

**I. SOUTHERN TIER WEST REGIONAL PLANNING AND DEVELOPMENT BOARD
(STW RPDB)**

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Agency Name:

Southern Tier West Regional Planning and Development Board
4039 Route 219, Suite 200, Salamanca, N.Y. 14779
(716) 945-5301

Title of Project:

Stormwater Management Guidance Program

Time Period of Project:

2006–2007

Project Location:

Allegany, Cattaraugus and Chautauqua Counties

Project Contact:

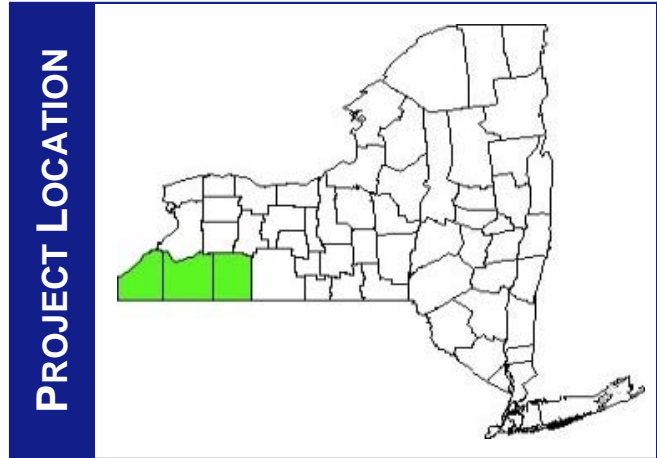
Daniel Reynolds – Regional Environmental Analyst

Project Description(s):

Cooperating Agencies: NYS DEC, Allegany, Cattaraugus and Chautauqua Counties’ SWCDs and WQCCs

Purpose/Objective: To assist municipalities that are not regulated under the MS4 permit in developing stormwater management plans. Officials will learn first hand how to implement and maintain erosion control measures that will minimize impacts from and improve the quality of stormwater runoff. Training will help local highway officials, public works officials, and code enforcement officers in identifying issues caused by stormwater, and how to implement measures to control damages that are caused by stormwater. The six municipalities that bought into the program will receive direct assistance in developing stormwater management plans. These plans will be similar to the municipalities that are regulated by the DEC’s MS4 permit.

Methods Employed: Brochures mailed to local highway superintendents, public works officials, and code enforcement officers. Outreach will also be conducted by hosting informational forums in each of the counties in the Southern Tier West region.



Training will take two forms: concepts and application. Concepts for controlling stormwater will be taught to persons attending the educational forms. Applications of these concepts will be carried out in a series of demonstration projects that will be hosted in the summer months of 2007.

Southern Tier West will directly assist the six municipalities that bought into the program in developing a comprehensive stormwater management program. More general assistance will be provided to other municipalities that wish to develop plans.

Outputs: Increase in knowledge of erosion control product use and maintenance. Local laws controlling stormwater will be developed with the stormwater management plans.

Agency Name:

Southern Tier West Regional Planning and Development Board
4039 Route 219, Suite 200, Salamanca, N.Y.
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Title of Project:

Stormwater Phase II Training-Construction Permit

Time Period of Project:

2003–2005

Project Location:

Allegany, Cattaraugus and Chautauqua Counties

Project Contact:

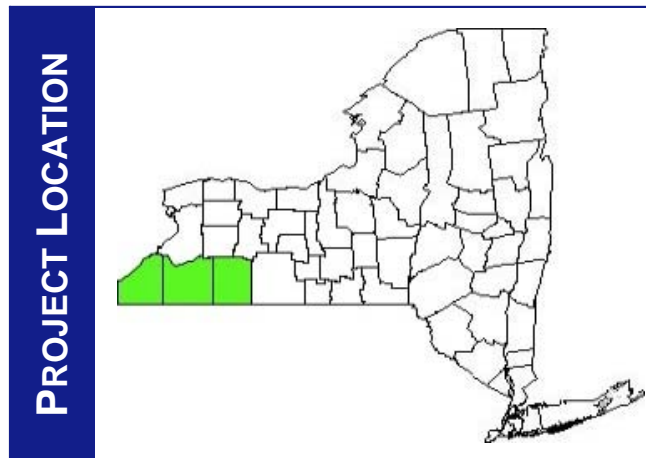
Daniel Reynolds – Regional Environmental Analyst

