

**B. CENTRAL NEW YORK REGIONAL PLANNING AND DEVELOPMENT BOARD
(CNY RPDB)**

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Agency Name:

Central New York Regional Planning and Development Board
126 N. Salina St., Suite 200, Syracuse, N.Y. 13202
(315) 422-8276

Title of Project:

Education/Information/Outreach/Technical Assistance

Time Period of Project:

Ongoing

Project Location:

Cayuga, Cortland, Madison, Onondaga and Oswego Counties

Project Contact:

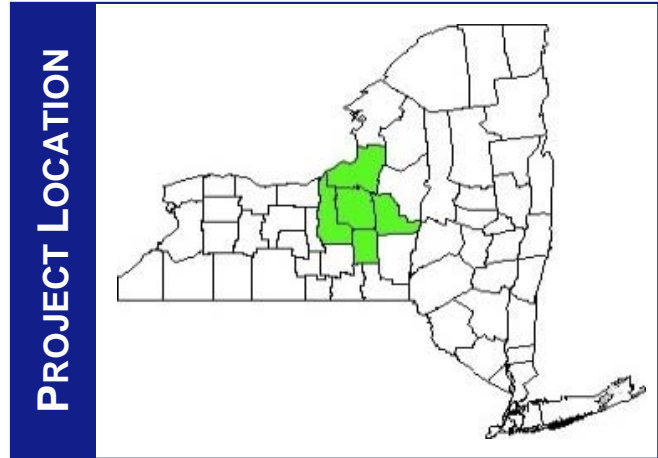
Kathleen Bertuch - Program Manager

Project Description(s):

Projects involve needs identification and delivery of water resources education / information / outreach in the region, and provision of technical assistance to the region and DEC in the development and execution of water resources planning programs including:

Stormwater Permit and Management Assistance:

1) Provision of information/education/outreach about stormwater management and its connection to floodplain management; and support of statewide initiatives such as those of the NYS Floodplain and Stormwater Managers Association. 2) Support for building and maintaining continued partnerships between state, regional, county and local entities to facilitate coordinated assistance for SPDES Phase II Permits and associated programs. 3) SPDES Phase II MS4 Permit assistance to DEC and MS4s in the Syracuse Urban Area through: a) outreach to help MS4s understand compliance requirements and resources available to them; b) support to MS4s with permit compliance through development of regional programs, conduct of regional assessments, and fostering of intermunicipal cooperation; c) program evaluation assistance to help DEC evaluate development and implementation of stormwater management pro-



grams; and d) administrative support to DEC to ensure receipt and adequacy of required reporting documents and programs. 4) SPDES Phase II Construction Permit assistance to DEC and those affected by the Construction Permit in the region through: a) outreach to help construction entities understand compliance requirements and resources available to them; and b) support of training programs to facilitate compliance.

Water Chestnut Control Assistance: Assistance provided to counties in region affected by water chestnut infestations through: 1) preparation of report summarizing infested areas, control actions in place, and other control actions needed; 2) coordinating development of the first permit application submitted in the region to the NYS DEC for use of a herbicide to help control water chestnut.

Workshop on Collecting Water Quality Information and Data: Worked with the NYS S&WCC to develop and hold a statewide workshop for county WQCCs on ways to gather water quality data and information.

1996 Clean Water/Clean Air Bond Act: Researched and provided information to the region, in preparation for public vote on Bond Act.

Agency Name:

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Development Board
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Title of Project:

Data Collection and Analysis

Time Period of Project:

Ongoing

Project Location:

Cayuga, Cortland, Madison, Onondaga and
Oswego Counties

Project Contact:

Kathleen Bertuch - Program Manager

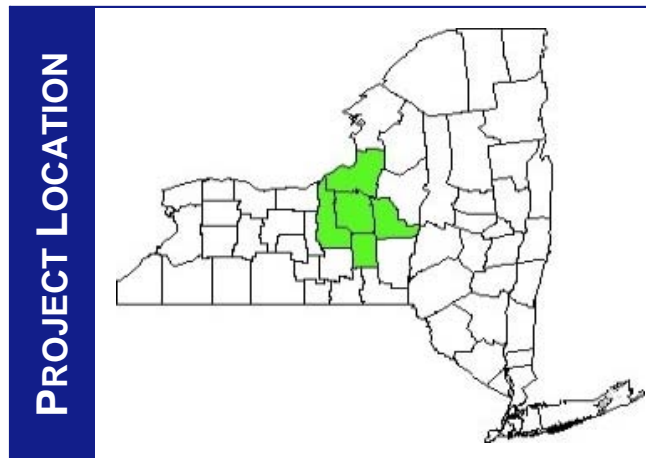
Project Description(s):

Geographic Information Systems: CNY RPDB has developed an extensive regional Geographic Information System that includes a variety of data sets to assist in water resource planning and management. These include: watersheds, wetlands, soils, slopes, elevations, hydrography, municipal boundaries, roads, public infrastructure, elevations, land use/land cover, ortho photography, satellite imagery and U.S. Census demographic data.

CNY RPDB has utilized the GIS to support a number of water quality and related land use projects including developing various planning maps for the Oneida Lake Watershed, conducting a natural resource inventory for all cities, towns and villages in Cortland County and for conducting a land use suitability analysis for select municipalities in Cayuga County.

Remote Sensing: CNY RPDB has successfully incorporated the use of high-resolution aerial imagery into many water quality projects including development of a three-county regional base map for identifying Stormwater outfalls.

Salt Storage and Road Deicing Inventory: CNY RPDB completed a salt storage and road-deicing inventory in the Oneida Lake Watershed. This in-



cluded the development of a survey document and database for analyzing survey responses.

Agency Name:

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Title of Project:

Regional Cooperation and Collaboration

Time Period of Project:

Ongoing

Project Location:

Cayuga, Cortland, Madison, Onondaga, and Oswego Counties

Project Contact:

Kathleen Bertuch - Program Manager

Project Description(s):

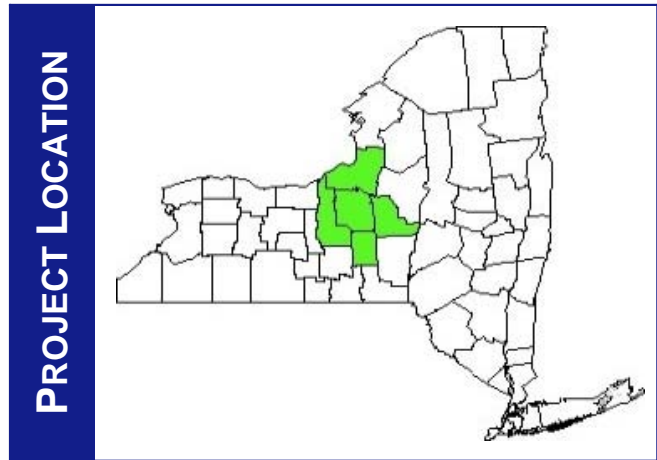
General Collaboration and Cooperation: Working in general to collaborate with and facilitate collaboration and cooperation among water quality partners in the region and state.

