

CHEMUNG COUNTY WATER QUALITY STRATEGY PLAN UPDATE

Originally adopted August 13, 1992, and revised in May 1996
Member list and current programs updated in April 2007

Table of Contents

	Page
1. Introduction.....	1
2. Nonpoint Pollution Sources.....	2
3. Chemung County Water Quality Impairments.....	5
4. Chemung County Stressed Segments.....	22
5. Strategy Goals.....	54.
6. Chemung County Water Quality Committee Members.....	99
7. Agency Roles and Responsibilities.....	103.
8. Conclusion.....	122

INTRODUCTION

NONPOINT SOURCE POLLUTION

Nonpoint pollution is a source which cannot be pin-pointed to a specific origin that is a threat to the quality of water, both surface and groundwater.

Pollution from nonpoint sources is a primary cause of contamination in 80% of the surface waterbodies that are classified as impaired in New York State.

Groundwater quality is also threatened by a wide range of nonpoint sources.

Dealing with a problem of such magnitude, there is a need for local, county, state, and federal organizations to unite and discuss nonpoint pollution problems and formulate a strategy to protect and improve water quality.

Chemung County has organized a committee to address various water quality impairments. This strategy plan will be used in the future to assist in the implementation of measures to improve and maintain the quality of water in Chemung County.

**NONPOINT
POLLUTION
SOURCES**

NONPOINT SOURCES

<p><u>Agriculture</u></p> <ul style="list-style-type: none"> -Row crops -Grain crops -Orchards/Vineyards -Pasture land/overgrazing -Barnyards -Manure spreading -Fertilizer application -Silage leachate -Livestock access to streams -Improper manure storage 	<p><u>Resources Extraction/Exploration</u></p> <ul style="list-style-type: none"> -Surface mining -Dredge mining/spoil disposal -Petroleum activities (brine solutions and sediment associated with gas and oil drilling operations) -Mill tailings -Mine tailings
<p><u>Silviculture</u></p> <ul style="list-style-type: none"> -Logging adjacent to streams -Skidding -Logging road construction and maintenance -Improper landing location 	<p><u>Land Disposal</u></p> <ul style="list-style-type: none"> -Sludge (disposal of sludge from wastewater treatment) -Wastewater -Landfills (solid waste disposal) -Industrial wastes -On-site wastewater -Hazardous wastes
<p><u>Diffuse Urban Runoff</u></p> <ul style="list-style-type: none"> -Impervious surface (contaminants from street, sidewalks, parking lots, roof) -Pervious surfaces (pesticides and fertilizers applications to lawns and golf courses) 	<p><u>Construction</u></p> <ul style="list-style-type: none"> -Highway/road/bridge -Land clearing/development
<p><u>Hydrologic/Habitat Modification</u></p> <ul style="list-style-type: none"> -Stream channelization -Dredging -Flow regulation/modification -Removal of riparian vegetation -Streambank modification and destabilization -Surface Impoundments 	<p><u>Other</u></p> <ul style="list-style-type: none"> -Contaminated sediment -Atmospheric deposition -Leaks, spills and accidents including toxic or hazardous substances -Saltwater intrusion resulting from over-pumping/inter-basin transfers -Deicing agents and abrasives

CHEMUNG COUNTY

WATER QUALITY

IMPAIRMENTS

It was the consensus of the committee to establish a listing of Chemung County water quality impairments. The list was formulated from a nonpoint source pollution survey completed by each committee members. These surveys were compiled and discussed at a regular meeting, by the committee, and placed in the water quality strategy plan. The strategy goals, found in chapter 5, are targeted to address each of these impairments.

In the early 1990's, a water quality impairment survey was distributed to all landowners with 25 or more acres in Chemung County. Although only 150 forms were returned of the 1700 surveys distributed, the committee used the results as an indication of what residents perceived as priority nonpoint source impairments problems. The survey results were utilized as a reference in the preparation of the strategy plan. Results of this survey are available from the Chemung County Soil and Water Conservation District.

CHEMUNG CONTY WATER QUALITY IMPAIRMENTS

Barnyards, Manure Spreading, and Livestock Access to Streams

Development

Golf Courses

Household Hazardous Waste

Industrial Waste

Pesticide/Fertilizer Application – Agricultural

Pesticide/Fertilizer Application – Non Agricultural

Road Salt Storage

Road Salt Use

Septic Systems

Sludge

Stream Channelization and Encroachment

Surface Mining

Timber Harvesting

Urban Runoff

BARNYARDS, MANURE SPREADING, AND LIVESTOCK ACCESS TO STREAMS

Problem:

Barnyards located on streams and poorly managed barnyards are considered to be significant problems. Pollution occurs from runoff through manure filled yards high in nutrients. These nutrients along with sediment loads are carried by surface waters resulting in polluted streams.

Manure spreading on frozen ground near streams with no buffer strips causes runoff to deposit rich nutrients into the streams. Manure can be a great fertilizer if used properly. If used improperly, it can cause severe water quality impairments.