Project Description(s):

Cooperating Agencies: NYS DEC, Allegany, Cattaraugus and Chautauqua Counties’ SWCDs and WQCCs

Purpose/Objective: To provide public outreach to regional contractors, builders, developers and local government officials about the Stormwater Phase II regulations and requirements. Training will be used to educate private sector owners and employees, particularly smaller businesses that do not belong to builder associations, about the regulations to increase understanding of the requirements and compliance with the regulations. Local government training will be provided to encourage acknowledgement of the regulations as a component of the building permit and to enlist those officials to notify operators of construction sites of the need for compliance.

Methods Employed: Brochures mailed to businesses identified by County Health, NRCS, Soil & Water and WQCC committees. Brochures mailed to local government officials across the region. Private sector outreach will include training workshops to introduce and clarify the requirements to regional developers, builders and contractors. An additional component of the training will be an



environmental equipment conference that will provide on-site field demonstrations of equipment designed to improve erosion and sediment control and other stormwater issues on jobsites.

Public sector outreach will include the above components and also provide an overview of planning issues and the need for consistent application of the requirements to prevent stormwater problems in the community.

Outputs: Increased compliance from both the public and private sectors. “Check-off” item included as a component of building permit application. Local ordinances adopted to achieve consistent application of the Stormwater II regulations.

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Title of Project:

Regional Comprehensive Water Quality Management Planning Program -- 604(b)

Time Period of Project:

1999–2001

Project Location:

Allegany, Cattaraugus, and Chautauqua Counties

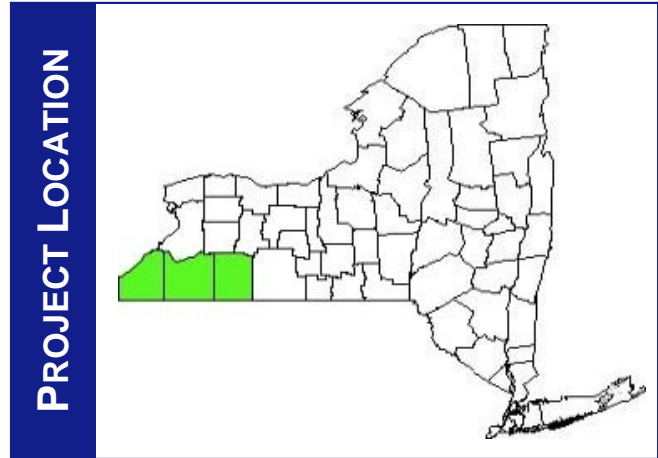
Project Contact:

Daniel Reynolds – Regional Environmental Analyst

Project Description(s):

1.0 Unified Watershed Assessment: The NYS DEC-Albany office has noted the need to work to develop a plan and implement the Unified Watershed Assessment Program across the state and has expressed interest in working with the Regional Planning Boards/Councils on this project. Southern Tier West Regional Planning and Development Board conducts the following items as part of this program in the STW region:

- Assisting DEC in defining the framework for the UWA process for this region as well as statewide.
- Developing Strategies for Prevention within the counties of Allegany, Cattaraugus and Chautauqua to keep the existing watersheds that are not on the PWL listing at their present water quality level or better.
- Implement the Strategies for Prevention that are developed through cooperative work with other agencies and municipalities.
- Developing Strategies for Restoration at the PWL level for streams within the three counties.
- Implement strategies for restoration through securing additional resources for the actual restoration activities.



2.0 Baseline Activities: Baseline activities can be generally grouped into two sub-categories (Water Resources Education, Outreach, and Technical Assistance and County Water Quality Coordinating Committee Participation). During the development of baseline programs specific to individual Regional Councils, these general sub-categories were agreed upon as relevant and important, and are expected to form the basis of Regional Council baseline programs.