Water Quality Coordinating Committee (WQCC)

Participation: Regularly participating in meetings of county WQCCs in the region, providing assistance as requested by WQCC, serving as liaison between WQCC and DEC region, and fostering multi-county coordination. Support and assistance activities include local land use planning, watershed planning, funding identification/program development/grant writing, water chestnut control, editorial assistance, documentation of strategy accomplishments, map preparation, data and information sharing, stormwater management, coordination of monitoring, and input for County Water Quality Strategy updates.

Regional NPS Strategy Meetings:

Regularly convening county and regional water quality partners in Central New York to discuss County Water Quality strategies in a regional context, and discuss local and regional priorities. Meetings aim to foster a better understanding of activities and priorities and enact a process toward a unified regional strategy.



Local Prioritization of Monitoring Needs: Worked with WQCCs to get local input on monitoring needs associated with the State’s Priority Waterbody List segments. Effort also collected local input as to how counties would prioritize these needs.

Regional NPS Water Quality Activities Inventory:

Developed a database and GIS inventory of water quality activities in the region to strengthen development and coordination of future regional and local water resource efforts. Expected to be updated periodically.

Watershed Restoration and Protection Action Strategies:

Worked on behalf of NYS DEC to assist in the preparation of Strategies for watersheds in the region, including the eastern Finger Lakes, Lake Ontario Direct Drainage, the Oswego River and Oneida Lake.

Basin Teams:

Worked with DEC to establish Basin Teams in Lake Ontario Basin. Convened a meeting of regional partners (DEC-Regional Offices, NRCS Area Conservationists, NYS S&WCC Regional Coordinators, FL-LOWPA and others) around a watershed of common interest to identify water resource issues, the status of work done on them, and the priority of the issues.

Agency Name:

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Title of Project:

Statewide Coordination of NYSARC Water Resources Management Planning Program

Time Period of Project:

Ongoing

Project Location:

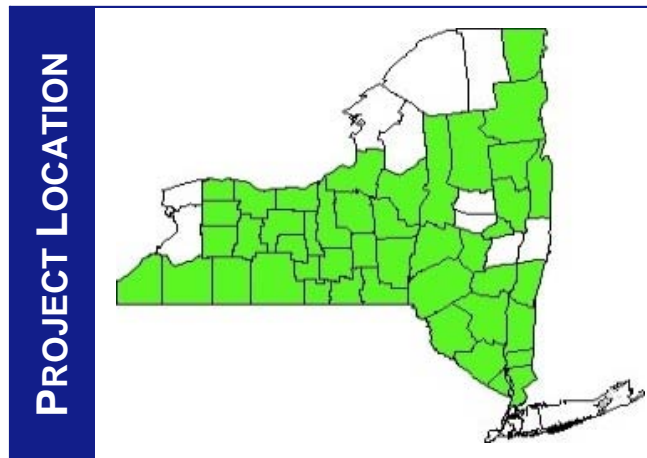
Statewide – coverage by region in conjunction with NYSARC jurisdictions.

Project Contact:

Kathleen Bertuch - Program Manager

Project Description(s):

Working on behalf of the NYSARC and the NYS DEC as the Statewide Water Resources Management Program Coordinator, the CNY RPDB is responsible for the following tasks: (1) coordinating water quality activities of all NYSARC members that participate in the Water Program; (2) marketing Regional Council water resources services; (3) negotiating with the NYS DEC for ongoing NYSARC funding; and (4) serving as the liaison between the NYSARC and the NYS DEC as pertains to NYSARC water resources programming, funding and contracting issues.



Agency Name:

Central New York Regional Planning and Development Board
126 N. Salina St., Suite 200, Syracuse, N.Y. 13202
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Title of Project:

Aquatic Invasive Species Management Plan

Time Period of Project:

2006–Ongoing

Project Location:

Cayuga, Cortland, Madison, Onondaga and Oswego Counties

Project Contact:

Kathleen Bertuch - Program Manager

Project Description(s):

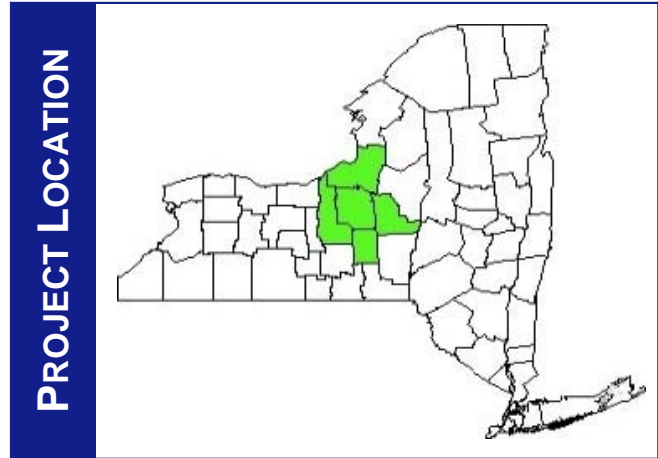
CNY RPDB initiated this project in response to recommendations made in the 2005 Invasive Species Task Force Report. The project incorporates communication, cooperation and coordination to better leverage available funding for the effective control and eradication of aquatic invasive species infestations by spanning multiple jurisdictions; eliminating duplicative efforts and uniting complimentary efforts; and, providing a vehicle for uniting key partners for the purpose of establishing both a rapid response program and coordinated long-term eradication effort.

Cooperating Agencies: NYS DEC, Onondaga County CCE, SUNY ESF, Cornell University, Madison County SWCD, Oswego County SWCD, Cayuga County WQMA, Onondaga County DOH, CNY Water Chestnut Task Force

Purpose/Objective: Apply the concepts of watershed management planning to the control and eradication of aquatic invasive species.

Methods Employed: The project is comprised of four phases:

Phase I: CNY RPDB will develop a “Current State of Aquatic Invasive Species in Central New



York” report. The report will identify current infestations and research, problem species, susceptible areas, long and short-term feasibility of current control and eradication options, economic impacts associated with the spread of aquatic infestations and resources needed to control aquatic invasive species infestations.

Phase II: CNY RPDB will bring together experts in the identification, management and eradication of aquatic invasive species at a regional Aquatic Invasive Species Conference to share information and solicit participation in the development of a regional aquatic invasive species management plan.

Phase III: CNY RPDB will apply for funding to support the development of a regional aquatic invasive species management plan. CNY RPDB will identify additional stakeholders to help define goals and objectives, establish an organizational structure and timeline, coordinate plan development, identify priorities, develop recommendations, solicit input and comments and prepare the final management plan.

Phase IV: CNY RPDB will apply for funding and will work closely with agencies, organizations, researchers and volunteer groups to implement recommendations made in the management plan. CNY RPDB will serve as grant and contract administrator as appropriate.

