WYOMING COUNTY WATER QUALITY STRATEGY

Seventh Edition

January 2011

Prepared by:

Wyoming County Water Resources Coordinating Committee

&

Wyoming County Soil & Water Conservation District

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WYOMING COUNTY WATER RESOURCES COORDINATING COMMITTEE

I. Introduction

A. Background/ History

The Wyoming County Water Resources Coordinating Committee was founded on May 22, 1991 as part of an initiative to protect water resources statewide. The Water Resources Coordinating Committee is comprised of government agencies, private organizations, and individuals who share the common interest of restoring and protecting Wyoming County water resources.

Shortly after its formation, the WRCC created a water quality strategy which outlines the committee's purpose, priority water bodies and watersheds throughout the county and future goals. The strategy also contains lists of available technical references and agency contact information. The first edition of the water quality strategy was completed in August 1992 and has been updated in 2004 and 2010.

The seventh edition of the Wyoming County Water Quality Strategy has been completed by a collective effort by several agencies, groups, organizations and individuals that make up the Wyoming County Water Resources Coordinating Committee. This edition is an updated, revised version of the 2004 water quality strategy. On May 22, 1991 the Wyoming County Water Resources Coordinating Committee was officially formed to begin working on formation of our water quality strategy. A chairperson and a secretary are elected annually to conduct the meetings and to record the minutes. The original Wyoming County Water Quality Strategy was presented in August of 1992. From that time until 2008, the Committee met every other month (six times a year) to discuss water quality and water resource issues consistent with the goals, objectives and actions of this strategy. Since 2008, the Committee has decreased meeting frequency to quarterly meetings.

B. WRCC Purpose

At this time, the Wyoming County Water Resources Coordinating Committee has not officially adopted any position statements to guide the committee through the decision making process in achieving its goals and mission. However, all actions of the committee are consistent with our mission statement, long and short term goals and the policies of the groups and agencies represented on the coordinating committee. The Committee is designed to be an ad hoc or freestanding committee that reports to general public, the member agencies and organizations, local governments and municipalities, watershed groups and any other interested parties.

C. WRCC Mission

"The Wyoming County Water Resources Coordinating Committee consists of representatives of many various groups and agencies concerned about the quality and quantity of Wyoming County's surface and groundwater. Our purpose is to help coordinate the efforts of private and commercial groups as well as local, state, federal agencies and municipalities in accomplishing our common goals and objectives through voluntary and effective approaches to maintaining and improving all of our water resources."

D. WRCC Functions

The primary functions of the Committee are as follows:

- To establish an overall direction and to provide organization for the Committee in the preparation of a county-wide water quality strategy.
- To establish local priorities for the Committee to follow based on the county priority waterbody list and to address water resource issues important to the county.
- To act as an advisor to local municipalities and watershed organizations.
- To develop teamwork in hopes of completing necessary projects with minimal duplication of efforts by various agencies and organizations.
- To act as a clearing house for water quality and water resources information and to become a leader in water quality information and education.
- To seek financial, technical, and in-kind assistance for completing the objectives of the strategy.

E. WRCC Responsibilities

The roles and responsibilities of the various agencies and organizations of the coordinating committee have been updated during the preparation of this strategy. This was accomplished through a questionnaire of specific water quality related services and expertise that was distributed to all committee members and their organizations. Ultimately, this led to the publication of the "Wyoming County Water Quality Technical Assistance Directory". The directory has been distributed to all municipalities and public libraries as well as to all participating agencies and organizations in Wyoming County.

II. Organizational Structure

A. Officers and Elections

The Wyoming County Water Resources Coordinating Committee operates under a set of By-laws established in September 1993 and provides that all members have an equal opportunity to express ideas and view-points. There is an annually elected chairperson and vice-chairperson to conduct the Committee meetings, prepare a meeting agenda, encourage participation, and to keep the group focused on the task at hand. Also,

there is an annually elected secretary to record the meeting minutes and of treasurer to administer funds. Currently, the committee meets four times a year on a quarterly basis.

B. Voting

Each participating organization/ agency designates a primary and alternate voting member to represent the organization. Primary members will vote on motions and in their absence, alternate members will take their place.

C. Meetings

All meetings are held at the Wyoming County USDA service office in Warsaw, New York on the third Thursday every three months. Meetings begin at 10:00A.M., and generally run until noon. Minutes are recorded at every meeting and are distributed to the members of the Committee prior to the next meeting. Meeting minutes are reviewed at each meeting and approved by the Committee members. Committee actions are moved and seconded by members of the Committee. Decisions are made by a majority vote. Our overall approach is to keep meetings relatively informal in order to foster a cooperative atmosphere among the Committee members. Guests are encouraged to participate in the discussions and in the decision making process.

D. Membership

- Wyoming County Coordinating Committee Members - See Appendix A
- WRCC Sub-Committees – See Appendix B
  i. We utilize the core group to assist the chairperson in planning meetings, to evaluate the overall effectiveness of the Committee, to evaluate our progress in implementing and updating the water quality strategy and to oversee the direction of our efforts. We have also utilized several sub-committees to tackle various tasks along the way. Through the use of sub-committees, the full group can remain focused on many topics at once. The following are current sub-committees:

     Core Committee
     Funding/Best Management Practices
     Monitoring and Data Collection
     Information and Education Sub-Committee
     Source Water Protection

E. Organizational Roles

- See Technical Assistance Directory

III. Wyoming County WRCC Priority Waterbodies

A. County Prioritization of Surface Water Bodies

In 1991, the Wyoming County Water Resources Coordinating Committee reviewed the NYS DEC Region 9 Priority Water Problem List and the Wyoming County Nonpoint Source assessment for the purpose of prioritizing water bodies and stream segments in Wyoming County. This list was reviewed and revised by the core committee on October 23, 2003. After much discussion regarding the current status of several of these stream segments and water bodies, the following priorities were set for the Wyoming County Water Resources Coordinating Committee:

Priority #	Water Body Name	Priority Rank
1	Tonawanda	High
2	Silver Lake	High
3	Oatka Creek	High
4	Genesee River (Wyo. Co. Segment)	High
5	East Koy Creek	High
6	Wiscoy Creek	Medium
7	Java Lake	Medium
8	Cattaraugus Creek	Medium
9	Clear Creek	Medium
10	Wolf Creek	Medium
11	Buffalo Creek	Medium
12	Cayuga Creek	Medium
13	Crow Creek/Attica Reservoirs	LOW
14	Lake LaGrange	LOW

It was determined that the high possibility of nonpoint source pollution from agriculture and soil erosion from streambanks and road ditches (as identified in the Priority Waterbody Lists) in the top five watersheds merited their status as high priority watersheds. Much work has been completed along the Wiscoy in order to maintain pristine trout habitat. It was the feeling of the Water Resources Coordinating Committee that it should be given a medium priority. Currently, a watershed management plan initiative is in process. Java Lake will remain at medium status due to concerns septic, erosion runoff, and low dissolved oxygen concentrations.

B. County Prioritization of Groundwater Resources

On October 23, 2003, the Wyoming County Water Resources Coordinating Committee reviewed various groundwater situations. It was decided that the following priorities would remain intact:

Municipal community water supplies	High
Non-Community / Non-Transient (ex. schools) water supplies	High

Individual Water Supplies (personal, private, homewells)	Medium
Non-Municipal Community (ex. Apts., trailer parks)	Medium
Non-Community Transient (ex. restaurants, campgrounds)	Low

The following towns/villages and other areas have significant groundwater concerns. The Wyoming County Water Resources Coordinating Committee has selected the following as High Priorities:

Town of Pike
Village of Arcade
Village of Castile
Village of Wyoming
North Java Water District
Markin Tubing
Letchworth Central School
Village of Silver Springs

C. Other Water Resource Concerns

The Water Resources Coordinating Committee has addressed the following water resource concerns and issues that are considered important to Wyoming County:

- Continue information and educational programs and promote public participation
- Develop and maintain historical and current data on water resources
- Investigate municipal water quantity and usage
- Installation of best management practices on agricultural lands
- Erosion and sediment control on development sites
- Stormwater management and pollution prevention plans
- Investigate failing septic systems, sewage and solid waste issues
- Address illegal dumping and hazardous waste disposal
- Highway practices (salt storage and hydroseeding)
- Discuss local ordinances and enforcement
- Fisheries resources and wildlife conservation protection and habitat restoration
- Streambank protection and restoration
- Groundwater and wellhead protection
- Source Water Assessment Program (SWAP)
- Adequate funding!

IV. Public Participation and Information

The Wyoming County Water Resources Coordinating Committee has made public participation, information, and education a very important component of our water quality strategy. The public outreach efforts of the Committee include news releases, public libraries, radio, public presentations, work with county private and public schools, direct mailings and much more.

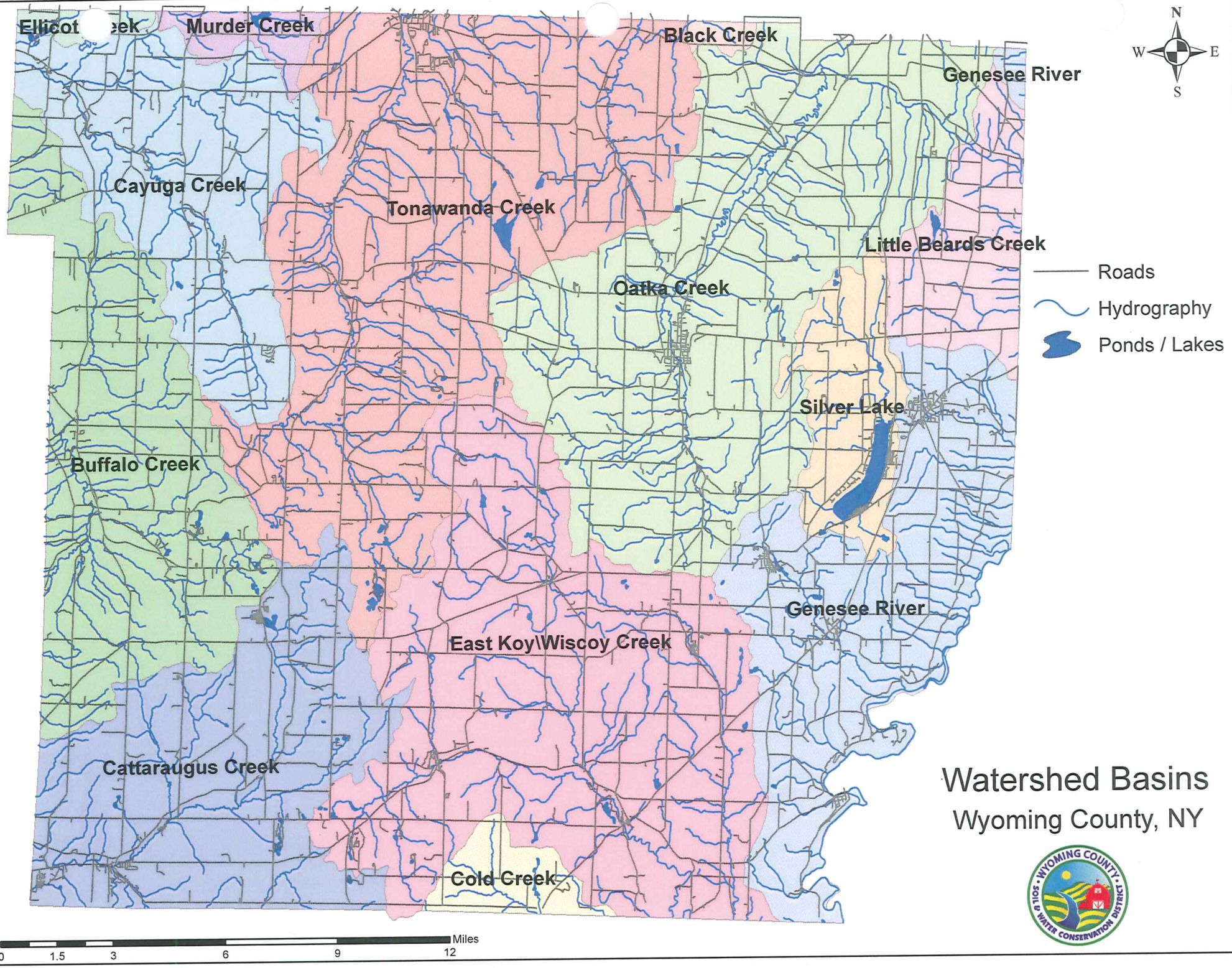
The Wyoming County Water Taste Test sponsored by the Water Resources Coordinating Committee is conducted in conjunction with the Trailside Envirothon

competition. This has provided an opportunity for more public exposure and has put an emphasis on protecting our drinking water supplies. We also work closely with many other organizations such as Letchworth State Park and Cornell Cooperative Extension of Wyoming County to promote environmentally sustainable practices and conservation education.

Objective #2 in our strategy outlines specific actions for our public participation and information program which has been greatly expanded since the first Water Quality Strategy was written in August of 1992.

V. Implementing the Strategy

The role of the Wyoming County Water Resources Coordinating Committee in implementing the Wyoming County Water Quality Strategy will be mainly to promote the public's acceptance of the strategy, to organize the informational and educational component of the strategy, identify and document Wyoming County watershed issues, and be the leader in investigating funding sources for the implementation of the program goals. The Committee will continue to work with the NYS DEC on the verification process for water bodies with nonpoint source pollution problems. We will also continue cooperative partnerships with local agencies, watershed organizations, citizen groups and municipalities in an effort to complete the objectives outlined in this report. The Committee will continue to evaluate the effectiveness of the program and report the progress to the general public and federal, state, and county agencies.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Tonawanda Creek
Little Beards Creek
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Silver Lake
Buffalo Creek
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Watershed Basins
Wyoming County, NY
WYOMING COUNTY SOIL & WATER CONSERVATION DISTRICT

Water Quality Objectives, Goals and Actions

Objective #1 - Coordinate water quality program and water quality endeavors in Wyoming County with all local, state, and federal agencies, private groups and organizations, commercial interests and municipalities as much as possible without duplication of efforts.

Goal #1 - Maintain a water resources coordinating committee in Wyoming County and maximize its effectiveness.

ACTIONS	BY WHOM	WHEN	PROGRESS
1. Annually elect chair, vice chair, secretary and treasurer from the Water Resources Coordinating Committee membership.	WRCC	January	Completed Annually
2. Continue efforts to expand the membership and recruit new view-points and other areas of expertise.	WRCC	On-going	Completed Annually
3. Promote participation from the committee membership.	WRCC	On-going	Completed Annually
4. Provide information on water quality training opportunities to the committee membership.	Chairperson	On-going	As Needed
5. Maintain the sub-committee system to discuss specific topics, issues and goals. Sub-committees will report their findings and/or recommendations back to the full committee.	Chairperson	On-going	Completed Annually
6. Develop list of goals and projects and update on an annual basis.	WRCC	On-going	Completed Annually
7. Continue to evaluate the effectiveness of the coordinating committee.	WRCC	On-going	Completed Annually

Objective #2 - Develop and participate in educational and informational programs to targeted audiences through a coordinated effort by all committee groups and agencies.

Goal #1 - Increase public awareness of the Water Resources Coordinating Committee, its members, roles, responsibilities, and goals.

ACTIONS	BY WHOM	WHEN	PROGRESS
1. Update and distribute a membership roster of each member of the Water Resources Coordinating Committee including names, addresses, and affiliations.	WRCC	Annually	Updated February 2010
2. Maintain a technical assistance directory of groups and public agencies dealing with water resources in Wyoming County.	WRCC	Annually	Updated February 2010
3. Issue follow-up press releases to local media with information on the activities of the Committee.	Secretary	As Needed	
4. Prepare an annual report detailing the activities and progress of the Committee	Secretary	January	Completed Annually
5. Utilize the Wyoming County Soil & Water Conservation District website to disseminate information on the Committee.	Information & Education Sub-Committee	As Needed	

Goal #2 - Develop a public education and information program for Wyoming County and encourage public participation in water quality issues.

ACTIONS	BY WHOM	WHEN	PROGRESS
1. Produce water quality and other presentations specific to the needs and concerns of Wyoming County.	Information & Education Sub-committee	On-going	Developed presentation for Silver Lake and Tonawanda Creek Watersheds

2. Participate in the Wyoming County Drinking Water Taste Contest and Water Week activities.	WRCC	May	Completed Annually at Trailside Envirothon
3. Participate in county wide Water Quality Education Programs such as: Conservation Field Days, Envirothon, and field trips	WRCC	As Needed	Several programs are completed each year
4. Maintain and update a technical reference list of information available on the water bodies included in the Priority Water Problem List.	WRCC	As Information becomes available	Updated March 2010
5. Maintain a list of educational materials available (publications, videos, exhibits, demonstrations, etc.) on general water quality issues, related programs and BMP's.	WRCC	As information becomes available	Updated March 2010
6. Continue to provide water quality information to all Wyoming County schools	Education and Information Committee	Upon Request	

Goal #3 - Develop a database for water quality information on municipal water supplies

ACTIONS	BY WHOM	WHEN	PROGRESS
1. Continue the development of Geographic Information System (GIS) to compile appropriate data on individual municipal water supplies.	SWCD, County ITS, Health Dept.	On-going	In Progress

Goal #4 - Initiate programs and projects to increase the public awareness of how daily activities within a watershed or wellhead area can contribute to the quality of the water.