2.1 Water Resources Planning, Technical Assistance, Outreach, and Education: The emphasis of this sub-category is aimed at enabling the Southern Tier West Regional Planning and Development Board to continue and increase the amount of planning, technical assistance, outreach, and education they conduct in a general capacity, in response to the needs of their constituencies, and to work with the NYS DEC-Region 9 Offices and county WQCC's to develop needed programs. STW RPDB works to provide water quality education/outreach and technical assistance regarding local water quality planning and issues. These activities may include the development of programs geared toward NPS pollution. The STW RPDB also works on projects that are as yet unforeseen but may come up over the course of the contract that either DEC-Albany, DEC-Region 9, and/or Southern Tier West Regional Planning and Development Board determine are necessary to pursue as part of this contract. The exact scope of these sub-project's terms are be worked out as the project's needs arise. Potential project areas that may be included in this scope include:

- Provide development practices outreach
- Provide Septic system care outreach
- Provide Household hazardous waste technical assistance and outreach;
- Provide assistance to Region 9 with additional salt storage analysis and data collection;
- Continue technical assistance to establish Municipal Wellhead protection programs;
- Develop regional database of water quality information;
- Continue Participation in the Source Water Assessment Program;
- Develop collaborative working arrangements locally and regionally on water quality projects;
- Develop projects and proposals to further water quality improvements or planning activities in the region,
- Provide technical assistance on GIS as developed in conjunction with Region 9
- Assist Region 9 with RIBS program
- Supplement planning-related elements of “Tier II” activities of WQCC’s so as to increase the scope of these activities, within single counties or across counties of a region where common programming is desired, by providing additional staff support to, or in conjunction with, members of the committee undertaking Tier II projects
- Participate in Stewardship activities,
- Develop and Secure a program for a STW Brownfield Inventory,
- Provide Stormwater management assistance to municipalities and businesses
- Provide other Non-Point Source Water Pollution related outreach.
- Other various informational/education activities

quality efforts will be cultivated. During the first two years this has been successful.

STW RPDB Program: The STW RPDB anticipates concentrating its baseline program with respect to WQCCs on activities such as:

- a) Regularly attend, participate in, and represent STW RP&DB at county water quality coordinating committee (WQCC) meetings.
- b) Coordinate quarterly meetings of key environmental participants (e.g., county planning and soil and water conservation district representatives), STW RPDB staff, the appropriate NYS Soil and Water Conservation Committee regional staff, and Natural Resources Conservation Service regional staff. This group is known as the Southern Tier West Environment and Natural Resources Committee.

2.2 County Water Quality Coordinating Committee (WQCC) Participation: The emphasis of this sub-category is aimed at enabling increased participation of Regional Councils on their respective county WQCC’s, and communication of WQCC’s within their regions. It is hoped that through this, support for multi-county, watershed-wide water

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Title of Project:

Water Resources Planning and Management

Time Period of Project:

1996–1998

Project Location:

Allegany, Cattaraugus and Chautauqua Counties

Project Contact:

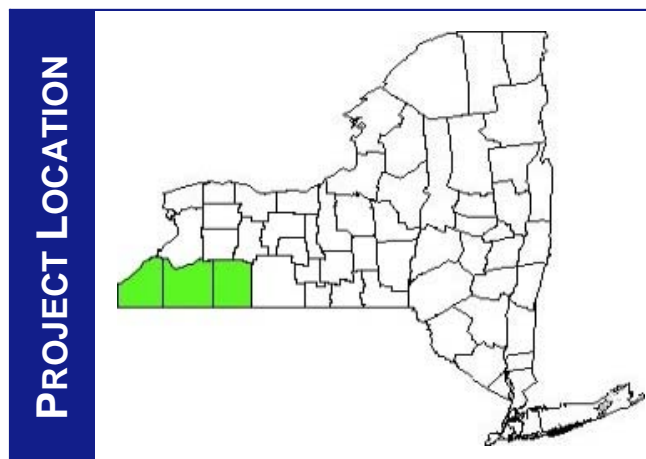
Daniel Reynolds – Regional Environmental Analyst

Project Description(s):

General Assistance: STW is providing water quality services to towns, villages, cities, counties and businesses within the three counties that require assistance in any one of various problem areas that they work in. Included in these problem areas are: Wellhead protection plans; Class V injection wells; environmental compliance issues; integration of multiple project goals that these communities require while focusing on the regional nature of STW; developing a regional household hazardous waste collection program in all three counties; developing a complete inventory of local water and wastewater infrastructure.