Agency Name:

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Title of Project:

Onondaga Lake Partnership Outreach Support
Services

Time Period of Project:

2005–Ongoing

Project Location:

Onondaga Lake Watershed, Onondaga County

Project Contact:

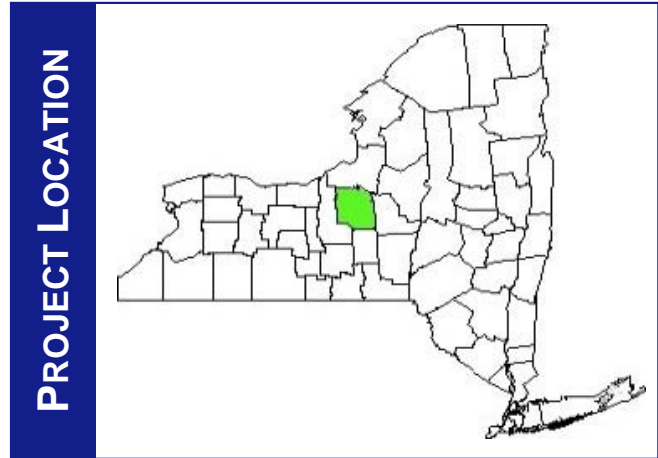
Kathleen Bertuch - Program Manager

Project Description(s):

Cooperating Agencies: U.S. Environmental Protection Agency; U.S. Army Corps of Engineers; NYS Department of Environmental Conservation; NYS Attorney General’s Office; Onondaga County; City of Syracuse; Izaak Walton League; Atlantic States Legal Foundation; League of Women Voters; Onondaga Historical Association; Cornell Cooperative Extension of Onondaga County; and State University of New York College of Environmental Science and Forestry.

Purpose/Objective: To provide staff support to the Onondaga Lake Partnership Outreach Committee for assistance in enhancing public knowledge and understanding of the status of the lake improvement effort and the Partnership.

Methods Employed: CNY RPDB is providing support services to the Outreach Committee and its members in order to develop and maintain public information products and opportunities for public participation and education; develop and conduct public outreach activities to increase public involvement and participation; identify and pursue partnerships with other organizations and people interested in Onondaga Lake; and other tasks to enhance the Partnership’s public outreach and education efforts.



Outputs: (1) Meetings, events and symposia; (2) media products and printed materials; (3) mailing lists, portable displays, and other outreach product distribution; (4) implementation of grant programs and education programs; (5) collaboration among agencies, organizations and the public; and (6) increased awareness of Onondaga Lake watershed revitalization efforts and the Onondaga Lake Partnership.

Agency Name:

Central New York Regional Planning and Development Board
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Title of Project:

Onondaga Lake Partnership Project Committee

Time Period of Project:

2005–Ongoing

Project Location:

Onondaga Lake Watershed, Onondaga County

Project Contact:

Kathleen Bertuch - Program Manager

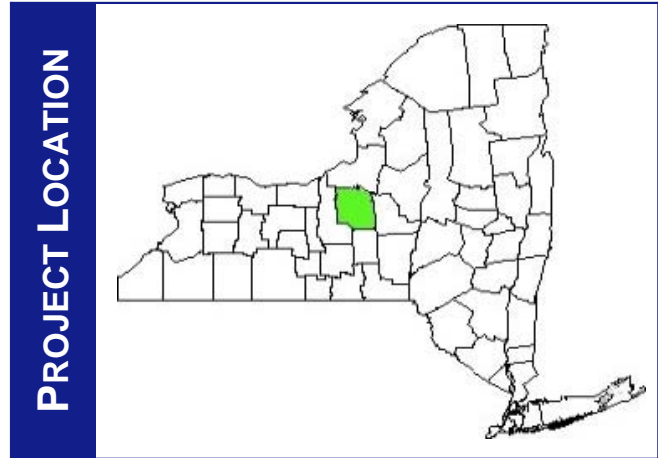
Project Description(s):

Cooperating Agencies: U.S. Environmental Protection Agency; U.S. Army Corps of Engineers; NYS Department of Environmental Conservation; NYS Attorney General’s Office; Onondaga County; City of Syracuse; U.S. Geological Survey; Onondaga County Soil and Water Conservation District; U.S. Housing and Urban Development; and Metropolitan Development Association.

Purpose/Objective: To participate as a voting member of the Onondaga Lake Partnership Project Committee, which serves as the Partnership’s technical center of expertise on specific lake improvement projects.

Methods Employed: The CNY RPDB participates on the Project Committee to investigate and provide technical recommendations to the Executive Committee; provide input for a comprehensive project database and schedule for the entire lake improvement effort; monitor project progress and provide data for status reports; and identify and develop projects from the management plan required for lake cleanup.

Outputs: (1) Development and maintenance of comprehensive project database and schedule; (2) identification of opportunities for project coordi-



nation; (3) recommendations made to the Executive Committee; (4) operating procedures developed; and (5) other duties and products assigned by the Executive Committee.

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Title of Project:

Lake Neatahwanta Reclamation Project

Time Period of Project:

2005–2008

Project Location:

Lake Neatahwanta Watershed, Oswego County

Project Contact:

Kathleen Bertuch - Program Manager

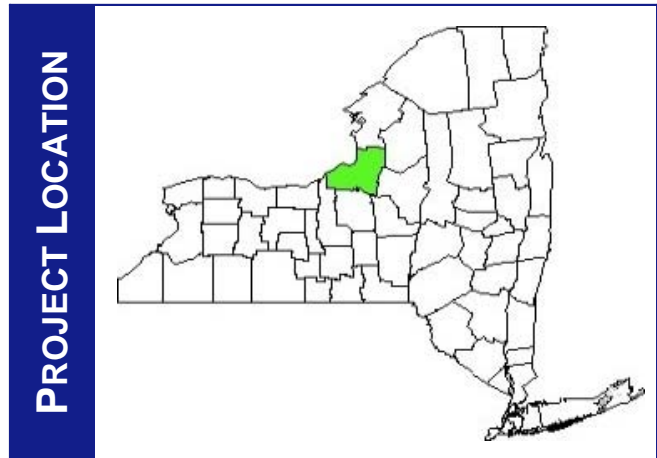
Project Description(s):

Cooperating Agencies: Lake Neatahwanta Reclamation Committee; City of Fulton; Town of Granby; Cornell Cooperative Extension of Oswego County; Oswego County Soil and Water Conservation District; and Natural Resources Conservation Service.

Purpose/Objective: To reduce nonpoint source pollutant loadings to Lake Neatahwanta through the implementation of resource conservation practices in the watershed.

Methods Employed: CNY RPDB is providing contract administration and overall project coordination and support on behalf of the project's sponsor, the City of Fulton. CNY RPDB is working with Cornell Cooperative Extension to provide one-on-one assistance to agricultural producers and to oversee the planning and implementation of projects on local farmsteads that are designed to boost efficiency and cost-savings while protecting the lake and its tributaries from sediment and nutrient pollution.

Outputs: (1) Expanded education efforts; (2) enhanced communication among partners and participants; (3) identification, planning and implementation of agricultural resource conservation practices.