ACTIONS	BY WHOM	WHEN	PROGRESS
1. Promote public participation in the implementation of BMP's on all land uses within a watershed or wellhead area.	SWCD, NRCS, FSA, Coop. Ext.	On-going	Addressed BMP's in Buffalo, East Koy/Wiscoy, Tonawanda, Oatka, and Cattaraugus Creeks through Ag NPS & EQIP watersheds

2. Promote the awareness of Non Agricultural land use impacts on water quality.	WRCC, NYSDEC	On-going	
3. Assist with educational outreach to Landowners and Agribusiness on CAFO Compliance.	Coop. Ext., WRCC, NYSDEC	On-going	Through AEM Strategy
4. Follow-up erosion and sediment control program for highway departments, municipalities, contractors, etc.	Information & Education Sub-Committee	On-going	
5. Promote storm water management practices to watershed organizations and municipalities.	SWCD	On-going	
6. Complete the storm drain stenciling project.	Information & Education Sub-Committee	Completed 2000	Update as Needed
7. Promote the use of the "New York Standards & Specifications for Erosion & Sediment Control" on developments and construction sites.	SWCD, NRCS	On-going	All municipalities have a copy
8. Participant in programs to properly dispose of hazardous wastes, agricultural pesticides, and household wastes to reduce illegal dumping.	County Planning, GLOW	Annual	GLOW Regional Program - May 2010
9. Conduct a public education program on proper use of lawn care fertilizers and pesticides.	Silver Lake Association	On-going	
10. Work with local municipalities to implement a sediment retention requirement at construction projects when working within a certain distance of the waterbody.	WRCC, NYS DEC, Town Officials		

Objective #3 - Assess and evaluate water quality problems and water resource concerns within Wyoming County.

Goal #1 - Identify specific water quality problem areas and water resource concerns (including groundwater) in Wyoming County and identify needs for implementing a complete management plan.

ACTIONS	BY WHOM	WHEN	PROGRESS
1. Review the NYSDEC Priority Water Problem List for Wyoming County.	WRCC	As information becomes available	Completed Genesee Basin in 2001 and the Erie Niagara Basin in 2002
2. Conduct field visits to high priority watersheds to assess needs.	WRCC	On-going	Completed Annually
3. Address the following treatment measures on high priority watersheds. -Agricultural Best Management Practices -Identify and solve on-site sewage disposal system problems. -Develop a stream bank erosion control program. -Promote pollution prevention practices. -Manage stormwater quality in existing and newly developing urban areas.	WRCC	On-going	
4. Prepare a watershed management and implementation plan for the targeted watersheds.	WRCC	On-going	Oatka, Tonawanda Creeks, and Silver Lake - Watershed Management Plans in Progress

Objective #4 - Identify and pursue sources of funding and other resources available to carry out the Committee's water resource objectives.

Goal #1 - Secure funding for nonpoint source implementation projects in priority watersheds and for wellhead protection projects in groundwater systems.

ACTIONS	BY WHOM	WHEN	PROGRESS
1. Utilize EQIP cost-share funds for eligible projects in the priority watersheds.	SWCD/ NRCS	On-going	
2. Utilize Finger Lakes-Lake Ontario Protection Alliance Program funds through NYS DEC to implement BMP's that improve water quality in priority watersheds.	SWCD	On-going	Currently utilizing 2007-2008 funding. Funding has been used to purchase hydroseeder, Ag BMP's, water monitoring, etc.
3. Utilize NYS Ag NPS Pollution Abatement & Control Program funding for eligible projects in the priority watersheds.	SWCD	April 19, 2010	Rounds 11, 12, 13, 14, 15 are currently in progress. Application has been submitted for approval.
4. Utilize NYS Water Quality Improvement Project funding through NYS DEC	SWCD	When Announced	Submitted Buffalo Creek and Silver Lake Dredging for Round 10 funding
5. Investigate possible funding through the Great Lakes Commission for implementation projects.	Funding/BMP Sub-committee	On-going	
6. Work with local municipalities, citizen groups, watershed organizations and regional planning office for funding assistance with implementation of BMP's in the priority watershed.	WRCC	On-going	

Goal #2 - Secure funding for a comprehensive public education, information and participation program.

ACTIONS	BY WHOM	WHEN	PROGRESS
1. Utilize Finger Lakes-Lake Ontario Protection Alliance Program funds through NYS DEC to implement public educational programs in priority watersheds.	SWCD	On-going	Currently utilizing 2007-2008 funding. Funding has been used to purchase hydroseeder, Ag BMP's, water monitoring, etc.
2. Investigate possible funding through the Great Lakes Commission for information and education programs.	Funding/BMP Sub-committee	When Announced	
3. Include an informational and educational component in any grant application submitted by the Water Resources Coordinating Committee.	WRCC	On-going	
4. Continue to utilize the information and educational capabilities of all Water Resources Coordinating Committee member agencies and organizations.	WRCC	On-going	

Goal #3 - Utilize other resources and in-kind services to implement the Committee's water resources objectives.

ACTIONS	BY WHOM	WHEN	PROGRESS
1. Solicit in-kind assistance from local municipalities in the targeted watersheds.	WRCC	On-going	
2. Utilize the expertise of all Water Resource Coordinating Committee member agencies and organizations as in-kind services.	WRCC	On-going	
3. Work with local colleges and universities for assistance in monitoring, data collection, evaluation of the program, etc.	Monitoring & Data Collection Sub-Committee	On-going	

4. Solicit assistance and in-kind services from town, county, and local highway departments in the targeted watershed for the implementation of BMP's.	WRCC	On-going
5. Solicit assistance and in-kind services from local businesses that have an interest in water resources in the targeted watershed.	WRCC	On-going

Objective #5 - Support activities to address flooding and flood damage remediation throughout Wyoming County

Goal #1 - Identify local, state and federal programs to provide assistance to municipalities and landowners with flood related issues.

ACTIONS	BY WHOM	WHEN	PROGRESS
1. Participate in flood mitigation planning activities with local municipalities.	Co. Planning & Municipalities	On-Going	County Wide All Hazard Mitigation Plan adopted
2. Utilize SEMO & FEMA programs to assist landowners and municipalities with flood damages.	Office of Emergency Services & Municipalities	As Needed	
3. Utilize Emergency Watershed Program (EWP) to assist municipalities with repair of flood damages.	SWCD/NRCS & Municipalities	Available	
4. Assess and evaluate stream channel restoration projects needed throughout the County.	SWCD	On-going	

APPENDIX A

Wyoming County Water Resources Coordinating Committee:

Revised January 2010

- Gregory A. McKurth, District Manager, Wyoming County SWCD (Chair)**
- Bethany Klein, Water Quality Tech Wyoming County SWCD (Secretary)**
- Sharon Boyd, Wyoming County SWCD (Treasurer)*
- Kate Hemstreet, CED, Wyoming County FSA **
- Mia Halter, District Conservationist, NRCS **
- Mike Shaw, Soil Conservation Technician, NRCS*
- John Good, Wyoming County Wildlife Federation **
- Scott Cornett, NYS DEC, Region 9, Fisheries**
- Bill Smythe, NYS DEC, Region 9, Division of Water *
- Pete Broughton, Wyoming County Farm Bureau **
- Brian Fleischman, Wyoming County Tourism Promotion **
- Art Buckley, County Planner, Wyoming County Planning & Development**
- Joe Gozelski, Wyoming County Board of Supervisors**
- Sally Meeder, Wyoming County Board of Supervisors*
- Daryl Heiby, Wyoming County SWCD Director **
- Richard Youngers, Wyoming County SWCD Director*
- Joan Petzen, Cornell Cooperative Extension**
- W. Jerome Smith, Chair, Wyoming County Planning Board (Vice-Chair)**
- Todd Gadd, Sup't, Wyoming County Highway Dept.**
- Lutie Batt, Cornell Cooperative Extension*
- Andy Meyer, Wyoming Environmental Health Dept.**
- Rob Jines, Wyoming County Environmental Health Dept.*
- Anthony Santoro, Wyoming County Emergency Services**
- Bill Soules, Silver Lake Association**
- Chuck Godfrey, WNY Trout Unlimited**
- Gary Coons, WNY Trout Unlimited*
- Brian Slack, Senior Planner – Genesee Finger Lakes Regional Planning Council
- Stanley Klein, Dairy Farmer, Town of Castile, SLWC
- Rick Venverloh, Oatka Creek Watershed Committee
- Mary Kay Barton, Citizen Representative
- Betsy Moll, Java Lake Colony
- Robert Thill, Java Lake Colony
- Owen Eddy, Citizen Representative
- 16 Municipal Water Suppliers in Wyoming County

** Denotes primary voting member (By-laws)

* Denotes alternate voting member

APPENDIX B

Sub-Committees of the Wyoming County WRCC

Revised January 2010

Core Committee:

- Greg McKurth, Wyoming County SWCD*
- Kate Hemstreet, Wyoming County FSA
- Mia Halter, Wyoming County NRCS
- Joan Petzen, Cornell Cooperative Extension
- Jerome Smith, Wyoming County Planning Board

Funding & BMP's Sub-committee:

- Joan Petzen, Cornell Cooperative Extension*
- Greg McKurth, Wyoming County SWCD
- Kate Hemstreet, Wyoming County FSA
- Mia Halter, Wyoming County NRCS

Monitoring & Data Collection Sub-committee:

- Bethany Klein, Wyoming County SWCD*
- Andy Meyer, Wyoming County Environmental Health Dept.
- Scott Cornett, NYS DEC Division of Water
- Bill Soules, Silver Lake Association
- Mike Shaw, NRCS

Information & Education Sub-committee:

- Joan Petzen, Cornell Cooperative Extension
- Mia Halter, Wyoming County NRCS
- Bethany Klein, Wyoming County SWCD*
- Anthony Santoro, Wyoming County Emergency Services
- Todd Gadd, Wyoming County Highway Dept.

Source Water Protection Sub-committee

- Andy Meyer, Wyoming County Environmental Health Dept.*
- Joan Petzen, Cornell Cooperative Extension
- Art Buckley, Planner, Wyoming County Planning
- Scott Cornett, NYS DEC Division of Water
- Greg McKurth, Wyoming County SWCD

*indicates sub-committee chairperson

APPENDIX C

STATUS OF WATER BODIES IN WYOMING COUNTY:

Silver Lake Watershed-

- High priority ranking by the Coordinating Committee.
- High priority according to NYS DEC Region 9 PWP List.
- Use Impaired – verified by NYS DEC Region 9 Division of Water.
- Phase I Diagnostic-Feasibility Study by F.X. Browne Associates, Inc.-December 1991.
- The Committee is working with the Silver Lake watershed Commission, the Silver Lake Cottage owner's Association & the Village of Perry.

Genesee River-

- High priority ranking by the Coordinating Committee.
- Low priority according to NYS DEC Region 9 PWP List.
- Use threatened – needs verification.

Oatka Creek-

- High priority ranking by the Coordinating Committee.
- Medium priority according to NYS DEC Region 9 PWP List.
- Use stressed – needs verification.

East Koy & Wiscoy Creeks-

- Medium priority ranking by the Coordinating Committee.
- Medium/Low priority according to NYS DEC Region 9 PWP List.
- Use stressed – needs verification.

Tonawanda Creek-

- Medium priority ranking by the Coordinating Committee.
- Medium priority according to NYS DEC Region 9 PWP List.
- Use Stressed – needs verification.
- The Committee is working with the Genesee County SWCD & the Tonawanda Creek Watershed Advisory Committee.

Crow Creek/Attica Reservoirs-

- Medium priority ranking by the Coordinating Committee.
- Medium priority according to NYS DEC Region 9 PWP List.
- Use Stressed – verified by NYS DEC Region 9 Division of Water.
- The Wyoming County Soil and Water Conservation District continues to provide technical support to the village of Attica.

Lake LaGrange-

- Medium priority ranking by the Coordinating Committee.
- High priority according to NYS DEC Region 9 PWP List.
- Use Impaired – verified by the Village of LeRoy.
- Water Quality Management Plan for Lakes LeRoy and LaGrange published January 1988.

- The Wyoming County SWCD is working with the Village of LeRoy and the LeRoy Watershed Advisory Committee to solve nonpoint source pollution problems in the watershed. Funding has been obtained by the SWCD through the Finger Lakes Aquatic Vegetation Control Program.

Buffalo Creek-

- Medium priority ranking by the Coordinating Committee.
- High priority according to NYS DEC Region 9 PWP List.
- Use Stressed/Threatened – needs verification.
- Existing watershed remediation & maintenance program through the Erie/Wyoming Joint Board, SCS, NYS DEC, and the U.S. Army Corps of Engineers.

Wolf Creek-

- High priority ranking by the Coordinating Committee.
- Low priority according to NYS DEC Region 9 PWP List.
- Use impaired – verified by NYS DEC Region 9 Division of Water.
- Needs a sewage treatment facility – not economically feasible.

Cayuga Creek-

- High priority ranking by the Coordinating Committee.
- Medium priority according to NYS DEC Region 9 PWP List.
- Use precluded – verified by NYS DEC Region 9 Division of Water.

Java Lake-

- Medium priority ranking by the Coordinating Committee.
- Medium priority according to NYS DEC Region 9 PWP List.
- Use Stressed – needs verification.

Cattaraugus Creek-

- Low priority ranking by the Coordinating Committee.
- Medium priority according to NYS DEC Region 9 PWP List.
- Use Stressed – needs verification.

Clear Creek-

- Low priority ranking by the Coordinating Committee.
- Unranked by the NYS DEC Region 9.

APPENDIX D

WYOMING COUNTY WATER RESOURCES COORDINATING COMMITTEE

BYLAWS

As Revised January 22, 2009

ARTICLE I - NAME

This organization shall be known as the Wyoming County Water Resource Coordinating Committee (WCWRCC).

ARTICLE II - MISSION

The Wyoming County Water Resources Coordinating Committee consists of representatives of many various groups and agencies concerned about the quality and quantity of Wyoming County's surface and ground waters. Our purpose is to help coordinate the efforts of private and commercial groups as well as local, state, federal agencies and municipalities in accomplishing our common goals and objectives through voluntary and rational approaches to maintaining and improving all of our water resources.

ARTICLE III - MEMBERSHIP

Voting members of the committee shall be one representative of each of the following groups and agencies: USDA-Natural Resources Conservation Service of Wyoming County, USDA Farm Services Agency of Wyoming County, Wyoming County SWCD, Wyoming County Farm Bureau, Wyoming County Health Dept., Cornell Cooperative Extension of Wyoming County, Wyoming County Wildlife Federation, Wyoming County Board of Supervisors, Wyoming County Dept. of Economic Development & Planning, Wyoming County Tourist Promotion Agency, Wyoming County Office of Emergency Services, NYS DEC Region 9 Division of Water, Silver Lake Association, and Trout Unlimited.

Advisory and ex-officio members shall include, NYS Soil & Water Conservation Committee, various watershed organizations, municipalities and special interest groups.

Additional groups, organizations, agencies, and individuals may petition *in writing* for membership and voting privileges to the WCWRCC providing their water resource concerns and benefits to the committee are presented. ~~Petitions must be listed on the agenda and presented to the committee at least one regular business meeting prior to a committee vote.~~ New members will be admitted by two-thirds vote of the eligible voting members present.

ARTICLE IV - OFFICERS

Officers of the committee will be Chairman, Vice-Chairman, Secretary and Treasurer to be elected by the voting members at the first regular business meeting of the calendar year.

ARTICLE V - RULES OF ORDER

Robert's Rules of Order shall be used in the absence of a specific article listed here.

ARTICLE VI - EXPENDITURES

Decisions on expenditures shall be by the voting members. Cash expenditures under $100 shall be approved by the Chairman and the Treasurer. Expenditures of $100 or more shall be approved by the voting members.

ARTICLE VII - MEETINGS

Regular monthly meetings of the WCWRCC will be at 10:00 AM on the third Thursday of the month unless otherwise determined by the Chairman or the voting members. All meetings shall be open to the public. An annual meeting will be held at the first meeting of the calendar year. Officers will be elected at this meeting. An annual report will be prepared for presentation at this meeting. All members of the Wyoming County Board of Supervisors will be invited to the annual meeting.

ARTICLE VIII - DISSOLUTION

In the event of the dissolution of the WCWRCC, the residual assets will be turned over to an organization of charity whose goals are compatible with those of the WCWRCC. None of the assets shall be distributed to the benefit of any individual.

