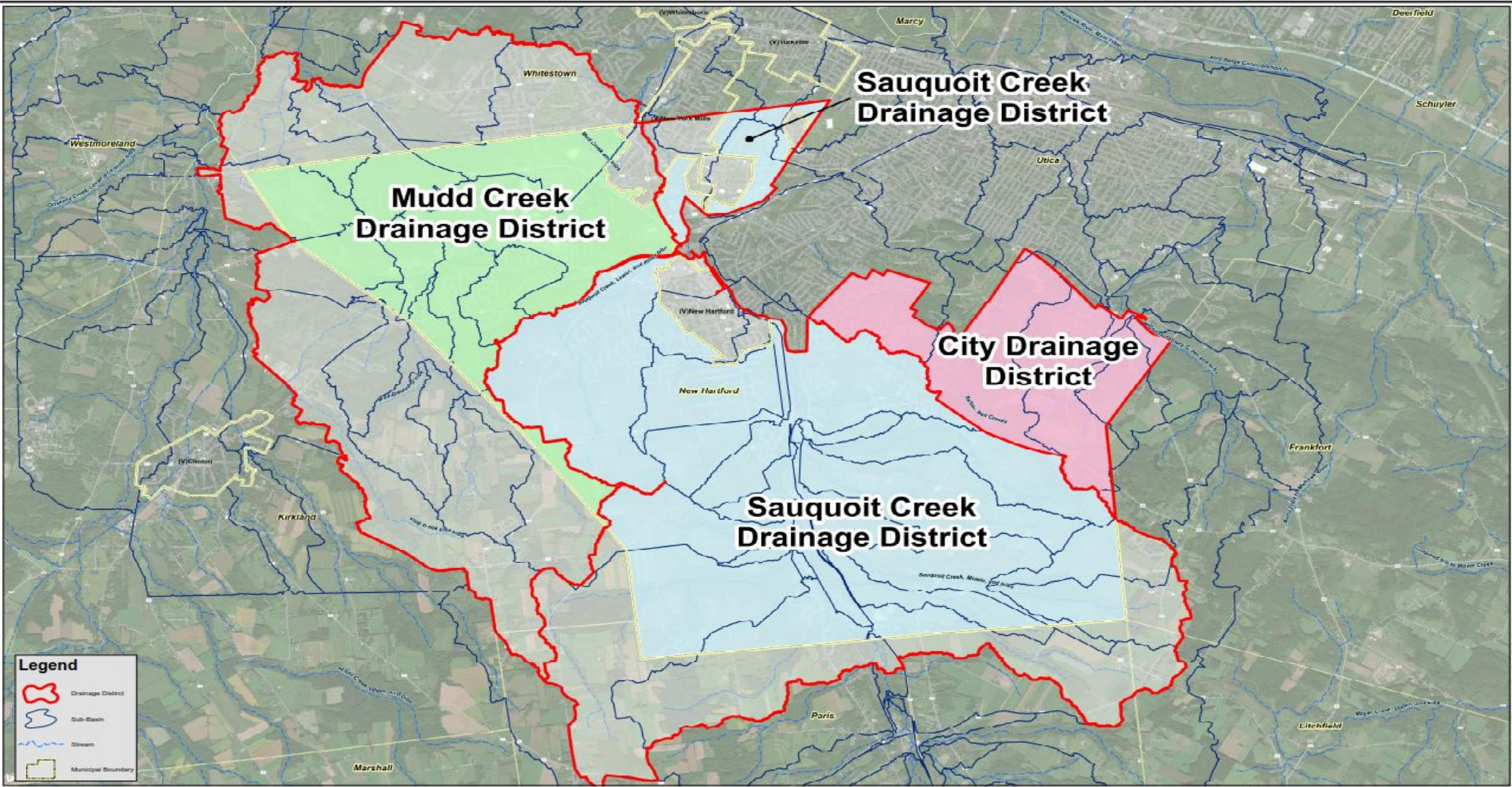
Legend

- Sub-Basin
- Stream
- Municipal Boundary

Barton
Loguidice, D.P.C.
Engineers • Environmental Scientists • Planners • Landscape Architects



Town of New Hartford
Sub-Basins
Oneida County February 2018 Oneida County



LONG TERM BENEFITS AND GOALS

1. KNOWLEDGE CAPTURE/SUCCESSION PLANNING
2. TAX/RATE STABILIZATION
3. CAPITAL PLANNING
4. EMERGENCY PLANNING AND RESPONSE
5. LEVERAGE GRANT FUNDING
6. ASSET MANAGEMENT PLANNING

5 Questions for Asset Management

1. What is the current state of my assets?
2. What is my required “sustainable” level of service?
3. Which assets are critical to sustained performance?
4. What are my minimum life cycle costs?
5. What is my best long-term funding strategy?