Agency Name:

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Title of Project:

Oneida Lake Watershed Management Plan Implementation

Time Period of Project:

2005-2007

Project Location:

Oneida Lake Watershed (portions of Madison, Onondaga, Oneida, Lewis, Oswego and Cortland Counties)

Project Contact:

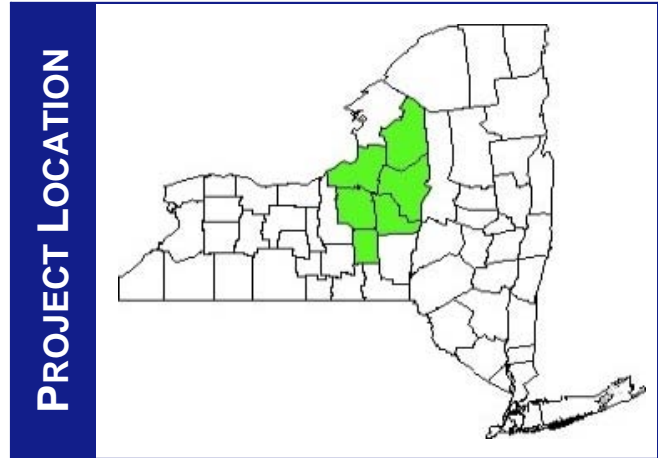
Kathleen Bertuch - Program Manager

Project Description(s):

Cooperating Agencies: Oneida Lake Watershed Advisory Council, Environmental Protection Agency, Great Lakes Commission, Cornell University Cooperative Extension of Onondaga County, Cornell Biological Field Station, New York Sea Grant, Soil and Water Conservation Districts, Oneida Lake Association, County Water Quality Coordinating Committees, County Planning Departments, Health Departments, and watershed municipalities.

Purpose/Objective: To implement recommendations from the "Management Strategy for Oneida Lake and its Watershed" for the long-term protection and improvement of local water resources. This project is designed to provide watershed residents with a greater understanding of the lake and watershed interactions and to improve agricultural practices, lower levels of sediment loading to Oneida Lake and its tributaries, maintain a healthy fishing industry, and efficiently control nonpoint source pollution from on-site septic systems.

Methods Employed: The primary focus is on five program areas: Education, Erosion and Sedimen-



tation, Agriculture, Nutrient Management, and Nonpoint Source Pollution Control. The Oneida Lake Watershed Advisory Council, a group of municipal governments and stakeholder representatives, provides input to CNY RPDB and ensures local level participation in program implementation.

Outputs: (1) Summer Lecture Series, (2) "Know Your Lake" calendar of events, (3) administrative support of the Oneida Lake Watershed Advisory Council, Technical Committee, and Education Committee, (4) newsletters, websites, and aerial photography, (5) Oneida Lake Education Initiative, (6) grant writing and administration, (7) nutrient management program, (8) on-site septic program, including a conference and educational material, (9) regional communications and outreach.

Agency Name:

Central New York Regional Planning and Development Board
126 N. Salina St., Suite 200, Syracuse, N.Y. 13202
(315) 422-8276

Title of Project:

Local Laws to Protect Water Quality in the Oneida Lake Watershed

Time Period of Project:

2005–2007

Project Location:

Madison, Onondaga and Oswego Counties

Project Contact:

Kathleen Bertuch - Program Manager

Project Description(s):

This project assess the capabilities of existing local laws and land use controls to protect water quality and support the long-term implementation of recommendations made in the “Management Strategy for Oneida Lake and its Watershed” and makes specific recommendations for improving local control over land use decisions that impact water quality.

Cooperating Agencies:

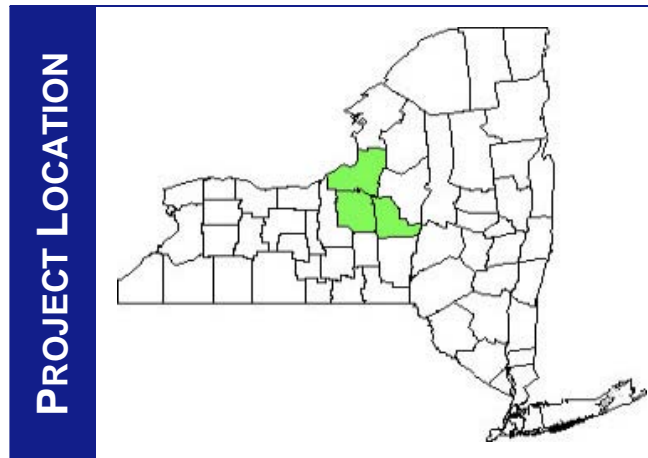
NYS DOS, Madison County Planning Department, Syracuse-Onondaga County Planning Agency, Tug Hill Commission and watershed municipalities.

Purpose/Objective:

To improve long-term water quality protection and implementation of appropriate best management practices to improve and protect water quality through comprehensive land use controls and local laws.

Methods Employed:

The CNY RPDB utilized the following three-phase methodology originally developed by the



Genesee/Finger Lakes Regional Planning Council:

Phase I: CNY RPDB will follow the methodology defined in the G/FLRPC publication entitled “Protecting Water Resources through Local Controls and Practices: An Assessment Manual for New York Municipalities” to assess existing local laws, ordinances and practices relating to water resources in 16 Oneida Lake watershed communities.

Phase II: CNY RPDB will identify opportunities for strengthening local laws to improve and protect water quality in each of the 16 municipalities and provide model laws and language for adoption when appropriate.

Phase III: CNY RPDB will conduct workshops in the Oneida Lake watershed to encourage the use and importance of using local laws and land use controls as a means for addressing non-point sources of pollution. CNY RPDB will provide information on conducting local law assessments and the availability and use of tools to address a variety of local conditions and needs at one or more workshops in the watershed.

Outputs:

Completed assessment of implemented best management practices for 16 watershed municipalities; identification and assessment of existing land use local laws to protect water quality and recommendations for strengthening local control over land use decisions that impact water quality.

Agency Name:

Central New York Regional Planning and Development Board
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Title of Project:

Phase II Stormwater Assistance

Time Period of Project:

2003–2007

Project Location:

Cayuga, Cortland, Madison, Onondaga and Oswego Counties

Project Contact:

Kathleen Bertuch - Program Manager

Project Description(s):

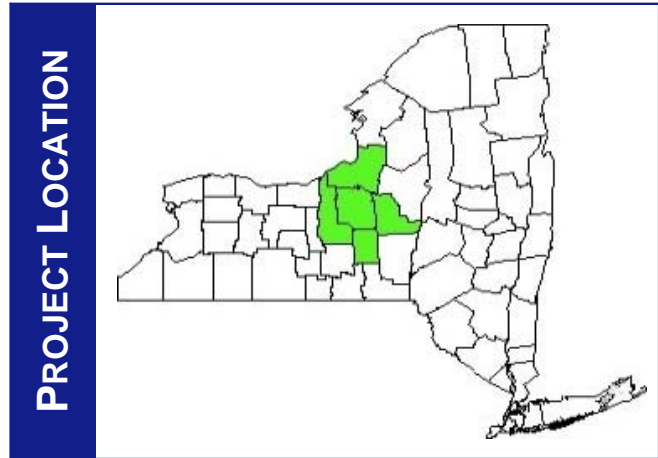
The CNY RPDB will assist regulated municipalities in planning and implementing the SPDES Phase II Stormwater permits for MS4s and construction activities.