APPENDIX E

Buffalo Creek, Upper, and minor tribs (0103-0004) NoKnownImpct

Waterbody Location Information

Revised: 01/27/2005

Water Index No: Ont 158..E- 1*
Hydro Unit Code: 04120103/050 **Str Class:** A
Waterbody Type: River
Waterbody Size: 285.3 Miles
Seg Description: stream and tribs, above East Elma

Drain Basin: Lake Erie-Niagara River
Buffalo/Eighteenmile
Reg/County: 9/Erie Co. (15)
Quad Map: EAST AURORA (J-06-3)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMNT		

Type of Pollutant(s)
Known: - - -
Suspected: - - -
Possible: - - -

Source(s) of Pollutant(s)
Known: - - -
Suspected: - - -
Possible: - - -

Resolution/Management Information

Issue Resolvability: 8 (No Known Use Impairment)
Verification Status: (Not Applicable for Selected RESOLVABILITY)
Lead Agency/Office: n/a
TMDL/303d Status: n/a ()

Resolution Potential:

Further Details

A biological (macroinvertebrate) assessment of Buffalo Creek in Wales Center (at Route 20A) was conducted in 2000. Sampling results indicate non-impacted water quality conditions. The 2000 macroinvertebrate sample was field-assessed as passing screening, and the sample was not laboratory-processed. Siltation has been indicated to be a factor influencing slightly impacted conditions at the Gardenville site. (DEC/DOW, BWAR/SBU, April 2003)

Biological (macroinvertebrate) assessments of two Buffalo Creek tribs were also conducted in 2000. In both Hunter Creek in Wales Center and Sheldon/Hollow Creek near Strykersville sampling results indicate non-impacted water quality conditions. These samples were field-assessed as passing screening criteria, and the sample was not laboratory-processed. (DEC/DOW, BWAR/SBU, April 2003)

Loss of riparian vegetation and stream cover and resulting increases in stream temperature have been cited as concerns by local agencies in the past. Other poor agricultural practices, such as cattle access to the streams, exacerbate streambank erosion and silt/sediment loads. Over the years, many streambank erosion problems have been addressed by installing rip-rap but problems still exist. Operation of on-site septic systems have also been a past concern. (Wyoming County WQCC, 1996)

BUFFALO CREEK 0103-0004

Location Information

Basin:	Lake Erie-Niagra River (01)	**Resolution Potential:**	Medium
Sub-Basin:	Buffalo River (03)		
Seg Type:	River	**Stream Class:**	A
Reg/County:	9/Wyoming (61)	**7Q10 Flow:**	20-150 cfs
USGS Quad:	STRYKERSVILLE (K-07-1)		
Seg Size:	6.0 Miles		
Description:	Segment of Buffalo Creek in Wyoming County		

Problem Information (* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Imparement(s)	Severity	Documentation
Fish Propagation *	Threatened	Poor
Fish Survival	Threatened	Poor
Aesthetics	Threatened	Poor

Type of Pollutant(s)		
Silt (Sediment) *	Pesticides	Nutrients
Thermal Changes		

Source(s) of Pollutant(s)		
Streambank Erosion *	Agriculture	Construction
Urban Runoff	On-site Systems	Roadbank Erosion

Resolvability
Condition Needs Verification

Further Details

USE IMPAIRMENT: The Buffalo Creek is a sediment and nutrient source to the Buffalo River.

Agricultural runoff contributes nutrients and sediment. Also streambank erosion is a major problem along Buffalo Creek. Over the years, many of the erosion problems have been solved by installing rip-rap in the Creek and tributaries, but many streambank problems still exist.

Also, changing land uses in the watershed may further impact the quality of water in Buffalo Creek.

CAYUGA CREEK 0103-0002

Location Information

Basin:	Lake Erie-Niagra River (01)	**Resolution Potential:**	Medium
Sub-Basin:	Buffalo River (03)		
Seg Type:	River	**Stream Class:**	B
Reg/County:	9/Wyoming (61)	**7Q10 Flow:**	< 20 cfs
USGS Quad:	COWLESVILLE (J-07-4)		
Seg Size:	2.0 Miles		
Description:	From east boundary of Cowlesville (H) to 1 mi. west		

Problem Information (* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Imparement(s)	Severity	Documentation
Bathing *	Impaired	Some
Fishing	Threatened	Poor
Fish Propagation	Threatened	Poor
Fish Survival	Threatened	Poor
Aesthetics	Impaired	Some

Type of Pollutant(s)

Pathogens *	Pesticides	Nutrients
Silt (Sediment)	Oxygen Demand	Thermal Changes
Aesthetics		

Source(s) of Pollutant(s)

On-site Systems *	Agriculture	Construction
Streambank Erosion	Roadbank Erosion	

Resolvability

Problems not Amenable

Further Details

Failing septic systems and untreated discharges into storm sewers cause high coliform concentrations and excessive algae preclude bathing use. Low dissolved oxygen levels are also suspected. The source is the Hamlet of Cowlesville.

Another problem in the Cayuga watershed seems to be from agricultural runoff from cropland and farmsteads, although this has not been documented. Erosion from agricultural land, roads and streambanks ass sediment to the stream. Also, changing land uses in the town of Bennington could eventually impact this stream.

Due to naturally high water temperatures, the stream is not managed for fisheries. The physical characteristics of the stream results from extreme flow conditions - small summer flows in a large stream channel flushed by high winter and spring flows.

Source of information: Regional Water

Cattaraugus Cr, Upper, and tribs (0104-0005) Need Verific

Waterbody Location Information

Revised: 01/27/2005

Water Index No: Ont 158..E-23 (portion 5)
Hydro Unit Code: 04120103/010 **Str Class:** C(T)
Waterbody Type: River
Waterbody Size: 191.1 Miles
Seg Description: stream and selected tribs, above Stillman Corners

Drain Basin: Lake Erie-Niagara River
Buffalo/Eighteenmile
Reg/County: 9/Wyoming Co. (61)
Quad Map: SARDINIA (K-06-3)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Fish Consumption	Stressed	Possible

Type of Pollutant(s)
Known: ---
Suspected: PRIORITY ORGANICS (PAHs)
Possible: ---

Source(s) of Pollutant(s)
Known: ---
Suspected: TOX/CONTAM. SEDIMENT
Possible: ---

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 1 (Waterbody Nominated, Problem Not Verified)
Lead Agency/Office: DEC/FWMR
Resolution Potential: Medium
TMDL/303d Status: n/a ()

Further Details

Fish consumption may be affected by elevated PAH levels in the sediment. Possible impacts should be verified, as there are no other indicators of water quality impacts or limits to designated uses.

NYSDEC Rotating Intensive Basin Studies (RIBS) Intensive Network monitoring of Cattaraugus Creek in East Arcade, Wyoming County, (at Route 11) was conducted in 2001. This sampling location is approximately 62 miles above the mouth at Lake Erie and is considered to be a background site generally unimpacted by anthropogenic sources. Sampling of the water column, sediments, and invertebrate tissues was conducted, as well as macroinvertebrate community analysis (see below). Water column sampling revealed no parameters of concern. Toxicity testing of the water column showed no significant mortality or reproductive impacts. Bottom sediment sampling results revealed a PAH (phenantrene) to be exceeding the Probable Effects Level - a level at which adverse impacts are expected. Cadmium and several other PAHs exceed the Threshold Effects level - levels at which adverse impacts occasionally occur. (DEC/DOW, 3WAR/RIBS, January 2005)

A biological (macroinvertebrate) assessment of Cattaraugus Creek in Arcade (at East Arcade Road) was conducted in 2001. Sampling results indicated non-impacted water quality conditions. A diverse fauna of clean water organisms

CATTARAUGUS CREEK 0104-0005

Location Information

Basin:	Lake Erie-Niagra River (01)	**Resolution Potential:**	Medium
Sub-Basin:	Eastern L. Erie (04)		
Seg Type:	River	**Stream Class:**	C(T)
Reg/County:	9/Wyoming (61)	**7Q10 Flow:**	20-150 cfs
USGS Quad:	ARCADE, JOHNSONBURG (K-07-2) (K-07-4)		
Seg Size:	10.0 Miles		
Description:	From outlet of Java Lake to Erie County Line		

Problem Information (* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Imparement(s)	Severity	Documentation
Fishing	Threatened	Some
Fish Propagation *	Threatened	Some
Fish Survival	Threatened	Some
Aesthetics	Threatened	Some

Type of Pollutant(s)

Thermal Changes	Pesticides	Nutrients
Silt (Sediment) *	Oxygen Demand	Aesthetics

Source(s) of Pollutant(s)

Agriculture	Urban Runoff	Resource Extraction
Hydromodification	Streambank Erosion	Roadbank Erosion

Resolvability

Condition Needs Verification

Further Details

USE IMPAIRMENT: Recreational activities and fishery habitat impacted by sediment and thermal changes.

Cattaraugus Creek is one of the major tributaries to Lake Erie. Lake Erie is the shallowest of the Great Lakes and is fragile when it comes to handling large amounts of nutrients and sediments. Efforts have been made to work with agricultural producers to reduce soil erosion and nutrients from entering Cattaraugus Creek.

Severe stream bank erosion within the watershed adds sediment loads to the stream. A U.S. Army Corps of Engineers project stabilized the streambank just upstream of Arcade (V) wwtp in 1994.

Beaver ponds have also been notes as a problem in this stream.

a 1994 macroinvertebrate biological survey found no impact upstream of Arcade at Water Street, and a slight impact with some evidence of siltation downstream of the Arcade STP outfall at North Woods Road. Further downstream, at McKinstry Road Bridge in Sardinia, the stream was judged to be non-impacted, although there was also evidence of siltation. (Bode et al, 1995)

Java Lake (0104-0004) Impaired Seg

Waterbody Location Information

Revised: 05/13/2003

Water Index No: Ont 158..E-23-P152
Hydro Unit Code: 04120103/010 **Str Class:** B
Waterbody Type: Lake
Waterbody Size: 51.1 Acres
Seg Description: entire lake

Drain Basin: Lake Erie-Niagara River Buffalo/Eighteenmile
Reg/County: 9/Wyoming Co. (61)
Quad Map: BLISS (K-07-3)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Public Bathing	Stressed	Possible
Aquatic Life	Stressed	Possible
RECREATION	Impaired	Known
Aesthetics	Stressed	Suspected

Type of Pollutant(s)

Known: ALGAL/WEED GROWTH
Suspected: NUTRIENTS (phosphorus)
Possible: D.O./Oxygen Demand, Pesticides, Pathogens, Silt/Sediment

Source(s) of Pollutant(s)

Known: - - -
Suspected: FAILING ON-SITE SYST, Construction (residential development)
Possible: Agriculture, Streambank Erosion

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 3 (Cause Identified, Source Unknown)
Lead Agency/Office: DOW/Reg9
TMDL/303d Status: 1 (Individual Waterbody Impairment Requiring a TMDL)

Resolution Potential:

Further Details

Recreational use (fishing, boating) in Java Lake is restricted by excessive weed growth and algal blooms in the lake. Public bathing and aesthetics are also considered impacted. Elevated nutrient levels contribute to the weed/algal growth. Residential development and on-site septic systems serving these homes along the lake shore are considered to be sources of nutrient loads and silt/sediment. Agricultural activity in the watershed and shore erosion are additional possible sources.

Java Lake was included in a Citizens Statewide Lake Assessment Program from 1998-1999. Results of this study found elevated phosphorus levels and a use impairment assessment indicating conditions that significantly impact recreation uses during more than 25% of the sampling sessions at the lake. Excessive algae blooms have been measured, and surface weed growth has been reported at the lake. (DEC/DOW, BWM/Lake Services, April 2003)

There are 235 housing units on this private lake with about 35 of these occupied full-time. Originally, this area was

JAVA LAKE 0104-0004

Location Information

Basin:	Lake Erie-Niagra River (01)	**Resolution Potential:**	Medium
Sub-Basin:	Eastern L. Erie(04)		
Seg Type:	Lake	**Stream Class:**	B
Reg/County:	9/Wyoming (61)	**7Q10 Flow:**	N/A
USGS Quad:	JOHNSONBURG (K-07-2)		
Seg Size:	51.0 Acres		
Description:	Entire Lake		

Problem Information (* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Imparement(s)	Severity	Documentation
Bathing*	Stressed	Poor
Fishing	Stressed	Poor
Fish Propagation	Stressed	Poor
Fish Survival	Stressed	Poor
Aesthetics	Stressed	Some

Type of Pollutant(s)

Nutrients *	Pesticides	Silt (Sediment)
Oxygen Demand	Pathogens	Aesthetics

Source(s) of Pollutant(s)

On-site Systems*	Agriculture	Construction
Streambank Erosion	Roadbank Erosion	

Resolvability

Condition Needs Verification

Further Details

USE IMPAIRMENT: Recreation activities on the lake are stressed by weed and algae growth.

This is a private lake that is naturally eutrophic. The most visible and immediate problem is the extensive weed and algae growth in the lake during the summer months. Inflows of nutrients (e.g. phosphorous and nitrate) and sediment are the primary problems. Currently no mechanical weed harvesting is done nor chemicals used.

Currently, there are 235 housing units on the lake with about 35 of these occupied full-time. Originally, this area was developed for seasonal and recreational use but conversion to full-time use is likely to continue. Due to the lack of regulations when many of the houses were built it is suspected that some of the on-site disposal systems are sub-standard and/or failing.

Another continuing problem is that gravel roads on steep slopes on the west side of the lake are prone to erosion during heavy runoff periods adding sediment to the lake.

Agricultural run-off from farms to the north and east of the lake is a suspected contributor to lake pollution problems although no water quality testing or monitoring has been done to confirm this.

East Koy Creek, Lower, and tribs (0403-0020) MinorImpacts

Waterbody Location Information

Revised: 10/23/02

Water Index No: Ont 117-104- 3
Hydro Unit Code: 04130002/150 **Str Class:** C(T)
Waterbody Type: River
Waterbody Size: 31.6 Miles
Seg Description: stream and tribs from mouth to Lamont

Drain Basin: Genesee River
Upper Genesee River
Reg/County: 9/Wyoming Co. (61)
Quad Map: PORTAGEVILLE (K-08-3)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Aquatic Life	Stressed	Known
Habitat/Hydrolgy	Stressed	Suspected

Type of Pollutant(s)
Known: - - -
Suspected: NUTRIENTS, THERMAL CHANGES, Water Level/Flow
Possible: Salts

Source(s) of Pollutant(s)
Known: AGRICULTURE
Suspected: HABITAT MODIFICATION
Possible: Deicing (stor/appl)

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 4 (Source Identified, Strategy Needed)
Lead Agency/Office: ext/WQCC **Resolution Potential:** Medium
TMDL/303d Status: 3 (Waters Requiring Re-Assessment Based on New Methodology)

Further Details

Aquatic life support and fishery habitat in East Koy Creek is impacted by nutrient enrichment and thermal and flow fluctuations in the stream. Agricultural activities in the watershed are the likely source. Impacts from uncovered salt storage piles are also a concern.

A biological (macroinvertebrate) assessment of East Koy Creek in East Koy was conducted in 1999. Sampling results indicated slightly impacted water quality conditions. Filtering caddisflies dominated the sample. Impacts were attributed to nonpoint source nutrient loads and organic wastes. Previous biological sampling in 1993 found similar conditions and evidence of agricultural inputs at various sites. (DEC/DOW, BWAR/SBU, January 2001)

East Koy Creek is known as one of New York's best trout streams, but lack of riparian buffers along the stream and seasonal irrigation usage during occasional dry periods reduce stream flows, elevate temperatures and cause stresses to the fishery. A switch from the use of portable pumps to permanent pump stations (with their own petroleum storage tanks) for irrigation systems pose a risk of spill. Impacts from barnyard, bunk silo and cropland runoff, manure spreading and concentrated dairy operations are also concerns in this agricultural watershed. (Wyoming County WQCC, April 2001)

East Koy Creek, Middle, and tribs (0403-0045) MinorImpacts

Waterbody Location Information

Revised: 02/05/02

Water Index No: Ont 117-104- 3
Hydro Unit Code: 04130002/150 **Str Class:** C(T)
Waterbody Type: River
Waterbody Size: 24.2 Miles
Seg Description: stream and tribs from Lamont to Hermitage

Drain Basin: Genesee River
Upper Genesee River
Reg/County: 9/Wyoming Co. (61)
Quad Map: PIKE (K-08-4)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Aquatic Life	Stressed	Known
Recreation	Stressed	Suspected

Type of Pollutant(s)
Known: - - -
Suspected: NUTRIENTS, SILT/SEDIMENT
Possible: Pathogens

Source(s) of Pollutant(s)
Known: - - -
Suspected: AGRICULTURE
Possible: Streambank Erosion

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 3 (Cause Identified, Source Unknown)
Lead Agency/Office: DOW/Reg9
TMDL/303d Status: (TMDL Not Required (No Impairment))
Resolution Potential: Medium

Further Details

Aquatic life support and recreational uses (fishing, swimming) in this portion of East Koy Creek appears to be slightly impacted. Impacts from agricultural activity is the likely source.