Education and Outreach: STW has been providing information sessions to local governments on the New York State Stormwater laws, developing local stormwater laws, implementing best management practices, enforcing local laws, and developing and implementing wellhead protection laws.

Salt Storage Inventory: STW has been involved in collecting information on the local state of road de-icing salt storage. This information has been gathered into a database that has also been mapped. This information was used to assist communities to develop grant applications for the



construction of improved structures. Through this program, over twenty-five municipalities have been assisted in improving their groundwater and surface water quality. This information will also be available for future endeavors in which the NYS DEC is interested.

Brownfield Redevelopment: STW has been involved in the Brownfield Redevelopment movement by working to determine where existing contaminated industrial sites are within the region. We have made the initial survey of interested parties that may participate in future work in this arena. We have also developed applications to the U.S. EPA for additional assessment work on these sites. These sites pose a significant potential contamination threat to the local groundwater resources and it is important to the STW Board to assist in cleaning up these sites.

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Title of Project:

Source Water Protection: Village of Belmont Aquifer Delineation and Wellhead Protection Program

Time Period of Project:

1996–1997

Project Location:

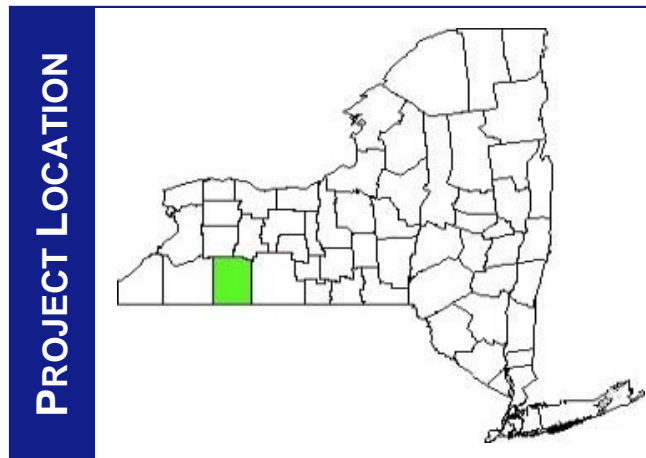
Village of Belmont - Allegany County

Project Contact:

Daniel Reynolds – Regional Environmental Analyst

Project Description(s):

The Village of Belmont in Allegany County is the County seat. The two wells that provide the water for the Village and the County Offices, Court House and Jail are known to be in danger of pollution. These wells supply water for over 360 County employees and over 3,000 daily users in the Village of Belmont. The wells are in a shallow intrusion bed under intensively worked agriculture lands. The wells are known to have some potential problems due to the location of some structures and their proximity to the wells. Threats to this water system include: agricultural lands within 300 feet of the wells; a site within 1,300 feet where leaking fuel tanks were removed within the last five years; a new fuel storage facility at the same site; a cemetery within 2,000 feet; the Genesee River within 500 feet (the River has the Village wastewater treatment plant discharge approximately 1,300 feet upstream from the wells and the Sinclair Refinery Superfund Site is ten miles upstream); a fertilizer storage facility up-gradient; the road to the County Landfill immediately up-gradient, which poses a hazard if there should be a spill of a waste transporter en route to the landfill. The Village is considering various options including land acquisition, alternative



sources, and other regulatory and non-regulatory tools to reduce contamination threats. Specifically, STW provides: contract and fund administration and coordination, quarterly progress reports to U.S. EPA, technical assistance in project development, monitoring and oversight of the project, and collection/production of all products. STW: organizes and coordinates the development of the project; compiled the existing data and information that is presently available regarding the wells and the aquifer that feeds them; compiled a potential contamination source listing for the wells; performed a visual reconnaissance of the area that may feed the shallow intrusion bed; will identify the aquifer sources that feed the shallow intrusion bed; will do geophysical investigation of the groundwater flow and an identification of potential points of impact on the aquifer; and a preliminary investigation of alternative sources of water for the Village and county may be performed. This water system is in need of alternative sources as well as a protection program for the existing wells.