CNY RPDB MS4 assistance will be provided to the 32 regulated municipalities in Madison, Onondaga and Oswego Counties. Construction assistance will be provided in Cayuga, Cortland, Madison, Onondaga and Oswego Counties.

Cooperating Agencies: NYS DEC, Onondaga County SWCD, Onondaga County CCE, NYS DOS, Great Lakes Basin Commission, SUNY ESF

Purpose/Objective: Assist regulated MS4s in the Syracuse Urbanized Area plan and implement the six minimum control measures required in Phase II and assist municipal and private entities in the five-county CNY Region understand and respond to the requirements of the NYS SPDES Phase II Stormwater Construction Permit.

Methods Employed: Assistance will be provided in three general areas: education and outreach; program support, program evaluation and compliance.



All education and outreach efforts will be designed to assist MS4s develop, implement and improve upon NOIs, SWMPs and SWPPPs and will be tailored to the needs of the general public, municipal officials and municipal staff.

Program support efforts will be regionally coordinated and designed to assist MS4s directly address planning and implementation of required compliance activities. Program support efforts will emphasize intermunicipal partnerships and regional uniformity.

Program evaluation and compliance efforts will support NYS DEC's efforts to assure compliance with the program requirements.

Outputs: The outputs of this project include a regional stormwater information clearinghouse website, stormwater library, stormwater public education assessment survey and report, informational articles, brochures and fact sheets, uniform outfall mapping standards, regional outfall base map, field verification of stormwater outfalls, stormwater outfalls plotted on regional outfall map, preliminary identification of illicit discharges, regional construction site inspection checklist, common enforcement standards for construction permit violations, criteria for identifying priority construction sites, local law training workshops and construction contractor training workshops.

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13202
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Title of Project:

NYS DEC Division of Water Web Site Support

Time Period of Project:

2002–2004

Project Location:

Statewide relevance

Project Contact:

Kathleen Bertuch - Program Manager

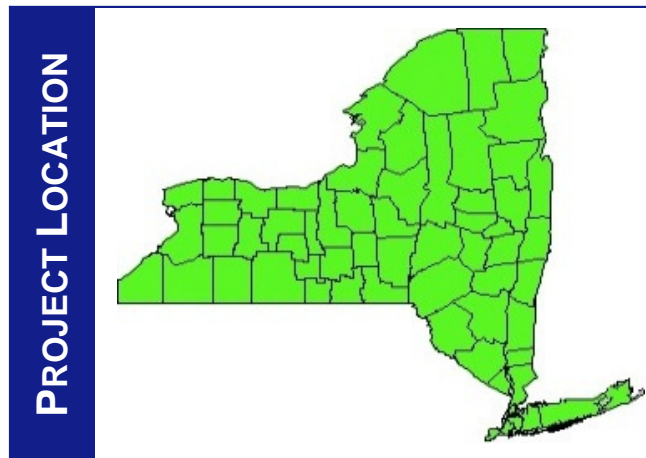
PROJECT DESCRIPTION(S):

Cooperating Agencies: New York State Department of Environmental Conservation (DEC)

Purpose/Objective: To provide assistance to NYS DEC with development, reconstruction and maintenance of its updated Division of Water web site.

Methods Employed: Conversion of documents to HTML format (as needed); checked and corrected/modified HTML formatting in pages created or edited by personnel within the DOW for compliance with DEC web site standards; create PDF (Adobe Acrobat) files from word processor documents; checked and corrected/modified already created PDF files for compliance with DEC web site standards.

Outputs: (1) HTML and PDF conversions of DEC materials; (2) compliance of existing or new/edited materials with DEC web site standards; notes of needed corrections or make corrections/modifications as required; 3) assistance provided to DOW content coordinator in understanding and application of DEC web site standards, particularly concerning PDF files.



Agency Name:

Central New York Regional Planning and Development Board
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Title of Project:

Oneida Lake and Watershed Management Plan

Time Period of Project:

2001–2004

Project Location:

Oneida Lake Watershed (Portions of Madison, Onondaga, Oswego, Lewis, Oneida and Cortland Counties)

Project Contact:

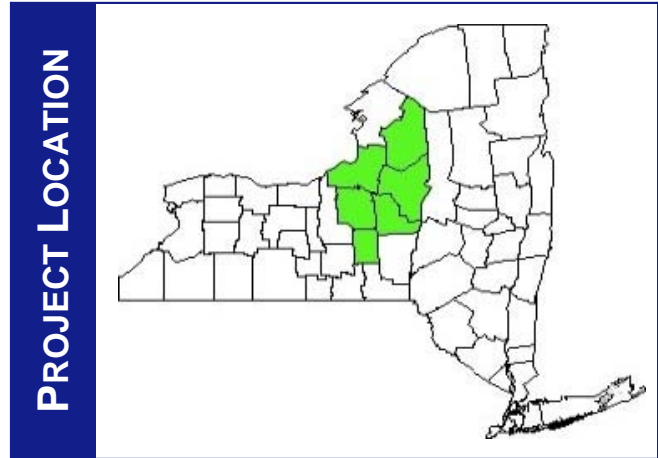
Kathleen Bertuch - Program Manager

Project Description(s):

Cooperating Agencies: County Water Quality Coordinating Committees, County Planning Departments, HOCCPP, County SWCDs, County Health Departments, DEC, SWCC, Cornell Cooperative Extension, Cornell Biological Field Station, SUNY Research Foundation, NYS Tug Hill Commission, NYS Canal Corporation, Hamilton College, local elected officials, Oneida Lake Association, and other community groups.

Purpose/Objective: The overall project objective was to develop an Oneida Lake and Watershed Management Plan for the long-term protection and improvement of local water resources. Primary tasks included: data collection and analysis; completion of the State of the Lake and Watershed report and Management Strategy for Oneida Lake and Its Watershed; education, outreach, and public participation programs; GIS mapping; support for Task Force Committees, Working Groups and the Watershed Advisory Council; tributary monitoring; watershed agricultural program; and the distribution of grant funding for research and watershed improvement projects.

Methods Employed: The Oneida Lake Watershed Advisory Council is a group of municipal gov-



ernments and stakeholders that ensures local level participation in the development and implementation the management plan and provides input to the Regional Planning Board. Local elected officials, stakeholders, and agency representatives participated in the compilation of recommendations for the Management Plan via Working Groups. The water quality monitoring program was implemented through multi-agency cooperation throughout a four-county region.

Outputs: (1) Information compiled on the environmental setting, economic influences, and social impacts as part of the State of the Lake and Watershed Report; (2) regional GIS coordination and mapping; (3) issues identified and prioritized, and recommendations developed as a grassroots initiative to improve problem areas as part of the watershed management plan; (4) nutrient and sediment loading information and baseline chemistry collected on all primary tributaries to assist in problem source identification and segment analysis conducted on the highest priority tributaries; (5) implementation of education and outreach programs; and (6) continued collaboration among local agencies, organizations, stakeholders and municipalities.