A biological (macroinvertebrate) survey of East Koy Creek at multiple sites between East Koy and Wethersfield Springs was conducted in 1993. Sampling results indicated slightly to moderately impacted quality conditions along the stream. Within this portion of the stream conditions were primarily slightly impacted. Clean-water mayflies, stoneflies and caddisflies were found, but species richness was lower than expected. A site just below Gainesville was heavily dominated by facultative and tolerant midges. Causes for these effects were not apparent. A concurrent fishery survey found appropriate populations in this reach. (East Koy Creek Biological Assessment, Bode etal., DEC/DOW, BWAR/SBU, November 1993)

This segment includes the portion of the stream and all tribs from Route 39 in Lamont to Smith Brook (-14) in Hermitage. The waters of this portion of the stream are Class C(T). Tribs to this reach are Class C and C(T). (May 2001)

EAST KOY CREEK 0403-0020

Location Information

Basin:	Genesee River (04)	**Resolution Potential:**	Medium
Sub-Basin:	Pa. Border to Mt. Morris (03)		
Seg Type:	River	**Stream Class:**	C(T)
Reg/County:	9/Wyoming (61)	**7Q10 Flow:**	< 20 cfs
USGS Quad:	WARSAW/PORTAGEVILLE (K-08-1)		
Seg Size:	12.0 Miles		
Description:	From Hermitage to confluence with Wiscoy Creek		

Problem Information (* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Imparement(s)	Severity	Documentation
Fish Propagation *	Threatened	Some
Fish Survival	Threatened	Some

Type of Pollutant(s)

Thermal Changes *	Pesticides	Nutrients
Silt (Sediment)	Water Level/Flow	Pathogens

Source(s) of Pollutant(s)

Agriculture*

Resolvability

Condition Needs Verification

Further Details

USE IMPAIRMENT: Cold water fisheries stressed for 2 miles near mouth and 1 mile near headwaters from thermal warming from lack of riparian vegetation and water withdrawal for irrigation.

East Koy Creek is known as one of New York's best trout streams although it suffers from seasonal problems. In dry periods, irrigation activities reduce flow and increase temperature. During periods of heavy runoff, agricultural runoff from cropland, barnyards, bunk silos and livestock areas wash into the creek. A majority of the watershed is agricultural land use.

Macroinvertebrate sampling conducted in September 1993 indicated generally good to excellent water quality for this reach with the following exceptions. Slight to moderate impact was indicated upstream of this segment at Wethersfield Springs, with agricultural runoff noted as a probable contributor to the problem. Slight impact was detected downstream of Gainesville at Jordan Road; possible sources include potato fields. Previous impacts from Tributary #4 have been eliminated due to improved management practices at a large dairy farm in the watershed.

Wiscoy Creek, Lower, and minor tribs (0403-0023) MinorImpacts

Waterbody Location Information

Revised: 01/30/02

Water Index No:	Ont 117-104			**Drain Basin:**	Genesee River
Hydro Unit Code:	04130002/150	**Str Class:**	C(T)		Upper Genesee River
Waterbody Type:	River			**Reg/County:**	9/Allegany Co. (2)
Waterbody Size:	46.7 Miles			**Quad Map:**	PORTAGEVILLE (K-08-3)
Seg Description:	stream and smaller tribs fr mouth to Pike Five Corners				

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Aquatic Life	Stressed	Known

Type of Pollutant(s)

Known:	- - -
Suspected:	NUTRIENTS, Salts, Silt/Sediment
Possible:	Water Level/Flow, Thermal Changes

Source(s) of Pollutant(s)

Known:	AGRICULTURE
Suspected:	Streambank Erosion
Possible:	Roadbank Erosion

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 4 (Source Identified, Strategy Needed)
Lead Agency/Office: ext/WQCC
TMDL/303d Status: (TMDL Not Required (No Impairment))
Resolution Potential: Medium

Further Details

Aquatic life support in this reach of Wiscoy Creek is impacted by nutrient enrichment. Agricultural activities in the watershed are the likely source. Impacts from uncovered salt storage piles are also a concern.

A biological (macroinvertebrate) assessment of Wiscoy Creek near the mouth in Rossburg was conducted in 1999. Sampling results indicated slightly impacted water quality conditions. Filtering caddisflies dominated the fauna. Nonpoint source nutrient enrichment was strongly indicated to be the primary factor regarding the impact. (DEC/DOW, BWAR/SWAS, January 2001)

NYSDEC Rotating Intensive Basin Studies (RIBS) monitoring of Wiscoy Creek in Pike (at State Route 19) was conducted in 1999 as part of the Genesee River basin screening and in 2000 as part of the intensive monitoring effort. Overall water quality at this site is very good. The stream supports an abundant and diverse fishery; dominant species in this segment of stream include white sucker and wild brown trout. The overall health of the fish in this segment of stream is good, with no reported abnormalities. Stream habitat is suitable to support fish survival and propagation. There are no restrictions on fish consumption. Macroinvertebrate sampling results indicated non- to slightly impacted water quality. Some siltation is occurring and may affect the faunal composition. DDT, DDE, and DDD were found above levels of concern in the bottom sediments, and DDT was present above the level of concern for invertebrate

Wiscoy Creek, Upper, and tribs (0403-0019) — Threatened

Waterbody Location Information

Revised: 01/30/02

Water Index No: Ont 117-104
Hydro Unit Code: 04130002/150 **Str Class:** C(T)
Waterbody Type: River
Waterbody Size: 63.2 Miles
Seg Description: stream and tribs above Pike Five Corners

Drain Basin: Genesee River
Upper Genesee River
Reg/County: 9/Wyoming Co. (61)
Quad Map: PIKE (K-08-4) ...

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Aquatic Life	Threatened	Known

Type of Pollutant(s)
Known: - - -
Suspected: SALTS
Possible: Water Level/Flow, Nutrients, Thermal Changes

Source(s) of Pollutant(s)
Known: - - -
Suspected: DEICING (STOR/APPL), Agriculture
Possible: - - -

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 4 (Source Identified, Strategy Needed)
Lead Agency/Office: ext/WQCC
TMDL/303d Status: (TMDL Not Required (No Impairment))
Resolution Potential: Medium

Further Details

Aquatic life support in this reach of Wiscoy Creek is listed as threatened due to potential salt storage runoff. Agricultural activities in the watershed are also a concern.

A biological (macroinvertebrate) assessment of Wiscoy Creek in Pike was conducted in 1999. Sampling results indicated non-impacted water quality conditions. The fauna was diverse and well-balanced, with numerous mayflies, stoneflies and caddisflies. Community indices were very high. (DEC/DOW, BWAR/SBU, January 2001)

Wiscoy Creek is known as one of New York's best trout streams. But potential impacts from 2 uncovered salt storage piles in the watershed pose a threat. The Town of Eagle maintains a salt storage facility within 100 feet of the creek east of Bliss. The Town of Pike storage-facility is located on Emory Brook, also within a few hundred feet of the stream. In addition to the salt storage, heavy application on Route 39 is a concern due to the proximity of the stream and the lack of riparian protection. (Wyoming County WQCC, April 2001)

Seasonal irrigation usage during occasional dry period reduces stream flows and elevates temperatures causing stresses to the fishery. A switch from the use of portable pumps to permanent pump stations with their (own petroleum storage tanks) for irrigation systems pose a risk of spill. Impacts from barnyard, bunk silo and cropland runoff, manure

WISCOY CREEK

0403-0019

Location Information

Basin:	Genesee River (04)	**Resolution Potential:**	Medium
Sub-Basin:	Pa. Border to Mt. Morris (03)		
Seg Type:	River	**Stream Class:**	C(T)
Reg/County:	9/Wyoming(61)	**7Q10 Flow:**	20-150 cfs
USGS Quad:	BLISS & PIKE (K-08-4) (K-07-3)		
Seg Size:	9.0 Miles		
Description:	From Hamlet of Bliss to Allegany County line		

Problem Information

(* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Imparement(s)	Severity	Documentation
Fishing	Threatened	Some
Fish Propagation	Threatened	Some
Fish Survival	Threatened	Some

Type of Pollutant(s)

Thermal Changes *	Nutrients	Pesticides
Silt (Sediment)	Water Level/Flow	Pathogens

Source(s) of Pollutant(s)

Agriculture *	Streambank Erosion	Roadbank Erosion

Resolvability

Condition Needs Verification

Further Details

USE IMPAIRMENT: Cold water fisheries is threatened by thermal warming and sedimentation from agricultural sources.

Wiscoy Creek is known as one of New York's best trout streams but it suffers from seasonal problems. During dry periods, irrigation usage cause low stream flows elevating temperatures and stressing trout. During heavy runoff periods, agricultural runoff enters the stream from barnyards, cropland, and livestock areas. The majority land use of the area is agricultural.

Genesee River, Upper, Main Stem (0403-0006) Need Verif

Waterbody Location Information

Revised: 09/20/02

Water Index No:	Ont 117 (portion 6)	**Drain Basin:**	Genesee River
Hydro Unit Code:	04130002/160 **Str Class:** B		Upper Genesee River
Waterbody Type:	River	**Reg/County:**	8/Livingston Co. (26)
Waterbody Size:	18.1 Miles	**Quad Map:**	MOUNT MORRIS (K-09-1) ...
Seg Description:	from Mount Morris Reservoir to Rossburg		

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Aquatic Life	Threatened	Suspected

Type of Pollutant(s)

Known: - - -
Suspected: SILT/SEDIMENT
Possible: - - -

Source(s) of Pollutant(s)

Known: - - -
Suspected: STREAMBANK EROSION
Possible: - - -

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 4 (Source Identified, Strategy Needed)
Lead Agency/Office: ext/WQCC
TMDL/303d Status: (TMDL Not Required (No Impairment))

Resolution Potential: Medium

Further Details

Aquatic life support in this reach of the Genesee River may be threatened by silt and sedimentation. Significant streambank erosion and the resulting high sediment loading and turbidity have been noted in this reach of the Genesee River in the past. However much of the sediment loading is considered to be natural, and related to the steep slopes along the river. Much of this river segment runs through the Letchworth State Park.

This segment is designated Class B from the Mount Morris Reservoir (P110a) to Route 245 in Portageville; and Class C from there to Wiscoy Creek (-104) near Rossburg.

Part of Genesee River Action Plan completed in 2004

GENESEE RIVER

0403-0006

Location Information

Basin:	Genesee River (04)	**Resolution Potential:**	Medium
Sub-Basin:	Pa. Border to Mt. Morris (03)		
Seg Type:	River	**Stream Class:**	B
Reg/County:	8/Livingston(26)	**7Q10 Flow:**	20-150 cfs
USGS Quad:	MT. MORRIS (K-09-1)		
Seg Size:	25.0 Miles		
Description:	From Allegany Co. line to Mt. Morris		

Problem Information (* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Imparement(s)	Severity	Documentation
Fishing *	Threatened	Some
Fish Propagation	Threatened	Some
Fish Survival	Threatened	Some

Type of Pollutant(s)

Silt (Sediment) *

Source(s) of Pollutant(s)

Streambank Erosion*

Resolvability

Technical/Economic/Social Resources Do Not Allow Resolution

Further Details

USE IMPAIRMENT: Severe bank erosion causes extreme turbidity in the river discouraging its use for fishing and threatening fish survival and propagation.

Severe slopes along the river banks erode at an extremely fast rate causing significant sedimentation.

Lake LaGrange (0402-0008)

MinorImpacts

Waterbody Location Information

Revised: 01/30/02

Water Index No: Ont 117- 60-2-P73b
Hydro Unit Code: 04130003/010 **Str Class:** A
Waterbody Type: Lake
Waterbody Size: 51.1 Acres ( )
Seg Description: entire lake

Drain Basin: Genesee River
Lower Genesee River
Reg/County: 9/Wyoming Co. (61)
Quad Map: LEICESTER (J-09-4)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Water Supply	Stressed	Known
Aesthetics	Stressed	Known

Type of Pollutant(s)

Known: ALGAL/WEED GROWTH (algal blooms), NUTRIENTS, Pesticides
Suspected: Silt/Sediment
Possible: Pathogens

Source(s) of Pollutant(s)

Known: AGRICULTURE
Suspected: Streambank Erosion
Possible: Roadbank Erosion

Resolution/Management Information

Issue Resolvability: 3 (Strategy Being Implemented)
Verification Status: 5 (Management Strategy has been Developed)
Lead Agency/Office: ext/WQCC
Resolution Potential: Medium
TMDL/303d Status: 3 (Waters Requiring Re-Assessment Based on New Methodology)

Further Details

Drinking water supply use and aesthetics of Lake LaGrange (a.k.a., Lake LeRoy on USGS map) are impacted by excess periodic, seasonal algal growth. Excessive nutrient loadings, the result of surrounding agricultural activity is the primary source.

In the mid-1980s Lake LaGrange was known to be discolored, foul smelling and foul tasting. The Lake was used for supply only as a last resort. A high concentration of dairy farms along Little Beards Creek and elsewhere in the watershed contributed nutrient runoff from improper manure management and fertilizers use. In the mid-1990s, the Village of LeRoy has conducted extensive study under a 205(j) Grant, including watershed mapping, water quality monitoring, and public education. Agricultural BMP's have been implemented and have successfully reduced weed growth, iron and manganese, and taste, odor, and color complaints. Water treatment costs have also been reduced. Active management of the watershed is still needed. However with these improvements, Lake LaGrange is now considered as the secondary water source for LeRoy. (DEC/DOW, Region 8 and Wyoming County WQCC, April 2001; also noted in NYSDEC Water Bulletin, August 1993)

A recent USGS Report noted the presence of pesticides in the reservoir. (Pesticides/Metabolites in Selected Water

LAKE LAGRANGE

0402-0008

Location Information

Basin:	Genesee River (04)	**Resolution Potential:**	Medium
Sub-Basin:	Mt. Morris to Barge Canal (02)		
Seg Type:	Lake	**Stream Class:**	A
Reg/County:	9/Wyoming(61)	**7Q10 Flow:**	N/A
USGS Quad:	WYOMING & LEICESTER (J-08-3)		
Seg Size:	64.0 Acres		
Description:	Entire Lake		

Problem Information (* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Imparement(s)	Severity	Documentation
Water Supply *	Threatened	Good
Bathing	Threatened	Good
Fishing	Threatened	Good

Type of Pollutant(s)

Nutrients *	Pesticides	Silt (Sediment)
Oxygen Demand	Aesthetics	

Source(s) of Pollutant(s)

Agriculture *	Streambank Erosion	Roadbank Erosion

Resolvability

Strategy Exists; Funds Needed

TMDL Notes

Development Possible, Resource Limitations

Further Details

Lake LaGrange's (AKA Lake LeRoy on USGS map) use as a water supply for the Village of LeRoy was impaired by excessive nutrients. In 1986 Lake LaGrange was found to be discolored, foul smelling and foul tasting. The Lake was used for supply only as a last resort. Excess nutrients in the lake resulted in algae blooms and increased aquatic vegetation. A dairy farm adjacent to Little Beards Creek along with several other farms in the watershed were suspected of contributing greatly to the problem. A high concentration of dairy animals, improper manure management, fertilizers and pesticides in the runoff all contributed to the excessive nutrients. Roadbank erosion was also a concern.

The Village of LeRoy has done extensive studies on this reservoir. Studies included watershed mapping, water quality monitoring, and public education.

Agricultural BMP's have been implemented and have successfully reduced weed growth, iron and maganese, and taste, odor, and color complaints. Water treatment costs have also been reduced. Lake LeRoy (in Genesee County) is the primary water supply for the Village of LeRoy. With improvements to the watershed, Lake LaGrange is now considered as the secondary water source. (Ref. NYSDEC Water Bulletin, August 1993, page 1)
Active management of the watershed is still needed.
Source of Information: Regional Water, County Health Department and Wyoming County SWCD.

Wolf Creek, Upper, and tribs (0403-0003)

MinorImpacts

Waterbody Location Information

Revised: 01/30/02

Water Index No:	Ont 117- 87			**Drain Basin:**	Genesee River
Hydro Unit Code:	04130002/160	**Str Class:**	C		Upper Genesee River
Waterbody Type:	River			**Reg/County:**	9/Wyoming Co. (61)
Waterbody Size:	35.7 Miles			**Quad Map:**	CASTILE (K-08-2)
Seg Description:	stream and tribs above Letchworth State Park				

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Aquatic Life	Stressed	Known
Recreation	Stressed	Known
Aesthetics	Stressed	Known

Type of Pollutant(s)

Known: ALGAL/WEED GROWTH (algal growth, other), SILT/SEDIMENT
Suspected: NUTRIENTS, PATHOGENS, SALTS
Possible: - - -

Source(s) of Pollutant(s)

Known: FAILING ON-SITE SYST (Castile)
Suspected: RESOURCE EXTRACTION (salt mining), Streambank Erosion
Possible: Agriculture, Deicing (stor/appl)

Resolution/Management Information

Issue Resolvability: 2 (Strategy Exists, Needs Funding/Resources)
Verification Status: 5 (Management Strategy has been Developed)
Lead Agency/Office: ext/WQCC
TMDL/303d Status: (TMDL Not Required (No Impairment))

Resolution Potential: Medium

Further Details

Aquatic life support, recreational uses (fishing, swimming) and aesthetics in Wolf Creek are impacted by excessive algal growth and sludge deposits. Failing and/or inadequate on-site septic systems are a suspected source of nutrients and other pollutants. Contamination due to salt mining activities in the area are also a concern.