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Title of Project:

Nonpoint Source Implementation Projects for the Southern Tier West Region: (1) Chautauqua Lake Watershed Questionnaire, and (2) Assistance to Municipalities with Erosion and Sediment Control/Stormwater Management Planning

Time Period of Project:

1994–1996

Project Location:

(1) Chautauqua Lake Watershed, and (2) Allegany, Cattaraugus and Chautauqua Counties

Project Contact:

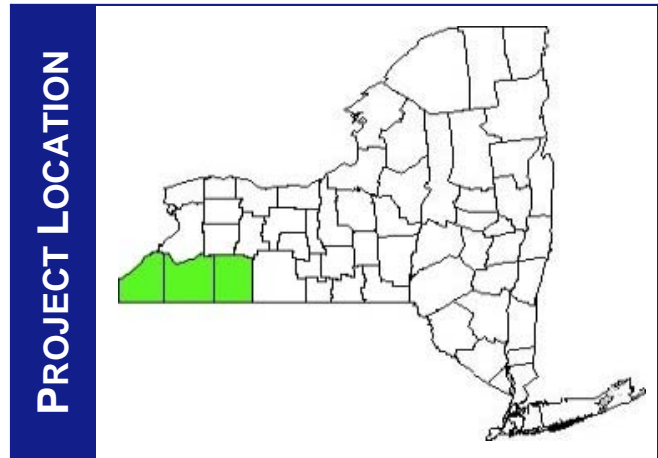
Daniel Reynolds – Regional Environmental Analyst

Project Description(s):

Cooperating Agencies: (1) Chautauqua County Planning Department; and (2) Allegany, Cattaraugus, and Chautauqua County Planning Departments, SWCDs, and Water Quality Coordinating Committees

Purpose/Objective: (1) To poll residents in the Chautauqua Lake watershed about their perceptions on land-use, recreation, and environmental issues related to the lake, and their feelings regarding possible management solutions to water quality problems. Project results will be used in developing a lake watershed management plan; and (2) to work directly with two or more municipalities per county to assist them in addressing their erosion and sediment/stormwater runoff concerns in their communities.

Methods Employed: (1) Development and use of questionnaire mailed to random sample of permanent and seasonal lake watershed residents with the results compiled and tabulated for future use; (2) using technical assistance teams comprised in



each county of Southern Tier West , County Planning, and County SWCD, provide general educational outreach to local officials on erosion and sediment control and stormwater management; select and work with municipalities to review existing zoning laws, evaluate local situations/needs, develop recommendations, and provide education and assistance to help them institute erosion control measures such as zoning.

Outputs: (1) Tabulated poll results and final report documenting project; and (2) compilation of recommendations and documentation of project results.

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Title of Project:

Source Water Protection: Development of Management Programs of Groundwater Protection for Three Areas/Municipalities in the Southern Tier West Region

Time Period of Project:

1991–1994

Project Location:

Town and Village of Ellicottville - Cattaraugus County; Town and Village of Alfred - Allegany County; and Lower Cassadaga Valley/Jamestown Aquifer - Chautauqua County

Project Contact:

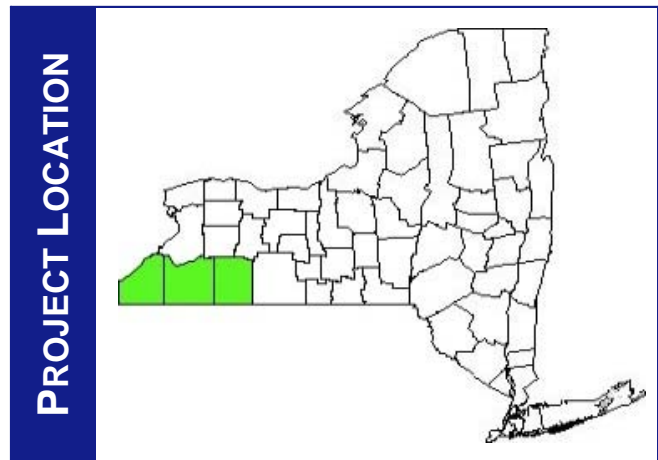
Daniel Reynolds – Regional Environmental Analyst