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Title of Project:

Cayuga Lake Watershed Organization Facilitator

Time Period of Project:

2001–2002

Project Location:

Cayuga Lake Watershed (Cayuga, Cortland,
Schuyler, Seneca, Tioga and Tompkins Counties)

Project Contact:

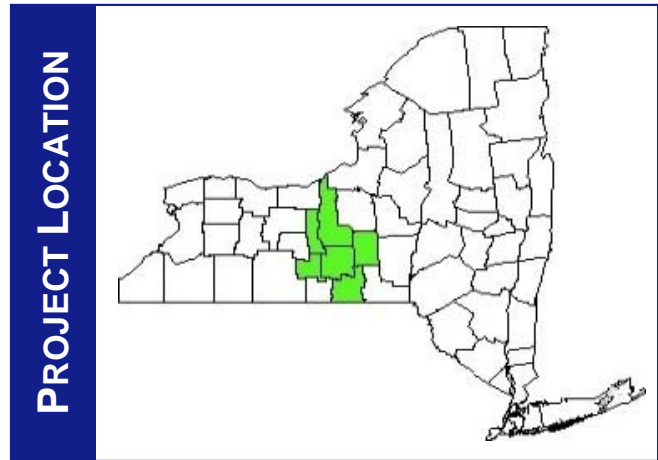
Kathleen Bertuch - Program Manager

Project Description(s):

Cooperating Agencies: NYS Department of Environmental Conservation; Cayuga Lake Watershed Intermunicipal Organization; NYS Department of State; and Cayuga Lake Watershed Network.

Purpose/Objective: Define an institutional structure that can be maintained over time for the purpose of implementing the Cayuga Lake Watershed Management Plan.

Methods Employed: Project components included: (1) Active and on-going communication with the Intermunicipal Organization (IO) and other partner organizations for the purpose of determining the current IO structure, identifying the functions an implementing organization will be required to perform and determining future funding needs; (2) Develop a list of structural recommendations to the IO based on comparative analysis of other multi-jurisdictional organizations in New York State; (3) Facilitate IO discussions leading to the development of a model for determining IO membership dues; (4) Develop a list of private and public funding sources for project implementation and administrative costs; (5) Incorporate IO comments and feedback and prepare draft report for IO approval; (6) Prepare final report including organizational recommendations



and suggestions for changes to the existing bylaws as needed.

Outputs: (1) An organization structured to implement the Cayuga Lake Watershed Management Plan; (2) a comprehensive listing of potential administrative and project funding sources; (3) an equitable formula for determining municipal membership dues; (4) final organizational structure recommendation report.

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Title of Project:

Oswego River Remedial Advisory Committee
(RAC) - Meeting Facilitation

Time Period of Project:

1999–2001

Project Location:

Oswego River Area of Concern
(Varrick Dam to Harbor entrance)

Project Contact:

Kathleen Bertuch - Program Manager

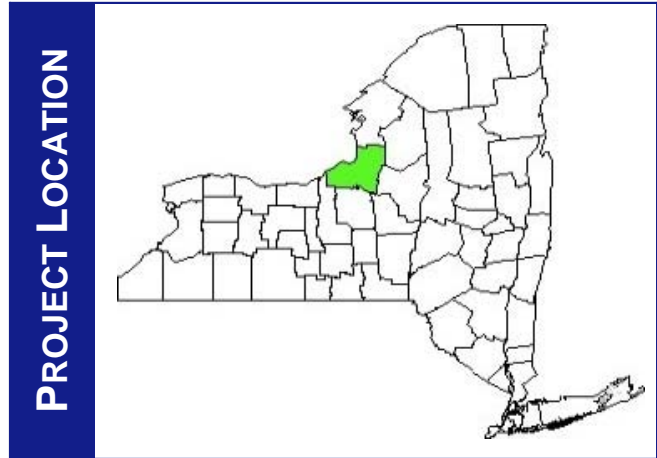
Project Description(s):

Cooperating Agencies: NYS Department of Environmental Conservation, Oswego County Department of Planning and Economic Development, Oswego County Soil and Water District, Onondaga County Department of Health, Oswego River Remedial Advisory Committee members

Purpose/Objective: To facilitate RAC meetings for the purpose of maintaining a focus and direction in the committee advisory process; and to facilitate a close to the long-standing RAC, formed to help identify water quality use impairments and restoration solutions for the lower reaches of the Oswego River.

Methods Employed: The CNY RPDB fulfilled a request from the NYS Department of Environmental Conservation by providing a facilitator to this committee to help conclude the work of the RAC.

Outputs: Facilitated meetings that resulted in an enhanced committee process and committee approval of the DEC-prepared Delisting report, bringing the RAC to a close.



Agency Name:

Central New York Regional Planning and
Development Board
126 N. Salina St., Suite 200, Syracuse, N.Y.
13202
(315) 422-8276

Title of Project:

Project Management for Onondaga Lake Environmental Benefit Project

Time Period of Project:

1998–2005

Project Location:

Onondaga Lake Watershed (Onondaga County)

Project Contact:

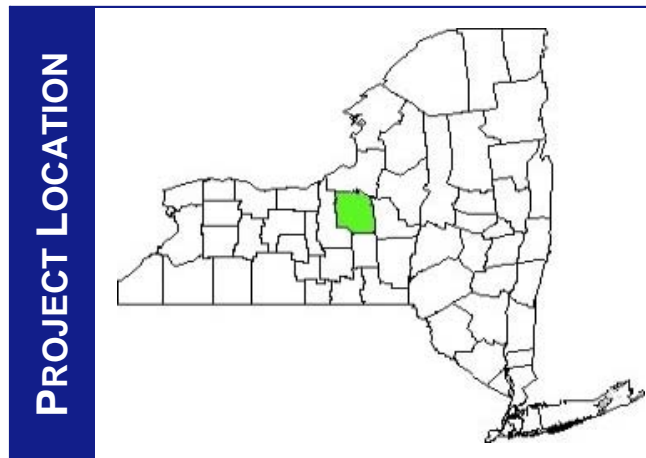
Kathleen Bertuch - Program Manager

Project Description(s):

Cooperating Agencies: New York State Department of Environmental Conservation; Onondaga County; Natural Resources Conservation Service; and Atlantic States Legal Foundation.

Purpose/Objective: Project management services provided by CNY RPDB. Environmental Benefit Project was conducted to reduce nutrient input from agricultural activity to Onondaga Lake by applying nonpoint source management strategies and techniques at a small number of farms; to reduce nutrient input from urban and suburban sources to Onondaga Lake by applying nonpoint source management strategies and techniques at a small number of urban runoff (highway and parking lot) locations; and to gauge the effectiveness, via water quality monitoring, of management strategies employed.

Methods Employed: A private consultant worked under contract to the CNY RPDB to install and monitor the effectiveness of management strategies and techniques used. The consultant worked with specific property owners/sites and CNY RPDB managed the overall contract.



Outputs: 1) Reduced nutrient loadings; 2) stream monitoring conducted on a before and after basis to document nutrient level reductions and effectiveness of measures used; 3) project management services provided.