A biological (macroinvertebrate) assessment of Wolf Creek in Letchworth State Park was conducted in 1999. Sampling results indicated slightly impacted water quality conditions. Although clean-water stoneflies were present, mayflies were scarce and tolerant scuds were numerous. Habitat at the site was very good and should have supported a better invertebrate fauna. Impact Source Determination identified possible municipal/industrial inputs, which are also reflective of failing on-site septic impacts. Very high specific conductance, indicative of salt or sewage wastes, was also noted. High conductance was also noted in a 1993 fisheries survey. (DEC/DOW, BWAR/SBU, January 2001)

The primary pollution source to the creek is failing and/or inadequate on-site septic systems in the Village of Castile. A strategy to address this issue has been developed but the project still needs funding and implementation. On-site systems in the Hamlet of Silver Springs are also a potential concern. Runoff from agricultural activity in the watershed

WOLF CREEK

0403-0003

Location Information

Basin:	Genesee River (04)	**Resolution Potential:**	Medium
Sub-Basin:	Pa. Border to Mt. Morris (03)		
Seg Type:	River	**Stream Class:**	D
Reg/County:	9/Wyoming(61)	**7Q10 Flow:**	<20 cfs
USGS Quad:	CASTILE & PRTAGEVILLE (K-08-2)		
Seg Size:	5.0 Miles		

Description: From Silver Springs (H) south approximately 5 miles

Problem Information (* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Imparement(s)	Severity	Documentation
Fishing	Stressed	Poor
Fish Propagation	Stressed	Poor
Fish Survival	Stressed	Poor
Aesthetics *	Impaired	Good

Type of Pollutant(s)

Aesthetics *	Nutrients	Silt (Sediment)
Salts	Pathogens	

Source(s) of Pollutant(s)

On-site Systems *	Industrial	Resource Extraction
Streambank Erosion	Roadbank Erosion	

Resolvability

Issue Needs Study and Management Plan

TMDL Notes

Problem not Amenable

Further Details

Sludge deposits and excessive algae makes the area aesthetically unpleasant and discourages fishing use. Leaching from soil contaminated with salt stresses the cold water fishery. Low dissolved oxygen and high ammonia, coliform and chloride concentrations are also suspected. Fisheries survey in 1993 showed high conductivity levels (1,500 u moles actual vs. 150 expected). But, trout not significantly impacted.

The primary pollution problem in Wolf Creek appears to be from on-site wastewater systems in the Village of Castile. On-site systems are also a problem in the Hamlet of Silver Springs. Agricultural runoff enters the stream from surrounding cropland.

The watershed has evidence of streambank and roadbank erosion. Salt mining activities have occurred in the area over a long period of time.

Source of information: Regional Water and Fisheries Unit.

Little Beards Creek and tribs (0402-0014)

Need Verific

Waterbody Location Information

Revised: 01/16/02

Water Index No: Ont 117- 60-2
Hydro Unit Code: 04130003/010
Str Class: C
Waterbody Type: River
Waterbody Size: 52.7 Miles
Seg Description: entire stream and tribs

Drain Basin: Genesee River
Lower Genesee River
Reg/County: 8/Livingston Co. (26)
Quad Map: LEICESTER (J-09-4)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Aquatic Life	Stressed	Possible
Recreation	Stressed	Possible

Type of Pollutant(s)
Known: - - -
Suspected: NUTRIENTS, SILT/SEDIMENT, Pathogens
Possible: - - -

Source(s) of Pollutant(s)
Known: - - -
Suspected: AGRICULTURE, STREAMBANK EROSION, Failing On-Site Syst
Possible: - - -

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 1 (Waterbody Nominated, Problem Not Verified)
Lead Agency/Office: DOW/BWAR
TMDL/303d Status: (TMDL Not Required (No Impairment))
Resolution Potential: Medium

Further Details

Aquatic life support and recreational uses may be affected by agricultural activities in the watershed. Silt/sediment loads which disrupt spawning areas of the stream are the primary concern. Lack of riparian vegetative buffers result in streambank erosion. Failing and/or inadequate on-site septic systems have also been suggested as sources of pollutants. (DOW/Region 8, April 2001)

Oatka Creek, Middle, and minor tribs (0402-0041) MinorImpacts

Waterbody Location Information

Revised: 10/15/02

Water Index No:	Ont 117- 25			**Drain Basin:**	Genesee River
Hydro Unit Code:	04130003/070	**Str Class:**	C		Lower Genesee River
Waterbody Type:	River			**Reg/County:**	9/Wyoming Co. (61)
Waterbody Size:	117.1 Miles			**Quad Map:**	STAFFORD (J-08-2) ...
Seg Description:	stream and tribs from Pearl Creek to Warsaw				

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Recreation	Stressed	Suspected
Aesthetics	Stressed	Suspected

Type of Pollutant(s)

Known:	ALGAL/WEED GROWTH (algal growth), NUTRIENTS, SILT/SEDIMENT
Suspected:	Salts
Possible:	Pathogens

Source(s) of Pollutant(s)

Known:	AGRICULTURE, STREAMBANK EROSION
Suspected:	Deicing (stor/appl), Failing On-Site Syst, Urban Runoff
Possible:	- - -

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 4 (Source Identified, Strategy Needed)
Lead Agency/Office: ext/WQCC **Resolution Potential:** Medium
TMDL/303d Status: (TMDL Not Required (No Impairment))

Further Details

Recreational uses in this portion of Oatka Creek are thought to be stressed by slightly elevated nutrient and sediment loads. Agriculture is the dominant land use in the watershed and is the primary source. Other nonpoint sources include streambank erosion, inadequate on-site septic systems and urban runoff in village centers.

A biological (macroinvertebrate) assessment of Oatka Creek was conducted in 1999. Sampling was not conducted within this reach but results at other sites indicated slightly impacted water quality conditions throughout the stream. Some nonpoint source nutrient enrichment and siltation were noted as the primary factors affecting the fauna and the assessment. However these conditions cause no significant impairment to or restriction of aquatic life support in the stream. The creek supports one of the best trout fisheries in the state. (DEC/DOW, BWAR/SBU, January 2001)

Monitoring conducted by Monroe County and USGS has documented elevated levels of nutrients (nitrogen compounds) in lower reaches of the stream (below this segment) in comparison to similar streams in the county. The nutrient levels in conjunction with light penetration in this shallow stream results in significant algal growth in the late spring and summer. Agricultural practices (land spreading of manure) aging on-site septic systems are suspected sources of nutrients. Although no public bathing areas are located along the creek, fishing and other recreational use is high.

Oatka Creek, Middle, and minor tribs (0402-0041) MinorImpacts

Waterbody Location Information

Revised: 10/15/02

Water Index No: Ont 117- 25
Hydro Unit Code: 04130003/070 **Str Class:** C
Waterbody Type: River
Waterbody Size: 117.1 Miles
Seg Description: stream and tribs from Pearl Creek to Warsaw

Drain Basin: Genesee River
Lower Genesee River
Reg/County: 9/Wyoming Co. (61)
Quad Map: STAFFORD (J-08-2) ...

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Recreation	Stressed	Suspected
Aesthetics	Stressed	Suspected

Type of Pollutant(s)

Known: ALGAL/WEED GROWTH (algal growth), NUTRIENTS, SILT/SEDIMENT
Suspected: Salts
Possible: Pathogens

Source(s) of Pollutant(s)

Known: AGRICULTURE, STREAMBANK EROSION
Suspected: Deicing (stor/appl), Failing On-Site Syst, Urban Runoff
Possible: - - -

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 4 (Source Identified, Strategy Needed)
Lead Agency/Office: ext/WQCC
TMDL/303d Status: (TMDL Not Required (No Impairment))

Resolution Potential: Medium

Further Details

Recreational uses in this portion of Oatka Creek are thought to be stressed by slightly elevated nutrient and sediment loads. Agriculture is the dominant land use in the watershed and is the primary source. Other nonpoint sources include streambank erosion, inadequate on-site septic systems and urban runoff in village centers.

A biological (macroinvertebrate) assessment of Oatka Creek was conducted in 1999. Sampling was not conducted within this reach but results at other sites indicated slightly impacted water quality conditions throughout the stream. Some nonpoint source nutrient enrichment and siltation were noted as the primary factors affecting the fauna and the assessment. However these conditions cause no significant impairment to or restriction of aquatic life support in the stream. The creek supports one of the best trout fisheries in the state. (DEC/DOW, BWAR/SBU, January 2001)

Monitoring conducted by Monroe County and USGS has documented elevated levels of nutrients (nitrogen compounds) in lower reaches of the stream (below this segment) in comparison to similar streams in the county. The nutrient levels in conjunction with light penetration in this shallow stream results in significant algal growth in the late spring and summer. Agricultural practices (land spreading of manure) aging on-site septic systems are suspected sources of nutrients. Although no public bathing areas are located along the creek, fishing and other recreational use is high.

Oatka Creek, Upper, and minor tribs (0402-0029) MinorImpacts

Waterbody Location Information

Revised: 10/15/02

Water Index No: Ont 117- 25
Hydro Unit Code: 04130003/070 **Str Class:** C*
Waterbody Type: River
Waterbody Size: 55.8 Miles
Seg Description: stream and tribs above Warsaw

Drain Basin: Genesee River
Lower Genesee River
Reg/County: 9/Wyoming Co. (61)
Quad Map: WARSAW (K-08-1) ...

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Recreation	Stressed	Suspected
Aesthetics	Stressed	Suspected

Type of Pollutant(s)
Known: ALGAL/WEED GROWTH (algal growth), NUTRIENTS, SILT/SEDIMENT
Suspected: Salts
Possible: Pathogens

Source(s) of Pollutant(s)
Known: AGRICULTURE, STREAMBANK EROSION
Suspected: Deicing (stor/appl), Failing On-Site Syst, Urban Runoff
Possible: - - -

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 4 (Source Identified, Strategy Needed)
Lead Agency/Office: ext/WQCC
TMDL/303d Status: (TMDL Not Required (No Impairment))
Resolution Potential: Medium

Further Details

Recreational (fishing, swimming) uses in this portion of Oatka Creek are thought to be stressed by slightly elevated nutrient and sediment loads. Agriculture is the dominant land use in the watershed and is the primary source. Other nonpoint sources include streambank erosion, construction/development, inadequate on-site septic systems and urban runoff in village centers. A small portion of the upper creek provides a drinking water supply to the Village of Warsaw. Monitoring of the water supply indicates no water quality issues.

A biological (macroinvertebrate) assessment of Oatka Creek, including sampling of the creek in Warsaw, was conducted in 1999. Sampling results indicated slightly impacted water quality conditions. Some nonpoint source nutrient enrichment and siltation were noted as the primary factors affecting the fauna and the assessment. However these conditions cause no significant impairment to or restriction of aquatic life support in the stream. The creek supports one of the best trout fisheries in the state. (DEC/DOW, BWAR/SBU, January 2001)

Agricultural practices (land spreading of manure) aging on-site septic systems are suspected sources of nutrients. Although no public bathing areas are located along the creek, fishing and other recreational use is high. Nutrients and possible pathogen contamination from these sources also threatened this use. Other potential sources of pollutants to

OATKA CREEK 0402-0029

Location Information

Basin:	Genesee River (04)	**Resolution Potential:**	Medium
Sub-Basin:	Mt. Morris to Barge Canal (02)		
Seg Type:	River	**Stream Class:**	A,C(T)
Reg/County:	9/Wyoming(61)	**7Q10 Flow:**	20-150 cfs
USGS Quad:	WYOMING (J-08-3)		
Seg Size:	7.0 Miles		
Description:	From source to Wyoming-Genesee County line		

Problem Information (* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Imparement(s)	Severity	Documentation
Water Supply	Threatened	Poor
Bathing *	Stressed	Poor
Fishing	Stressed	Poor
Fish Propagation	Stressed	Poor
Fish Survival	Stressed	Poor
Aesthetics	Stressed	Poor

Type of Pollutant(s)

Silt (Sediment) *	Nutrients	Pesticides
Thermal Changes	Water Level/Flow	

Source(s) of Pollutant(s)

Urban Runoff *	Municipal	Agriculture
Streambank Erosion	Roadbank Erosion	

Resolvability

Condition Needs Verification

Further Details

USE IMPAIRMENT: Aesthetics are impacted by turbidity and storm sewer discharges. Oatka Creek supports a warm water fishery, downstream of Warsaw (V). The primary pollution concern with Oatka Creek is Urban Runoff from the Village of Warsaw. Increased runoff and sediments entering the stream could cause problems in a stream prone to flooding. Overflows from the Warsaw (V) sewage treatment plant are also a problem. The Village is under a DEC Consent Order to upgrade and expand the wwtp as well as rehabilitate the sanitary sewer system. Project is currently in the design stage. Streambank erosion is another factor.

Agricultural runoff is less of a problem due to decreased number of active farms in the watershed. However, cropland erosion and improper manure management still contributes to sediment and nutrients.

Silver Lake (0403-0002)

Impaired Seg

Waterbody Location Information

Revised: 10/28/02

Water Index No: Ont 117- 70-P115
Hydro Unit Code: 04130002/160 **Str Class:** A
Waterbody Type: Lake
Waterbody Size: 812.7 Acres (Eutrophic)
Seg Description: entire lake

Drain Basin: Genesee River
Upper Genesee River
Reg/County: 9/Wyoming Co. (61)
Quad Map: CASTILE (K-08-2)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
WATER SUPPLY	Impaired	Known
Public Bathing	Stressed	Known
Recreation	Stressed	Known
Aesthetics	Stressed	Known

Type of Pollutant(s)

Known: ALGAL/WEED GROWTH (algal growth), NUTRIENTS, Pesticides, Silt/Sediment
Suspected: - - -
Possible: Pathogens

Source(s) of Pollutant(s)

Known: AGRICULTURE, Streambank Erosion
Suspected: Construction
Possible: Failing On-Site Syst

Resolution/Management Information

Issue Resolvability: 2 (Strategy Exists, Needs Funding/Resources)
Verification Status: 5 (Management Strategy has been Developed)
Lead Agency/Office: ext/WQCC
Resolution Potential: Medium
TMDL/303d Status: 3 (Waters Requiring Re-Assessment Based on New Methodology)

Further Details

The drinking water supply as well as public bathing/recreational uses and aesthetics of Silver Lake are impacted by nutrients (phosphorus) and algal growth that reduce clarity. Agricultural activities in the watershed are the primary source of nutrient loads. On-site septic systems are also an issue.

Turbidity (clarity) standards/guidance values are regularly not met in the lake and in finished waters from the drinking water treatment plant. The plant has experienced additional costs in order to meet existing standards; potential new (lower) standards are under consideration and raise concerns about the need for additional filtering. (DEC/DOW, Region 9, April 2001)

CSLAP volunteer monitoring of the lake conducted from 1986 through 1997 has documented elevated phosphorus and algal levels and reduced clarity. During the summer, lake clarity does not meet minimum recommendations (based on recommendations for siting new bathing beaches). Conditions are typical of stressed recreational uses. Although no data is currently available, THM formation may be an issue given the algal densities in the lake. (DEC/DOW,

Silver Lake Outlet, Upper, and tribs (0403-0034) Impaired Se

Waterbody Location Information

Revised: 02/01/02

Water Index No:	Ont 117- 70	**Drain Basin:**	Genesee River
Hydro Unit Code:	04130002/160 **Str Class:** C		Upper Genesee River
Waterbody Type:	River	**Reg/County:**	9/Wyoming Co. (61)
Waterbody Size:	24.3 Miles	**Quad Map:**	CASTILE (K-08-2) ...
Seg Description:	stream and tribs fr Letchworth S.P. border to Silver Lk		

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
AQUATIC LIFE	Impaired	Known
Recreation	Stressed	Suspected

Type of Pollutant(s)

Known: - - -
Suspected: - - -
Possible: OTHER POLLUTANTS (unknown), Nutrients, Unknown Toxicity

Source(s) of Pollutant(s)

Known: - - -
Suspected: MUNICIPAL (Perry WWTP)
Possible: Agriculture

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 2 (Problem Verified, Cause Unknown)
Lead Agency/Office: DOW/BWAR
TMDL/303d Status: (TMDL Not Required (No Impairment))
Resolution Potential: Medium

Further Details

Aquatic life support in Silver Lake Outlet is considered impaired based on a biological assessment of the creek. Recreational uses are also thought to be impacted by the same conditions.