Project Description(s):

Cooperating Agencies: Allegany, Cattaraugus and Chautauqua County Health Departments

Purpose/Objective: To develop informational materials and recommendations for wellhead protection in the three study areas and provide community-specific and county-wide educational outreach to facilitate implementation of recommendations.

Methods Employed: (1) Creation of local task forces for each study area; (2) education of local task forces to foster implementation of groundwater protection measures; (3) county-wide education outreach to municipal officials; (4) development of recommended action plans through research of existing legislation and local groundwater protection tools in conjunction with input from county health departments and local task forces (comprised of local officials and decision makers), and through use of information



mapped during the Southern Tier West Local Groundwater Wellhead Project.

Outputs: Guidebooks for each participating study area detailing recommended groundwater protection strategies, including general information on groundwater, existing laws, local protection tools, general and specific contamination threats, previous 205(j) study information, and relevant strategies for each study area. Town of Gerry - Chautauqua County - adopted a Groundwater Protection Overlay District.

Agency Name:

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4039 Route 219, Suite 200, Salamanca, N.Y. 14779
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Title of Project:

Source Water Protection: Local Groundwater and Wellhead Protection Study

Time Period of Project:

1988–1991

Project Location:

Allegany County: Villages of Alfred, Andover, Fillmore and Angelica; Cattaraugus County: Villages of Ellicottville, East Randolph, Franklinville, Little Valley, Randolph, Town of Ellicottville and City of Salamanca, including Seneca Nation of Indians Jimmersontown; Chautauqua County: Villages of Cassadaga, Cherry Creek, Clymer, Lakewood, Mayville, Sherman, Sinclairville, Forestville, City of Jamestown and Carroll/Frewsburg Water District

Project Contact:

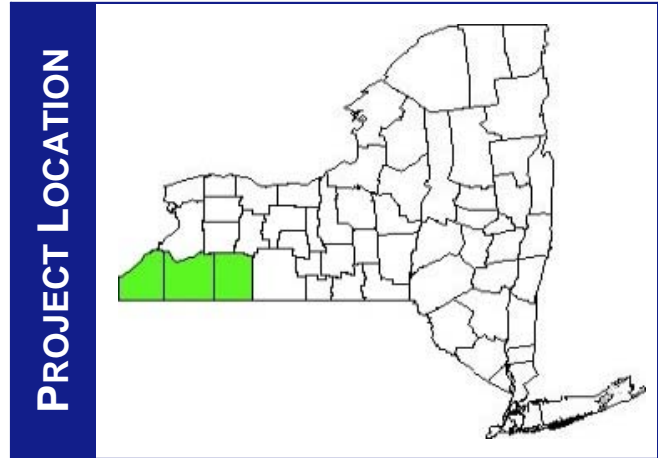
Daniel Reynolds – Regional Environmental Analyst

Project Description(s):

Cooperating Agencies: Allegany, Cattaraugus and Chautauqua County Health Departments and SUNY Fredonia

Purpose/Objective: To gather, consolidate, and map hydrogeologic information for delineation of recharge areas, and to collect information on, organize, and map potential sources of contamination and existing land-uses for selected aquifers in the region within one-mile radius areas of municipal wells.

Methods Employed: Within a one-mile radius of public supply wells, research existing hydrogeologic and soils information, inventory existing land uses, categorize identified land-uses by SIC code for groundwater contamination potential. Map information using GIS.



Outputs: USGS/NYS DOT standard 7.5 minute scale topographic map overlays for each study area providing information on potential recharge areas, potential contamination sources, and existing land-uses within one 1-mile radius of selected municipal wellheads.