Agency Name:

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Title of Project:

Cayuga Lake Watershed Management Plan

Time Period of Project:

1998–2001

Project Location:

Cayuga Lake Watershed (Cayuga, Cortland, Schuyler, Seneca, Tioga and Tompkins Counties)

Project Contact:

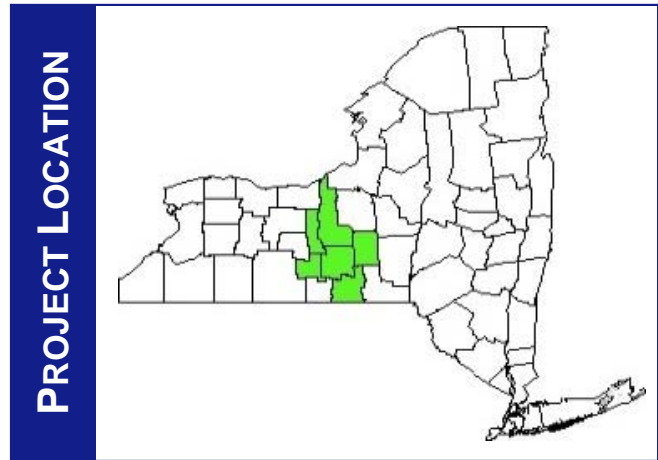
Kathleen Bertuch - Program Manager

Project Description(s):

Cooperating Entities: Genesee/Finger Lakes Regional Planning Council, Cornell Cooperative Extension of Cayuga County, Cornell Cooperative Extension of Tompkins County, Tompkins County SWCD, Seneca County SWCD, Cayuga County SWCD, Cayuga Nature Center, Town of Ledyard, NYS Department of State, County Water Quality Coordinating Committees, Cayuga Lake Watershed Network, EcoLogic, municipalities, counties, citizens, legislators

Purpose/Objective: Develop a watershed management plan that recommends strategies for improving and protecting the water quality of Cayuga Lake and its tributaries thereby helping to sustain the economic, environmental and social benefits impacted by water resources.

Methods Employed: Project components included: (1) Formation and support of an Intermunicipal Organization - consisting of municipal representation - as the local oversight body ensuring that plan development is locally driven, and for the purpose of plan implementation; (2) watershed management plan development consisting of watershed and subwatershed delineation, watershed/water quality characterization, assessment and prioritization of water resources problems and



issues, identification and assessment of programmatic and regulatory environment as pertains to water resources, and implementation of recommendations; (3) public participation; and (4) ongoing public education.

Outputs: (1) An Intermunicipal Organization; (2) a watershed characterization; (3) the watershed management plan; (4) public participation meetings; (5) educational materials including a fact sheet, website, brochure, watershed display, feature newspaper articles and press releases.

Agency Name:

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Title of Project:

Oneida Lake and Watershed Protection Project

Time Period of Project:

1997–2000

Project Location:

Oneida Lake Watershed (Madison, Onondaga,
Oswego, Lewis and Oneida Counties)

Project Contact:

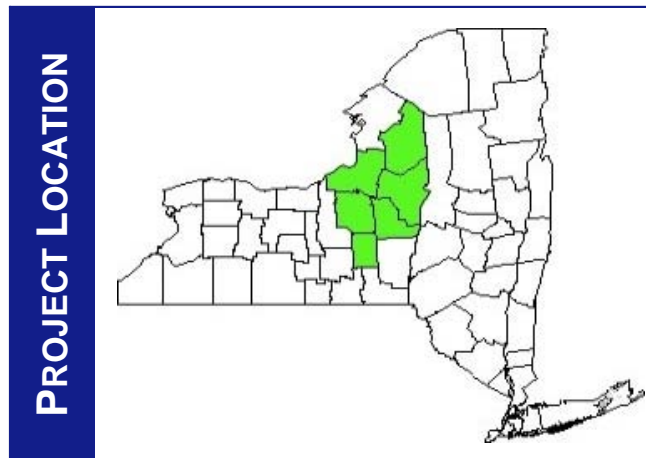
Kathleen Bertuch - Program Manager

Project Description(s):

Cooperating Agencies: County Water Quality Co-ordinating Committees, County Planning Departments, County SWCDs, DEC, SWCC, Cornell Biological Field Station, local elected officials, Oneida Lake Association, and various other community groups.

Purpose/Objective: Set the stage for watershed planning in the Oneida Lake watershed through the following activities: (a) formed an Oneida Lake Task Force; (b) implemented a water quality monitoring program in the southern region tributaries; (c) collected information about the environment and cultural setting; (d) identified actual and potential watershed problem areas; (e) mapped watershed characteristics; (f) participated in education and outreach initiatives; (g) summarized watershed rules and regulations for water quality protection; and (h) developed long term goals for a Watershed Management Plan.

Methods Employed: The Oneida Lake Task Force was comprised of Technical, Land Use and Education/Outreach Committees, with an Executive Committee that provided guidance to the Regional Planning Board. The water quality monitoring program was implemented through collaboration with the Cornell Biological Research Station. Wa-



tershed characteristics were mapped by the USGS using Geographic Information System technology. Local elected officials and agency representatives have participated in compilation of the data and in generating goals and recommendations for the future.

Outputs: (1) USGS mapping of the entire watershed region; (2) information compiled on the environmental setting, economic influences, and social impacts (3) nutrient and sediment loading information and baseline chemistry on the southern region tributaries to assist in problem source identification; (4) implementation of education and outreach programs; and (5) increased collaboration among local agencies and organizations.

Agency Name:

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Title of Project:

Nonpoint Source Pollution Abatement Project

Time Period of Project:

1993–1997

Project Location:

Lake Neatahwanta - Oswego County

Lake Moraine - Madison County

Project Contact:

Kathleen Bertuch - Program Manager

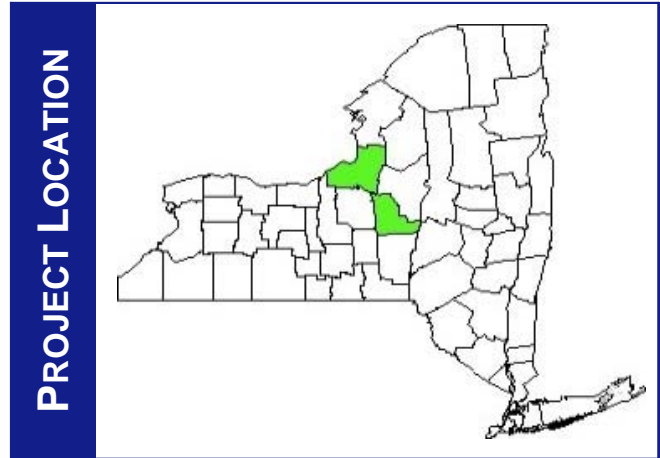
Project Description(s):

Cooperating Agencies: Madison and Oswego
County Planning Departments and Soil & Water
Conservation Districts, and Oswego County
Health Department

Purpose/Objective: To reduce nonpoint source
pollutant loading to two lakes in the Central New
York Region through education and implementa-
tion of specific abatement measures.