A biological (macroinvertebrate) assessment of Silver Lake Outlet below Perry was conducted in 1999. Sampling results indicated moderately impacted water quality conditions. The invertebrate fauna was heavily dominated by filter-feeding caddisfly larvae and species richness was low. The impact may be partially the result of inputs from the Perry WWTP. Impoundment effects due to the upstream lake may also influence the community. Previous (1995) assessment of this site indicated Slight impacts. (DEC/DOW, BWAR/SBU, January 2001)

This segment includes the portion of Silver Lake Outlet above Letchworth State Park boundary, including Lacy Creek(-3).

SILVER LAKE 0403-0002

Location Information

Basin:	Genesee River (04)	**Resolution Potential:**	Medium
Sub-Basin:	Pa. Border to Mt. Morris (03)		
Seg Type:	Lake	**Stream Class:**	A
Reg/County:	9/Wyoming(61)	**7Q10 Flow:**	N/A
USGS Quad:	CASTILE (K-08-2)		
Seg Size:	102.0 Acres		
Description:	Entire Lake		

Problem Information (* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Imparement(s)	Severity	Documentation
Water Supply	Threatened	Some
Bathing *	Threatened	Some
Fishing	Threatened	Some
Fish Propagation	Threatened	Some
Aesthetics	Threatened	Some
Boating	Threatened	Some

Type of Pollutant(s)

Nutrients *	Pesticides	Silt (Sediment)
Oxygen Demand	Pathogens	

Source(s) of Pollutant(s)

Agriculture *	Urban Runoff	On-site Systems
Streambank Erosion	Roadbank Erosion	

Resolvability

Issue Needs Study and Management Plan

TMDL Notes

Development Possible, Resource Limitations

Further Details

Excessive algal growth impairs the bathing use of the lake due to low clarity. Algal growth is enhanced by excessive nutrients. Agricultural runoff is the primary source of nutrients to the lake. Lake nutrients are also increased due to individual failing septic systems in the Hamlets of Silver Lake and Fairview. However, algae blooms are less of a problem since sanitary sewers were installed in the more densely populated areas around the lake (around 1985).

Agricultural runoff is the primary nonpoint source of nutrients. The lake's watershed is not very large. However, much of the area surrounding the lake is agricultural with high concentrations of dairy animals. Manure management is a concern - spreading on frozen or snow covered ground adjacent to the lake. Croplands around the lake also receives fertilizer, pesticides and herbicides. Soil erosion from cropland adds sediment loads to the lake.

Another source may be the many cottages around the lake. Not all cottages are connected to the lake sewer district and it is suspected that many have sub-standard and failing septic systems. Construction of new residences adds to runoff loads. Cottage owners also use fertilizers, herbicides and pesticides on

lawns bordering the lake as does the local golf course. There is also a large area near the inlet which has sediment and siltation problems from streambank, roadbank, and cropland erosion.
The Wyoming County Soil and Water Conservation District and Water Resources Coordinating Committee are undertaking studies to implement non-point source BMP's. Construction of sediment trap on the lake inlet is one example.

Source of information: Regional Water.

Crow Creek and tribs (0102-0023) NoKnownImpct

Waterbody Location Information

Revised: 05/07/2003

Water Index No: Ont 158-12-46
Hydro Unit Code: 04120104/020 **Str Class:** A
Waterbody Type: River
Waterbody Size: 22.3 Miles
Seg Description: entire stream and tribs

Drain Basin: Lake Erie-Niagara River
Niagara River
Reg/County: 9/Wyoming Co. (61)
Quad Map: ATTICA (J-07-3)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMNT		

Type of Pollutant(s)
Known: - - -
Suspected: - - -
Possible: - - -

Source(s) of Pollutant(s)
Known: - - -
Suspected: - - -
Possible: - - -

Resolution/Management Information

Issue Resolvability: 8 (No Known Use Impairment)
Verification Status: (Not Applicable for Selected RESOLVABILITY)
Lead Agency/Office: n/a
TMDL/303d Status: n/a ()

Resolution Potential:

Further Details

Crow Creek and its three reservoirs serve as the public water supply for the Village of Attica. The village has monitored water quality and no serious problems currently exist.

This segment includes the entire stream and all tribs. The waters of the stream are Class A. Tribs to this reach/segment are also Class A. The Attica Reservoirs (P20, P20a) are listed separately.

CROW CREEK 0102-0023

Location Information

Basin:	Lake Erie-Niagra River (01)	**Resolution Potential:**	Medium
Sub-Basin:	Tonawanda Creek (02)		
Seg Type:	River	**Stream Class:**	A
Reg/County:	9/Wyoming (61)	**7Q10 Flow:**	< 20 cfs
USGS Quad:	Attica, Dale ( )		
Seg Size:	6.0 Miles		
Description:	From mouth at Tonawanda Creek to source (Attica Reservoir)		

Problem Information (* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Imparement(s)	Severity	Documentation
Water Supply *	Threatened	Good
Fishing	Threatened	Poor
Fish Propagation	Threatened	Poor
Fish Survival	Threatened	Poor
Aesthetics	Impaired	Some

Type of Pollutant(s)

Nutrients *	Pesticides	Silt (Sediment)
Salts	Thermal Changes	Water Level/Flow
Aesthetics		

Source(s) of Pollutant(s)

Agriculture*	Silviculture	On-site Systems
De-icing Agents	Streambank Erosion	Roadbank Erosion

Resolvability

Issue Needs Study and Management Plan

Further Details

Crow Creek and its three reservoirs serve as the public water supply for the Village of Attica. The village has monitored water quality and no serious problems currently exist. However, a measure of increased water protection is desired.

The water supply is threatened by agricultural runoff in the watershed, livestock in the stream, and illegal disposal of garbage & animal carcasses. Streambank and roadbank erosion and deicing materials could also be adding to the problem.

Source of info: Wyo. Co. SWCD

Tonawanda Creek, Upper, and minor tribs (0102-0003) Impaired Seg

Waterbody Location Information

Revised: 01/27/2005

Water Index No: Ont 158-12 (portion 4)
Hydro Unit Code: 04120104/020 **Str Class:** A
Waterbody Type: River
Waterbody Size: 254.9 Miles
Seg Description: stream and selected tribs, above Batavia

Drain Basin: Lake Erie-Niagara River
Niagara River
Reg/County: 8/Genesee Co. (19)
Quad Map: BATAVIA SOUTH (J-08-1)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
WATER SUPPLY	Impaired	Known
Aquatic Life	Stressed	Known
Recreation	Stressed	Known

Type of Pollutant(s)

Known: SILT/SEDIMENT, Nutrients
Suspected: D.O./Oxygen Demand, Thermal Changes
Possible: - - -

Source(s) of Pollutant(s)

Known: AGRICULTURE, STREAMBANK EROSION
Suspected: Hydro Modification, Municipal (Attica WWTP), Storm Sewers
Possible: Failing On-Site Syst

Resolution/Management Information

Issue Resolvability: 1 (Needs Verification/Study (see STATUS))
Verification Status: 4 (Source Identified, Strategy Needed)
Lead Agency/Office: DOW/Reg8 **Resolution Potential:** Medium
TMDL/303d Status: 3a (Waterbody Requiring Verification of Impairment)

Further Details

Water supply use in this portion of Tonawanda Creek is impaired by silt/sediment loads, while aquatic life support and recreational uses are affected by nutrient and other nonpoint inputs from streambank erosion, agricultural activities. Impacts due to municipal discharges were also evident. Natural resources (fishery) and hydrologic impacts have also been cited as problems.

The water supply for Batavia is normally withdrawn from Tonawanda Creek. However, during wet weather the creek becomes very turbid and the City then switches to a groundwater well until the creek clears up. Agricultural practices and streambank erosion are the source of the silt/sediment loads. Riparian vegetation has been removed through natural streambank erosion, and has also resulted in a general warming of the stream. DEC Fisheries staff indicate that the stream supports a very limited warm water fishery; but trout are no longer supported. (DEC/DOW and DFWMR, Region 8, April 2003)

NYSDEC Rotating Intensive Basin Studies (RIBS) Intensive Network monitoring of Tonawanda Creek in Earls,

Wyoming County, (at Eck Road) was conducted in 2001. This sampling location is approximately 95 miles above the confluence of the creek and the Erie Barge Canal and is considered a background site. Sampling of the water column, sediments, and invertebrate tissues was conducted, as well as macroinvertebrate community analysis (see below). The only identified parameter of concern is iron, which is considered to be naturally occurring and not a source of water quality impacts. Toxicity testing of the water column showed not significant mortality or reproductive impacts. Bottom sediment sampling results revealed one PAH (dibenzo(a,h)anthracene) to be the only substance to exceed the Threshold Effects level - levels at which adverse impacts occasionally occur. (DEC/DOW, BWAR/RIBS, January 2005)

Biological (macroinvertebrate) assessments of Tonawanda Creek were conducted in Attica (at Stroh Road) in 2000 and in Earls (at Eck Road) in 2000 and 2001. At both sites, water quality was assessed as slightly impacted. Organic wastes were identified as the cause of the impact below Attica. This impact is likely a result of the Attica (V) WWTP discharge. In Earls the cause was determined to be a result of nutrient enrichment. A 1992 macroinvertebrate survey found water quality upstream of the Batavia STP to be slightly impacted; nonpoint nutrient sources were the likely cause of the impact. (DEC/DOW, RIBS/SBU, April 2003)

Sand/salt storage and application, and storm sewer discharges to the creek have also been identified by local/county agencies as contributing to water quality problems. Log and debris cause jams in the creek and frequently results in flooding. A flood control project to control peak flows is being planned. (Genesee County WQCC/SWCD, May 2002)

This segment is included on Part 3a (needing verification of impairment) of the NYS 2004 Section 303(d) List of Impaired Waters.

This segment includes the portion of the stream and selected/smaller tribs above the water supply dam in Batavia. The waters of the stream are Class A. Tribs to this reach/segment, including Perry Brook (-78), are primarily Class A, A(T),A(TS). Tannery Brook (-41), Crow Creek (-46), Stony Brook (-66) and East Fork (-77) are listed separately.

2006 - WYOMING COUNTY STARTED THE TONAWANDA CREEK TASK FORCE TO ADDRESS WATER QUALITY ISSUES

TONAWANDA CREEK 0102-0011

Location Information

Basin:	Lake Erie-Niagra River (01)	**Resolution Potential:**	Medium
Sub-Basin:	Tonawanda Creek (02)		
Seg Type:	River	**Stream Class:**	A
Reg/County:	9/Wyoming (61)	**7Q10 Flow:**	20-150cfs
USGS Quad:	ATTICA, JOHNSONBURG ( )		
Seg Size:	18.0 miles		
Description:	From Faun Lake to Genesee Co. line.		

Problem Information (* indicates the PRIMARY Use Impairment/Pollutant/Source)

Use Imparement(s)	Severity	Documentation
Bathing	Stressed	Poor
Fishing	Stressed	Poor
Fish Propagation	Stressed	Poor
Fish Survival	Stressed	Poor
Aesthetics	Threatened	Poor

Type of Pollutant(s)

Silt (Sediment) *	Nutrients	Pesticides
Thermal Changes	Pathogens	Salts

Source(s) of Pollutant(s)

Streambank Erosion *	On-site Systems	Agriculture
Construction	Urban Runoff	Illegal Dumping
Roadbank Erosion		

Resolvability

Condition Needs Verification

Further Details

USE IMPAIRMENT: Trout fishery is stressed in main stem from sediment deposits and thermal changes.

Faun Lake Association is a private development for seasonal parking of trailers and recreational vehicles. The area is located at the source of the Tonawanda Creek, and recently has become more of a permanent residential area. There is no septic system to handle wastewater from these trailers, RV's or private residences.

Tonawanda Creek also has some severe streambank erosion problems which add sediment and turbidity to the stream. Agricultural runoff contains nutrients and sediments which add to the problem. Tonawanda Creek passes through several small communities which have no central septic systems or waste treatment facilities. There is a possibility of failing septic systems leaching into the creek.

Faun Lake at the source of Tonawanda Creek is showing signs of stress on recreational activities from aquatic vegetation.

East Fork and tribs (0102-0042) NoKnownImpct

Waterbody Location Information

Revised: 05/07/2003

Water Index No: Ont 158-12-77
Hydro Unit Code: 04120104/020 **Str Class:** A
Waterbody Type: River
Waterbody Size: 49.3 Miles
Seg Description: entire stream and tribs

Drain Basin: Lake Erie-Niagara River
Niagara River
Reg/County: 9/Wyoming Co. (61)
Quad Map: JOHNSONBURG (K-07-2)

Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMNT		

Type of Pollutant(s)
Known: - - -
Suspected: - - -
Possible: - - -

Source(s) of Pollutant(s)
Known: - - -
Suspected: - - -
Possible: - - -

Resolution/Management Information

Issue Resolvability: 8 (No Known Use Impairment)
Verification Status: (Not Applicable for Selected RESOLVABILITY)
Lead Agency/Office: n/a
TMDL/303d Status: n/a ()

Resolution Potential:

Further Details

A biological (macroinvertebrate) assessment of East Fork of Tonawanda Creek in Johnsonburg (at Route 98) was conducted in 2000. Sampling results indicated non-impacted water quality conditions. The fauna was dominated by clean-water mayflies and caddisflies. (DEC/DOW, BWAR/SBU, April 2003)

This segment includes the entire stream and all tribs. The waters of the stream are Class A from the mouth to Engine Creek (-2), and Class A(TS) for the remainder of the reach. Tribs to this reach/segment, including Engine Creek (-2), are Class A, A(T), A(TS).

The 1996 Priority Waterbodies List for The Genesee River Basin

including a portion of the Western and Central Lake Ontario Watershed

Wyoming County

0403-0020	EAST KOY CREEK
0403-0006	GENESEE RIVER
0402-0008	LAKE LAGRANGE
0402-0029	OATKA CREEK
0403-0002	SILVER LAKE
0403-0019	WISCOY CREEK
0403-0003	WOLF CREEK

APPENDIX F

Community Water Systems: Water Systems that serve the same people year-round (e.g. in homes or businesses).

Water System Name	Population Served	Primary Water Source Type	Water System ID
ARCADE VALLEY ESTATES	450	Purch_groundwater	NY6030013
ARCADE VILLAGE	2400	Groundwater	NY6000608
ATTICA CORRECTIONAL	2000	Purch_surface_water	NY6030008
ATTICA VILLAGE	2700	Surface_water	NY6000607
BLISS WATER SUPPLY	250	Groundwater	NY6000609
BUFFALO HILLS MHP	100	Groundwater	NY6012850
CASTILE VILLAGE	1135	Groundwater	NY6000610
COWLESVILLE WATER DISTRICT	375	Purch_surface_water	NY6030016
GARDEAU WATER DISTRICT	60	Purch_surface_water	NY6000611
HIGHLAND GLENS SUBDIVISION	160	Groundwater	NY6000621
HILLTOP ACRES MHP	140	Groundwater	NY6000765
NORTH JAVA WATER DISTRICT	270	Groundwater	NY6000612
PERRY CENTER WATER DISTRICT	250	Purch_surface_water	NY6000614
PERRY VILLAGE	3945	Surface_water	NY6000613
PIKE VILLAGE	369	Groundwater	NY6000615
SILVER LAKE INSTITUTE - CASTILE WD #1	440	Purch_surface_water	NY6011605
SILVER SPRINGS VILLAGE	850	Groundwater	NY6000616
TRITON VALLEY ESTATES MHP	50	Groundwater	NY6000763
VARYSBURG WATER DISTRICT #1	310	Groundwater	NY6000617
WARSAW TOWN WATER DISTRICT	185	Purch_surface_water	NY6000619
WARSAW VILLAGE	3850	Surface_water	NY6000618
WYOMING CORRECTIONAL	1600	Purch_surface_water	NY6030009
WYOMING VILLAGE	500	Groundwater	NY6000620

Community Water Systems population under 25

HERMITAGE MEADOWS	Groundwater	NY 6000764
HOLLEY HILL APARTMENTS	Groundwater	NY 6023022
LETCHWORTH PINES MHP	Groundwater	NY 6012868
OPEN GATE MHP	Groundwater	NY 6000767
TOWNHOUSE MANOR	Groundwater	NY 6012917
WESTLAKE APARTMENTS	Groundwater	NY 6012918

Non-Transient Non-Community Water Systems: Water Systems that serve the same people, but not year-round (e.g. schools that have their own water system).

Water System Name	Population Served	Primary Water Source Type	Water System ID
BEAVER HOLLOW CONF. CENTER	45	Groundwater	NY6012849
FAUN LAKE ASSOCIATION INC	300	Groundwater	NY6018177
LETCHWORTH CENTRAL SCH DIST #1	1401	Groundwater	NY6012869
LETCHWORTH STATE PARK - ADMINISTRATION	1050	Groundwater	NY6011828
MARKIN TUBING	130	Groundwater	NY6030012
WYOMING CENTRAL SCHOOL	265	Groundwater	NY6021988

Transient Non-Community Water Systems: Water Systems that do not consistently serve the same people (e.g. rest stops, campgrounds, gas stations).

Water System Name	Water System ID
ARCADE CENTER FARM	NY6050023
ARROWWOOD GOLF	NY6010128
ARTHUR HOUGH CAMP	NY6012856
BEAVER MEADOW AUDUBON	NY6030020
BEAVER MEADOW FAM CAMP HIGH MEADOW	NY6011922
BEAVER MEADOW FAM CAMP STAFF ROW	NY6011923
BEAVER MEADOW FAMILY CAMP HILLCREST	NY6011924
BENNINGTON BAR AND GRILL	NY6010033
BENNINGTON PARK CAMP	NY6011935
BIDE-A-BIT CAMPGROUNDS	NY6011926
BIDE-A-BIT SPRING	NY6011906
BLISS SUMMIT BIBLE CLUB CAMP	NY6018805
BREEZY HILL PARTY HOUSE	NY6010114
BUFFALO HILLS CAMPGROUND	NY6011936
BYRNCLIFF BROOKVIEW	NY6010117
BYRNCLIFF COUNTRY CLUB	NY6010115
BYRNCLIFF FAIRFIELD	NY6010116
COLONIAL MOTEL	NY6012852
COVENANT ACRES CEDAR	NY6020484
COVENANT ACRES SHOWER BUILDING	NY6020486
COVENANT ACRES TAMARACK	NY6020485
D[illegible]Y DISH	NY6010042
L[illegible]AM LAKE CAMPGROUND	NY6011933
EJS COUNTRY STORE	NY6050021
FIT STOP	NY6010126
FLIPSIDE	NY6010039
FOUR WINDS CAMPGROUNDS	NY6018394
GAINESVILLE STORE	NY6050015
GLOSSERS SOFT SERVE	NY6030015
GOLDENROD CAMPGROUND	NY6011927
GOOD 2 GO	NY6010127
HICKORY HILL CAMP	NY6012855
HIGH ROLLER SKATING RINK	NY6018917
HILLSIDE INN	NY6019876
HOGANS FOOD MARKET	NY6050016
IRONWOOD GOLF COURSE	NY6010130
JASONS ROADSIDE BBQ AND PIZZA	NY6010122
JELLYSTONE PARK OF WNY CAMPGROUND	NY6017063
KEITHS CITGO FOOD MART	NY6050017
KENLEE HAVEN	NY6012262
LAKESIDE PUB AND BISTRO	NY6010031
LANTZS BULK FOODS	NY6010125
LETCHWORTH STATE PARK - LOWER FALLS	NY6012871
LETCHWORTH STATE PARK - MIDL FLS/JEMISON	NY6011822
MOCKINGBIRD PARK	NY6011930
MOCKINGBIRD PARK OFFICE	NY6011931
F[illegible]CH LANDING	NY6010032
G[illegible]ET TIMES GOLF COURSE	NY6022393

RANCHERS CHOICE	NY6012848
[illegible]D EBERSTEIN	NY6019078
RED APPLE-KWIK FILL 0855	NY6050020
ROLLING ACRES CAMPGROUND	NY6011929
SAM WOOD CAMP	NY6012858
SCHOELLKOPF CAMP	NY6012859
SILVER LAKE STATE PARK	NY6030014
SILVER LAKE WATERFRONT CAMPGROUND	NY6011934
SILVER SPRINGS RACING	NY6030002
SMOKEYS BAR & GRILL	NY6010123
SPRUCELANDS BOYS HILL	NY6012880
SPRUCELANDS GIRLS	NY6012861
SPRUCELANDS LODGE	NY6012860
STRYKERSVILLE AMERICAN LEGION	NY6030004
THEOS PIZZA SUB FAMILY RESTAURANT	NY6019902
VASILES CATERING	NY6010043
VILLAGE PUB	NY6010040
WENDLANDS EAGLE INN	NY6017081
WOODSTREAM CAMP JORDAN ROAD	NY6011937
WOODSTREAM CAMPSITE	NY6011932
WYOMING COUNTY INTERNATIONAL SPEEDWAY	NY6022395
WYOMOCO 4 H CAMP	NY6012864
YMCA CAMP WEONA IROQUOIS	NY6012873
YMCA CAMP WEONA KITCHEN	NY6012874
YMCA CAMP WEONA LODGE	NY6012863
[illegible]CA CAMP WEONA TWIN PINES	NY6012872
[illegible]A WEONA PLAINS	NY6012870

Most of the this data was taken from the website below
Last updated on Thursday, January 21st, 2010.
http://oaspub.epa.gov/enviro/sdw_form_v2.create_page?state_abbr=NY

Wyoming County

Technical Assistance Directory

Wyoming County Technical Assistance Directory

Table of Contents

SERVICE	DOH	SWCD	NRCS	FSA	CCE	NYS DEC	P&D	FB	WF	OES	NYS SWCC
Field Inspections	X	X	X		X	X				X	X
Funding		X	X	X		X	X				X
Testing/Sampling	X	X				X					
Education	X	X	X	X	X	X	X	X	X	X	X
Technical Reference Materials	X	X	X		X	X	X		X	X	X
Data Management		X				X					
Technical Information	X	X	X		X		X				X
Regulatory & Code Enforcement	X					X					
County Agency or Group	X	X			X		X	X	X	X	
State Agency						X					X
Federal Agency			X	X							

DOH - Wyoming County Dept. of Health
SWCD - Wyoming County Soil & Water Conservation District
NRCS - Natural Resources Conservation Service
FSA - Farm Service Agency
CCE - Cornell Cooperative Extension
NYSDEC - New York State Department of Environmental Conservation
P&D - Wyoming County Planning and Development
FB - Wyoming County Farm Bureau
WF - Wyoming County Wildlife Federation
OES - Wyoming County Office of Emergency Services
NYSSWCC - New York State Soil and Water Conservation Committee

COUNTY AGENCIES AND ORGANIZATIONS

NAME	**CORNELL COOPERATIVE EXTENSION OF WYOMING COUNTY**
ADDRESS	401 North Main St. Warsaw, NY 14569
TELEPHONE	(585) 786-2251 Joan Petzen, Executive Director Lutie Batt, Agricultural Program Educator

SUMMARY OF SERVICES

Programs include, consulting, meetings, workshops, tours, newsletters, Farm News Magazine, Cornell Recommendations, Integrated Pest Management. Information bulletins in the area of dairy, livestock, field crops, farm business management, vegetable production, fruit production, commercial horticulture, maple production, forestry, Christmas trees, beekeeping, horses, poultry, marketing, water quality, nutrient management, soil testing, gardening, and home grounds.

ELIGIBILITY	Open to All
HOURS	Monday-Friday, 8:30 AM – 4:30 PM
FEES	Annual enrollment fee of $26. Some activities involve fees.
AREA SERVED	Wyoming County

NAME	**WYOMING COUNTY OFFICE OF EMERGENCY SERVICES**
ADDRESS	143 North Main St. Warsaw, NY 14569
TELEPHONE	(585) 786-8866 Anthony Santoro, Director of Fire and Emergency Management

SUMMARY OF SERVICES

Provides technical assistance in areas of water emergencies that affect consumable water by the public. Can obtain equipment such as pumps, pipe filters, and tanks that can be used to augment contaminated systems. Responds to emergency situations with attempts to control spills and works with state and federal government making sure clean-up is accomplished.

ELIGIBILITY	Open to All
FEES	None
AREA SERVED	Wyoming County

NAME **WYOMING COUNTY DEPARTMENT OF PLANNING AND DEVELOPMENT**
ADDRESS 6470 Rte. 20A, Suite 4
Perry, NY 14530
TELEPHONE (585) 237-4110
Drew Shapiro, Director
Arthur Buckley, County Planner

SUMMARY OF SERVICES
Reviews certain development applications and proposed zoning changes. Serves in an advisory capacity to the County Board of Supervisors. Available to work with county departments as well as town/villages in the evaluation of needs and problems, the development of plans, and the implementation of priority projects.
HOURS Monday – Friday, 9:00 AM – 5:00 PM
FEES None
AREA SERVED Wyoming County

NAME **WYOMING COUNTY FARM BUREAU**
ADDRESS Liberty St.
Batavia, NY 14020
TELEPHONE (585) 343-3489
Neal Cox, President

SUMMARY OF SERVICES
Volunteer membership group formulating grassroot policies, develop issues concerning farmers. Legislative policy making organization. Advocates for legislature through system of county, state, and federal government. Members are eligible for insurance and tax services. Regular members are farmers with majority of income from farming. Associate members join for interest in farming policies and available services.
ELIGIBILITY Membership, farmer or interest in farming
HOURS Monday – Thursday, 9:00 AM – 4:00 PM
AREA SERVED Wyoming County Farm Bureau is a member of State and Federal Bureaus.

NAME **WYOMING COUNTY WILDLIFE FEDERATION INC.**
ADDRESS 2072 Simmons Corners Rd.
Perry, NY 14530
TELEPHONE
John Good, President

SUMMARY OF SERVICES
Activities – wildlife management issues, habitat monitoring and development, fish stocking program (walleyes, Silver Lake), other environmental issues.
ELIGIBILITY Open to the public
HOURS Meet the 3rd Thursday evening of month (except December)

NAME **WYOMING COUNTY HEALTH DEPARTMENT**
ADDRESS 5362 Mungers Mill Rd.
Silver Springs, NY 14550
TELEPHONE (585) 786-8894
Gregory Collins, Commissioner of Public Health/ Medical Director
Steve Perkins, Director of Environmental Health
Andy Meyer, Public Health Sanitarian

SUMMARY OF SERVICES
Public, community, and non-community water system surveillance, private water and sewage, mobile home park, hotel, motel, restaurant, beach inspection, migrant camp, campground and children's camp monitoring, animal bites, nuisance complaints, and public health related plan review.
ELIGIBILITY Wyoming County Residents
HOURS Monday-Friday, 8:00 AM – 5:00 PM
AREA SERVED Wyoming County

NAME	**WYOMING COUNTY SOIL & WATER CONSERVATION DISTRICT**
ADDRESS	31 Duncan St. Warsaw, NY 14569
TELEPHONE	(585) 786-5070 Gregory A. McKurth, District Manager Bethany Klein, Water Quality Technician

SUMMARY OF SERVICES

Develops and carries out programs for conservation of soil, water, and related natural resources. Provides technical assistance for problems related to soil erosion, water quality, drainage, flood control. Provide site evaluations to residents, landowners, and units of government. Progress includes conservation education, tree and shrub sale, mined land reclamation.

ELIGIBILITY	Open to Public
HOURS	Monday – Friday, 8:00 AM – 4:30 PM
FEES	Fees charged for some programs – call for information
AREA SERVED	Wyoming County

FEDERAL AGENCIES

NAME	**FARM SERVICE AGENCY**
ADDRESS	31 Duncan St. Warsaw, NY 14569
TELEPHONE	(585) 786-3118 Kate Hemstreet, County Executive Director

SUMMARY OF SERVICES

Farmer elected committee works with community to assess conservation problems and determine solutions. Fosters wise use of agricultural resources, environmental protection, and forest development. Enhances wildlife habitat and provides emergency disaster assistance. Provide cost sharing and technical assistance.

ELIGIBILITY	Agricultural producers
HOURS	Monday – Friday, 8:00 AM – 4:30 PM
FEES	Usually none
AREA SERVED	Wyoming County

NAME	**NATURAL RESOURCE CONSERVATION SERVICE (USDA)**
ADDRESS	31 Duncan St. Warsaw, NY 14569
TELEPHONE	(585) 786-5070 Mia Halter, District Conservationist Mike Shaw, Soil Conservation Technician

SUMMARY OF SERVICES

Provides technical assistance to individuals, groups, organizations, and all local, state, and federal agencies in the wise use of our soil, water and other natural resources. Financial assistance may be available in cases such as WRP, WHIP, and others. Services include, but not limited to: conservation planning, erosion control, ag waste management and pollution control, drainage, land use recommendations, soil survey information, etc.

ELIGIBILITY	Open to Public
HOURS	Monday – Friday, 8:00 AM – 4:30 PM
FEES	None
AREA SERVED	Wyoming County

NAME **U.S. ARMY CORPS OF ENGINEERS – BUFFALO DISTRICT**
ADDRESS 1776 Washington St.
Buffalo, NY 14203
TELEPHONE (716) 879-4211 OR (716) 879-4313
Diane Radon, Biologist

SUMMARY OF SERVICES
Regulatory agency, monitors, maintains, and regulates waterways and wetlands.
FEES Some services/ permit fee based
AREA SERVED Lake Erie and Lake Ontario drainage basins

STATE AGENCIES AND ORGANIZATIONS

NAME **NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION – REGION 9 MAIN OFFICE**
ADDRESS 270 Michigan Ave.
Buffalo, NY 14203
TELEPHONE (716) 851-7200
Abby Snyder, Director

SUMMARY OF SERVICES
Fisheries, wildlife, lands and forests, real property, mineral resources, hunting and fishing licenses.
HOURS License window hours – Monday-Friday, 8:30 AM – 4:30 AM
AREA SERVED Cattaraugus, Chautauqua, Allegany, Erie, Niagara, and Wyoming Counties

NAME **NYS DEC REGION 9 – ALLEGANY SUB-OFFICE**
ADDRESS 182 East Union Street
Allegany, NY 14706
TELEPHONE (716) 372-0645
Scott Cornett, Division of Fisheries

NAME **NYS DEC REGION 9 – DIVISION OF WATER**
ADDRESS 270 Michigan Ave.
Buffalo, NY 14203
TELEPHONE (716) 851-7070
Bill Smythe, Environmental Engineer

NAME **NYS DEC REGION 9 – FORESTRY**
ADDRESS 270 Michigan Ave.
Buffalo, NY 14203
TELEPHONE (716) 851-7070
Patrick Marren, Forester

SUMMARY OF SERVICES
To encourage private forest landowners to apply sound forest management practices in their woodlands. Assistance includes written forest management plans, advise on tree planting, care of immature stands, marking trees for harvest, and timber marketing.
ELIGIBILITY Owner of more than 5 acres of land
HOURS Monday – Friday, 8:30 AM – 4:45 PM
FEES Initial visit is free. A charge for tree marking, $8.00 - $14.00 per acre.
AREA SERVED Erie, Niagara, and Wyoming Counties

NAME **NYS SOIL AND WATER CONSERVATION COMMITTEE**
ADDRESS 1 Winner Circle
Albany, NY 12235
TELEPHONE (518) 457-3738
Michael Latham, Executive Director
Lauren Prezorski, Water Quality Specialist, Sr. Environmental Analyst

SUMMARY OF SERVICES
Assistance to local Soil & Water Conservation Districts with program development, training, budget preparation, and formation of county water quality strategies.

NAME **SEA GRANT EXTENSION**
ADDRESS The College at Brockport
350 New Campus Dr.
Brockport, NY 14420
TELEPHONE (585) 395-2638

SUMMARY OF SERVICES
Fisheries, aquatic ecology, zebra mussel information, clearing house for same.
HOURS Monday – Friday
FEES Fees for some services

NAME **SUNY BROCKPORT - ENVIRONMENTAL SCIENCE & BIOLOGY DEPARTMENT**
ADDRESS Lennon Hall
350 New Campus Dr.
Brockport, NY 14420
TELEPHONE (585) 395-5975
James Haynes, Professor and Chair (585) 395-5783
Joseph Makarewicz, Professor (585) 395-5747

SUMMARY OF SERVICES
Laboratory testing, fisheries, aquatic ecology, limnological information and courses.
HOURS Monday – Friday, hours vary
FEES Some services are fee based

NAME **WATER RESOURCES BOARD – FL/LOWPA**
ADDRESS 309 Lake Avenue
Penn Yan, NY 14527
TELEPHONE (315) 536-7488
Kristy LaManche, Program Coordinator

SUMMARY OF SERVICES
Inter-county group/ clearinghouse sharing information, resources in greater Finger Lakes region, encourage beneficial use of the Finger Lakes and their watersheds. Monthly meetings and computer network.