Methods Employed: (1) Reviewed and assessed
current and potential threats to lake watersheds,
especially those related to faulty septic systems,
agricultural runoff, and construction development;
(2) compiled available materials related to educa-
tion of nonpoint source pollution avoidance/
abatement; (3) photographed examples within wa-
tershed of BMPs in use; (4) conducted stream-bed
inventory and biological monitoring of tributaries;
(5) inventoried land-use, vegetation, soil charac-
teristics, and hydrologic information on GIS; and
(6) surveyed Lake Neatahwanta watershed land
owners regarding sewage disposal systems.

Outputs: (1) Farm Planning Project for dairy
farms within watershed; (2) Watershed Assess-
ment Project to update Lake Moraine information



and maps; (3) stabilization of stream banks and
remediation of tributaries for both lakes; (4) de-
tailed GIS watershed maps for Lake Neatahwanta;
(5) technical assistance package; (6) educational
video and associated brochure highlighting non-
point source pollution threats specific to each lake
and positive steps toward remediation; and (7)
public education and increased awareness of non-
point pollution and water quality issues through-
out the watersheds.

Agency Name:

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Title of Project:

Source Water Protection: Central New York
Groundwater/Wellhead Study

Time Period of Project:

1991–1994

Project Location:

Sixteen (16) selected groundwater-dependent
communities in the Central New York Counties of
Cayuga, Madison, Onondaga, and Oswego

Project Contact:

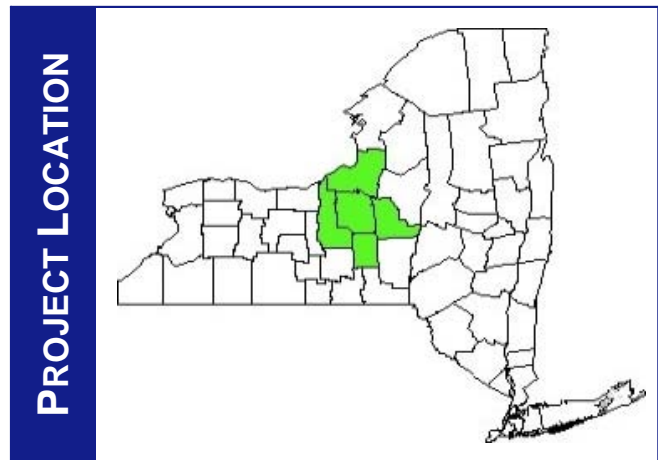
Kathleen Bertuch - Program Manager

Project Description(s):

Cooperating Agencies: Cayuga, Madison, and
Oswego County Planning Departments, and the
Onondaga County Water Quality Management
Agency.

Purpose/Objective: To gather, consolidate, and
map hydrogeologic information for delineation of
wellhead, aquifer, and recharge areas; to collect
and organize information and map land-uses and
potential sources of contamination within a one-
mile radius of municipal wells; and to develop lo-
cally specific management tools and wellhead
protection recommendations.

Methods Employed: (1) Identified and mapped
community water supply systems utilizing exist-
ing soils, hydrogeologic, and community water
supply data within a one-mile radius of public
wells; (2) identified and mapped an extensive in-
ventory of existing land-use activities and poten-
tial sources of groundwater contaminations; and
(3) conducted analysis and developed recommen-
dations based on primary threats, areas of signifi-
cant concern, and future land-use impacts within
the study areas.



Outputs: (1) USGS base scale (1:24,000) map-
overlays for each study area providing informa-
tion on wellhead, aquifer, and recharge areas, ex-
isting land-uses, and potential contaminations
sources within a one-mile radius of selected mu-
nicipal wells; (2) detailed reports describing water
supply systems, potential contaminants, and rec-
ommended wellhead protection/management tools
for each of the sixteen selected study communities
in the Region; and (3) compilation of groundwater
protection tools from education to legislation.

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Title of Project:

Statewide Water Quality Enhancement and Protection Policy (WQEPP) Public Participation Program

Time Period of Project:

1991–1994

Project Location:

Statewide – coverage by region in conjunction with NYSARC jurisdictions.

Project Contact:

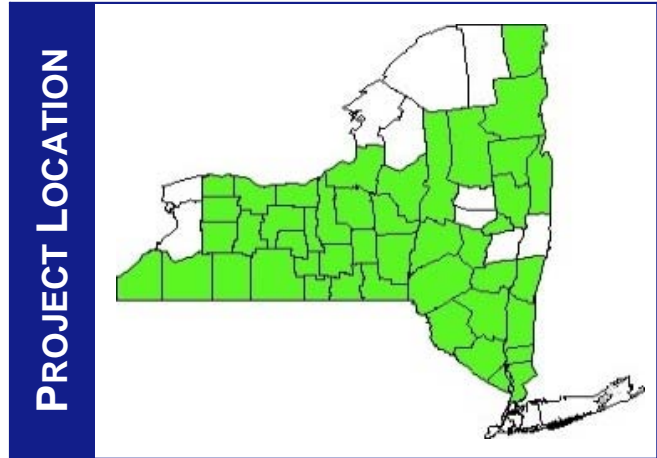
Kathleen Bertuch - Program Manager

Project Description(s):

Cooperating Agencies: New York State Association of Regional Councils: Capital District RPC, Central New York RPDB, Genesee/Finger Lakes RPC, Herkimer-Oneida Counties Comprehensive Planning Program, Hudson Valley RC, Lake Champlain-Lake George RPB, Southern Tier Central RPDB, Southern Tier East RPDB, and Southern Tier West RPDB

Purpose/Objective: To collect ideas and reactions regarding the proposed changes to New York State’s antidegradation policy.

Methods Employed: (1) Identified key individuals and organizations to interview about proposed changes to NYS’s anti-degradation policy and about water quality in general; (2) solicited comments about proposed policy changes, using DEC-prepared format (Community Assessment Forms); (3) compiled responses to community assessment form questions into a report for DEC/EPA review; (4) distributed DEC response/action summary and additional questions to community assessment form respondents; (5) solicited subsequent respondent input on DEC’s revisions to its proposed



anti-degradation policy changes; and (6) compiled and summarized additional responses from DEC.

Outputs: (1) Summary report containing compiled, summarized and evaluated responses to community assessment forms; and; (2) summary of respondent comments on DEC’s revisions made in response to initial feedback.

Agency Name:

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Title of Project:

Onondaga Lake Water Quality Study

Time Period of Project:

1988–1994

Project Location:

Onondaga County, Syracuse, New York

Project Contact:

Kathleen Bertuch - Program Manager

Project Description(s):

Cooperating Agencies: Upstate Freshwater Institute

Purpose/Objective: To develop mathematical models for the water quality characteristics necessary to support the evaluation of management alternatives for improving Onondaga Lake's water quality.

Methods Employed: The Upstate Freshwater Institute, a research consortium under contract to the CNY RPDB, carried out scientific and engineering studies to develop, calibrate, and validate management models for bacteria, phosphorous, oxygen, ammonia, and transparency. The models provide a state-of-the-art set of analytical tools for on-going use in evaluating management alternatives to assist in addressing the complex problems of Onondaga.

Outputs: (1) Field data sheets of information collected for model development; (2) detailed reports describing the models and their development; and (3) computer disks of the models.