WATERSHED ORGANIZATIONS & OTHER GROUPS

NAME
CONTACT

JAVA LAKE CONSERVATION SOCIETY
Gus Keicher
PO Box 231
North Java, NY 14113
(585) 457-3456

NAME
CONTACT

JAVA LAKE HOMEOWNERS ASSOCIATION
Rita White, President
(585) 492-3808
(585) 322-3038

NAME
CONTACT

LEROY WATERSHED ADVISORY COMMITTEE
Administrator
Village of LeRoy
3 West Main St.
LeRoy, NY 14482
(585) 768-2527

NAME
CONTACT

SILVER LAKE ASSOCIATION
Richard Swanson, President
rswanson@rochester.rr.com
cell: (585) 330-2566

NAME
CONTACT

SILVER LAKE WATERSHED COMMISSION
Stanley Klein, Chairman
46 North Main St.
Perry, NY 14530
(585) 237-2216

NAME
CONTACT

TONAWANDA CREEK ADVISORY COMMITTEE
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Wyoming County

Technical Reference List

TECHNICAL REFERENCE LIST

PREPARED BY:
THE WYOMING COUNTY WATER RESOURCES COMMITTEE
Updated March 2010

Water bodies appear as listed in the Wyoming County "Non Point Assessment Report". Water bodies are also identified by their NYS DEC identification numbers. (Also indicated is where technical reference material can be located.)

BUFFALO CREEK (0103-0007):

- Water chemistries, fisheries assessment and stream volumes compiled by NYS DEC, Division of Fisheries, Olean, NY. August 1975, August 1987, projected August 1992. (DEC)
- Buffalo Creek Erosion & Flood Control/ Remediation Plans, by USDA SCS, 1953-present. (NRCS)
- Erie and Wyoming Counties, 1996 Inspection Report (SWCD)
- Erie and Wyoming Counties, 1998 Inspection Report (SWCD)
- Erie and Wyoming Counties, 2000 Inspection Report (SWCD)
- Erie and Wyoming Counties, 2003 Inspection Report (SWCD)
- 'Upper Buffalo River Watershed Project Final Report – Jan 2003. (SWCD)

CATTARAUGUS CREEK (0104-0005):

- Stream volumes from September 1963- September 1968 compiled by USGS. (SWCD)
- Stream volumes measured by Wyoming County SWCD on October 17, 1991. (SWCD)
- Emergency Flooding/Erosion Protection Plan for the Arcade Sewer line & Hurdville Road along Cattaraugus Creek, Town of Arcade, Wyoming County, NY. by U.S. Army Corps of Engineers, 1991.
- 'Biological Assessment Cattaraugus Creek, NYSDEC, 1994. (SWCD)
- 'Cattaraugus Creek Drainage Basin Official Classifications, Water Resources Commission and NYSDEC. (SWCD)
- 'Cattaraugus Creek Stream Assessment and Bank Erosion Inventory Report, 2003. (SWCD)
- 'Cattaraugus Creek Watershed Roadside Revegetation Project Final Report – 1999. (SWCD)
- Java Lake, Town of Java, Wyoming Co. NYS Proposal for Engineering Services for onsite wastewater treatment systems. Larsen Engineers, 2006.
- 'Java Lake Septic Study Mini Grant Level VII. David Reckahn, 2006.
- 'Village & Town of Arcade Flood Mitigation Action Plan, Genesee Finger Lakes Regional Planning Council, 1999.

CROW CREEK/ATTICA RESERVOIRS (0102-0023):

- Village of Attica Water Treatment Plant Watershed Protection Plan, 2003(Plant)

EAST KOY CREEK (0403-0020):

- Water chemistries, fisheries assessment and stream volumes compiled by NYS DEC, Division of Fisheries, Olean, NY. Summer of 1991. (DEC)
- Stream volumes measured by Wyoming County SWCD on October 9, 1991. (SWCD)

GENESEE RIVER (0403-0006)

- Stream volumes measured through 1991 by USGS at Portageville gauging station. (SWCD)
- "Water Quality Management Plan for the Genesee River Basin", by NYS DEC Office of Program Development, Planning and Research and Division of Pure Waters, November 1976. (SWCD/DEC)
- "Comprehensive Water Resources Plan for the Genesee River Basin" by NYS DEC and Genesee River Basin Regional Water Resources Planning Board, 1977. (SWCD)
- "Genesee River Basin Study of Water & Related Land Resources" Volumes I thru VIII, by U.S. Army Corps of Engineers, Buffalo District, 1969. (SWCD/NRCS)
- "Rochester Embayment Remedial Action Plan Stage I" New York State DEC and Monroe County Department of Planning and Development, 1993. (SWCD)
- "Rochester Embayment Remedial Action Plan 1999 Addendum" New York State DEC and Monroe County Department of Planning and Development, 1999. (SWCD)
- '"Rochester Embayment Remedial Action Plan Executive Summary" New York State DEC and Monroe County Department of Planning and Development, Jan1997. (SWCD)
- "Rochester Embayment Remedial Action Plan Stage II - Draft" New York State DEC and Monroe County Department of Planning and Development, 1997. (SWCD)
- 'Wolf Creek Water Quality Results, 1987-1990.
- 'Genesee River Basin Action Strategy: Compendium of Water Quality Issues and Concerns. Genesee Finger Lakes Regional Planning Council, Feb. 2004.
- 'Genesee River Basin Watershed Restoration and Protection Action Strategy (WRAPS): County Level Watershed Resources and Activities GFRPC, 2002.
- 'The Genesee river Drainage Basin: Sampling Years 1999-2000. Statewide Waters Monitoring Section.

LAKE LAGRANGE (0402-0008):

- "Water Quality Management Plan for Lakes LeRoy and LaGrange, Village of LeRoy, New York" by Department of Biological Sciences, Kent State University, Kent, Ohio 44242, Revised January 13, 1988. (SWCD/V. LEROY)
- "Watershed Evaluation and Management for Lakes LeRoy and LaGrange" by Timothy A. Tatakis, Water Quality Analyst, Village of LeRoy, July 1990. (SWCD/V.LEROY)
- "Wyoming County Aquatic Vegetation Control and Lake Water Quality Management Program Annual Report", by Gregory A. McKurth, District Manager, Wyoming County SWCD, September 1991. (SWCD)
- Phosphorus Sampling Results for Little Beards Creek, 1986-1993. (SWCD)

- LeRoy Watershed Advisory Committee Brochures: "Who We Are...What We Do...", "Protecting Our Water Resources", "Watershed Management" by LeWAC, 1993. (SWCD)
- ""Inventory and Evaluation Soil and Water Resources, Lake Lagrange Water Quality Study", Soil Conservation Service U.S. Department of Agriculture. (SWCD)

OATKA CREEK (0402-0029):

- Stream volumes measured through 1991 by USGS at Warsaw gauging station. (SWCD)
- Stream volumes, water chemistries, fisheries assessment compiled by NYS DEC Division of Fisheries, Olean, NY, July 10, 1991 and July 18, 1991. (DEC)
- Stream volumes measured by Wyoming County SWCD on September 24, 1991 at Town of Warsaw. (SWCD)
- Stream volumes measured by Wyoming County on November 6, 1991 at Town of Gainesville. (SWCD)
- Stream volumes, water chemistries, fisheries assessment on Pearl Creek compiled by DEC Division of Fisheries, Olean, NY, July 10 & 13, 1991. (DEC)
- Stream volumes on Gulf Creek measured by Wyoming County SWCD on September 18, 1991 at Village of Wyoming. (SWCD)
- "Gulf Creek Erosion & Flood Control Study" by USDA Soil Conservation Service. 1992 (NRCS)
- 'The Geochemistry of Oatka Creek, New York State, Department of Earth and Environmental Sciences. (SWCD)
- ""The Oatka Creek Watershed State of the Basin Report", Biology Department at MCC, Dec 2002. (SWCD)
- 'Pavilion Wellhead Protection Project Final Report – Feb 2003. (SWCD)
- 'Oatka, Cotton, & Warner Creek Stream Assessment – July 2003. (SWCD)

SILVER LAKE (0403-0002):

- "Phase I Diagnostic-Feasibility Study of Silver Lake, New York", Draft Final Report by F. X. Browne Associates, Inc., September 1991. (SWCD/SLWC)
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- "New York State: The Silver Lake Water Supply System USDA Hydrologic Unit Proposal, by Cornell Cooperative Extension, New York State Soil Conservation Service, New York State Agricultural Stabilization and Conservation Service, June 15, 1990. (SWCD/COOP EXT/FSA/NRCS)
- Silver Lake Monitoring Program Data, 1993-1996 (SWCD)
- Silver Lake Monitoring Data: Analysis and Recommendations, 1998 (SWCD/SLWC)
- Silver Lake Watershed Commission Grant Final Report, 1995 (SLWC)
- Silver Lake Monitoring Report 2000-2002, SWCD, June 2003. (SWCD)
- 'Restoration of a Walleye Population by Fingerling Stocking in Silver Lake, New York, NYSDEC, Dec 1999. (SWCD)
- 'Silver Lake Watershed Emergency Plan, Water Resources Coordination Committee, September 2002. (SWCD)
- 'Silver Lake Watershed Agricultural Nonpoint Project Final Report – 2001. (SWCD)

TONAWANDA CREEK (0102-0011):

- "Tonawanda Creek Watershed Interim Flood Management Study-Final Feasibility Report", by U.S. Army Buffalo District Corps of Engineers, 1976. (SWCD/NRCS/COE)
- "Tonawanda Creek Watershed Interim Flood Management Study-Appendices", by U.S. Army Buffalo District Corps of Engineers, 1976(SWCD/NRCS/COE)
- Stream volumes, water chemistries, fisheries assessment compiled by NYS DEC Division of Fisheries, Olean, NY, July 1991. (DEC)
- Stream volumes measured through 1991 by USGS at Village of Attica gauging station. (SWCD)
- Stream volumes measured through 1991 by USGS at Linden gauging station. (SWCD)
- Stream volumes measured by Wyoming County SWCD on October 19, 1991 at Varysburg, NY. (SWCD)
- Water chemistry data compiled by Genesee County SWCD since 1990. (SWCD)
- Stream volumes on Stony Creek measured by Wyoming County SWCD on October 9, 1991 at Varysburg, NY. (SWCD)
- Stream volumes, water chemistries, fisheries assessment on Little Tonawanda Creek compiled by NYS DEC Division of Fisheries, Olean, NY, July 3, 1991 in Town of Middlebury. (DEC)
- Streambank Assessment Compiled by Wyoming County SWCD, July, 1996. (SWCD)

WISCOY CREEK (0403-0019):

- Stream volumes, water chemistries, fisheries assessment compiled by NYS DEC Division of Fisheries, Olean, NY and Wyoming County SWCD on August 26-29, 1991. (DEC)
- Stream volumes, water chemistries, fisheries assessment on Trout Brook compiled by NYS DEC Division of Fisheries, Olean, NY in August of 1989 and on August 29, 1991. (DEC)

WOLF CREEK (0403-0003):

- Fisheries assessment by NYS DEC Division of Fisheries, Olean, NY, 1970. (DEC)
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- "Nitrate Levels in Private Drinking Water Supplies of Wyoming County", by Todd M. Hurd, Seasonal Student Aid, Wyoming County Department of Environmental Health, 1989. (SWCD/NRCS/ Health Dept.)
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- "Groundwater in Dale Valley, New York", by U.S. Geological Survey, 1979. (SWCD)
- Village of Castile Wellhead Protection Study, prepared by Wyoming County Economic Development and Planning, Oct. 1995. (SWCD/DEC/WCED&P)

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"Aquatic Vegetation Control Program Tompkins County, NY" Section of Ecology and Systematics Division of Biological Sciences Cornell University, Dec 1998. (SWCD)

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"Protecting Our Water Resources" LeRoy Watershed Advisory Committee (SWCD)

"The Effects of Mechanical Weed Harvesting In Two Potable Water Supply Reservoirs", (Lake LaGrange and Lake LeRoy), Timothy A. Tatakis, 1992. (SWCD)

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"Nonpoint Sources - Agenda for the Future", published by EPA, 1989. (SWCD/NRCS)

"Nonpoint Source Assessment Report", published by NYS DEC, 1989. (SWCD/DEC)

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"Section 319 Success Stories a Close-up Look at the National Nonpoint Source Pollution Control Program", U.S. EPA, November 1994. (SWCD)

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"Nitrogen & the Environment", published by Cornell Cooperative Extension, 1991. (EXT/NRCS)

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"**Conservation Districts and 208 Water Quality Management**" U.S. EPA and National Association of Conservation Districts, June 1977. (SWCD)

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"The Maintenance of residential Stormwater Management Areas", USDA NRCS, March 2000. (SWCD)

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"Tug Hill Aquifer: A Guide for Decision-Makers", Bulletin No. 4, NYS Water Resources Institute, Temporary State Commission on Tug Hill, March 1990.

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- **"Nonpoint Source Pollution - An Introduction"** - 20 minute slide show. (SWCD)
- **"The Wealth of Wetlands"** - 23 minute video. (NRCS)
- **"Wading Discharge Measurement"**- USGS Water Workshop 1992. (SWCD)
- **"Hydrolab Maintence and Calibration video"**- minute video by the Hydrolab Corporation 1:08:30. (SWCD)
- **"Tell it Like it is"**-SCS Compliance video- 16:30 (SWCD)
- **"Just a Drop in the Ocean"**-NACD-featuring Willie Waterdrop (SWCD)
- **"Nitrogen Efficiency: Benefiting the Crop & the Environment"** - 9 minute video by Dow Elanco Corporation. (SWCD)
- **"The Improvement of Drinking Water Quality in LeRoy, NY through Reservoir Mgt."** produced by Village of LeRoy:
  - **Part I "Lake & Reservoir Ecology"** - 45 minute video. (SWCD)
  - **Part II - "Practical Applications"** - 45 minute video. (SWCD)
- **"Private Rural Well Protection"** - 15 minute video by USDA. (NRCS)
- **"Drinking water Taste test-1996 Stream bank Stabilization-403 at V. Arcade and T. Orangeville"** (SWCD)
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- **"Voice of Experience: Watershed Protection for the Future"**, USDA, 17:22, April 1996. (SWCD)
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- **"Sustaining America's Agriculture - high tech and horse sense"** - 29 minute video by USDA NRCS and US EPA in cooperation with Winrock International. (SWCD)
- **"The Barnyard Blues - Farmers talk about barnyard water management"** - 17:50 minute video by the USDA NRCS in cooperation with the NYS DEC, 1993. (SWCD/NRCS)
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- **"Stormwater Management"** - 20 minute slide show available upon request from New York State Soil & Water Conservation Committee or NYS DEC.
- **"Friends of Agriculture"** - 30:30 minute video on Wyoming County Agriculture by Wyoming County Farm Bureau. (Farm Bureau/SWCD)
- **"Naturally Fertile Fields - increasing profits through proper manure management"** - 15 minute video from USDA. (NRCS)

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- **"Crop Residue Management;** Richard Fawcett, PhD., Ag Specialist, **"Crop Residue's Impact on the Environment"** (00:00 to 27:00); Ray McCormick, Indiana Farmer, **"The Benefit of No-Till on Wildlife"** (27:00 to 54:00) 2/94. (SWCD)
- **"Integrated Natural Resource Planning: An Ecosystem Management Approach"** - a 9:05 minute video from USDA. (NRCS)
- **"Managing Crop Residue"** - a 12:13 minute video from USDA. (NRCS)
- **"Measuring & Managing Crop Residues"** - training video from USDA. (NRCS)
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- **"Groundwater Series #2 - Manure Storage** (EXT)
- **"Groundwater Series #3 - Nutrient Management** (EXT)
- **"Groundwater "** Three slide presentations, Cornell University Health Effects of Drinking Water Contaminants, Testing and Treatment (EXT)
- **"The Power To Protect"**, Three Stories about Groundwater (EXT)
- **"Recycling Yard Waste - A Tour of Community Programs"**, 35 min. (EXT)
- **"Host Community Benefits Workshop 1992"** (EXT)
- **"Saving Energy on the Farm"** NYSEG-10 (EXT)
- **"Just Mow It - Recycle Your Grass - Don't Bag It"**, NYS Dept. of Economical Development, 1992, 5 min. (EXT)
- **"Field Crops - Strategies for Sustainable Agriculture"**, Rodale Institute, 1991 29 min. (EXT)
- **"How to --Conservation on Your Own"**, (NRCS/EXT)
- **"Agriculture Today"**, Alfred State College (EXT)
- **"Protecting Your Boat From Zebra Mussels"** NYS Sea Grant, 12 min. (EXT)
- **"Log Cribs for Cleaner Streams"** Saratoga County Soil & Water Conservation District, 9 min. (SWCD)
- **"Livestock Manure Facilities: Construction & Maintenance"** Land Improvement Contractors of America, 26 min. (SWCD)
- **"'Erosion and Sediment control Practices: Video Modules"** N.C. DENR, 1991. (SWCD)
- **"Looking for Answers Developing Partnerships for the Control of Sediment Runoff from Rural Roads"** Boquet River Association, 24 min. (SWCD)
- **National Small Flows Clearinghouse-**
  - **"Your Septic System: A Guide for Homeowners",** 10:49 min (SWCD)
  - **"The Alternative is Conservation"**, 20:00 min (SWCD)

, **"Evaluating Soil for On-Site Septic Systems"** NRCS, 32:00 min. (SWCD)

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Farm Bureau - Wyoming County Farm Bureau
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