Animals that have access to streams cause two problems:

(1) where they walk over banks to enter the streams they destroy vegetation causing soil erosion. (2) where they defecate in a stream they cause high nutrient concentrations and cause water quality impairment.

On-going Activities:

The Chemung County Soil and Water Conservation District in cooperation with the Natural Resources Conservation Service, the Upper Susquehanna River Coalition, Farm Service Agency and Cornell Cooperative Extension assist farmers to alleviate problems caused by concentrations of animal manure. The technology exists and has been used to prevent the barnyard, manure spreading and livestock access to stream problems.

Traditional funding sources such as cost sharing from FSA are limited. On farm funds for manure management practices is also very limited. New sources of funding are being acquired. Additional sources are a necessity to remedy the above mentioned problems.

Proposed Solutions:

Continue to assist farmers with implementing best management practices.

Seek funding to assist farmers in implementing barnyard management and help formulate manure spreading schedules based on crop needs and environmental concerns.

Initiate an integrated crop management program with interested farmers in the County. Encourage farmers to provide stream protection next to pastures and barnyards.

DEVELOPMENT

Problem:

Development occurs constantly throughout Chemung County from single house lots to malls. There is always a possibility of erosion on development sites, and it can be addressed fairly easily.

Before 2003, localities had to depend on the New York State Environmental Quality Review Act (SEQR) and local site plan review processes to address erosion/sediment problems on the larger developments. However, even though the initial approval process was thorough, a follow through inspection was often a problem on projects. Many times elaborate plans are drawn and passed by the Towns and then the contractors become lax in following the plans. Code Enforcement Officers had to be diligent to follow up and inspect sites as needed. Single house lots, which do not require SEQR or site plan review, also added a significant amount of silt and sediment if not developed properly.

In 2003, NYSDEC instituted Phase II of the State Pollutant Discharge Elimination System (SPDES) Construction Permit which regulates disturbance of one acre or more of land for construction purposes. Municipalities with Municipal Separate Storm Sewer Systems (MS4's) within "urbanized areas" (as defined by the state law) must put a local program in place – equal to the state program – by January 8, 2008. The eleven "urbanized" communities including and surrounding the City of Elmira formed the Chemung County Stormwater Coalition to work together to meet these new requirements.

On-going Activities:

The Chemung County Soil and Water Conservation District currently has a site development review policy that assists Town with the silt and sediment erosion aspects of a development site.

The Chemung County Planning Department reviews site plans under Section 239-m of the General Municipal Law for impact on county roads or neighboring communities.

Proposed Solutions:

All communities in the Chemung County Stormwater Coalition adopt and implement a consistent Stormwater Management and Erosion & Sediment Control local law and update erosion/sediment control language in their existing subdivision/site plan/zoning laws by January 8, 2008.

County Planning and STC assist remaining communities in Chemung County to revise local land use laws.

Publish a booklet with practices that can be utilized by landowners to help minimize silt and sediment problems.

Hold workshops to assist Code Enforcement Officers and contractors on developing plans for erosion and sediment control.

GOLF COURSES

Problem:

Golf turf is intensively managed. This includes extensive use of fertilizers and pesticides. This creates the potential for adverse water quality.

On-going Activities:

The Southern Tier Central Regional Planning and Development Board staff has talked with the Town of Elmira officials about potential impacts of fertilizers used on golf courses as part of the regional ground water protection program. Brochures on turf management were made available. Cornell Cooperative Extension conducts regular training in turf grass science for all turf managers. Subjects include pesticide and fertilizer management. Diagnostic and scouting procedures are also taught.

Proposed Solutions:

As a committee, familiarize ourselves with what golf courses use to keep the courses in such nice condition. Find out if there is any monitoring of the materials used, and if so, who monitors it?

Offer assistance to the owners/managers with workshops and training sessions on proper use and disposal of chemicals they utilize.

HOUSEHOLD HAZARDOUS WASTE

Problem:

Serious water quality problems can occur if paints, detergents, used oil, household pesticides, etc. are not disposed of properly.

On-going Activities:

The Chemung County Landfill LLC in partnership with Cornell Extension facilitate two annual collection programs to aid in the disposal of hazardous household waste.

Proposed Solutions:

Coordinate educational programs to illustrate proper disposal of household wastes. Education efforts on the hazards caused by improper disposal.

Compile a list of places where hazardous wastes are accepted, the costs and contacts.

Continue the **two** successful annual Household Hazardous Waste Collection Days and encourage the county to establish a permanent site to receive hazardous waste on a year-round basis.

INDUSTRIAL WASTE

Problem:

Discharge from industry has had a tremendous effect on water quality in the past. With new regulations and permit requirements there has been a great reduction in the amount of pollution that industry causes.

Some wells have been closed due to what is believed to be coming from industry discharges.

Both the County and the industries have a responsibility to make certain that industrial waste and discharges are properly disposed of so that water quality is not adversely affected.

On-going Activities:

The New York State Department of Environmental Conservation (NYSDEC) and the United States Environmental Protection Agency (USEPA) are both involved in the clean up of the Kentucky Avenue and Sullivan Street wells. USEPA is also conducting thorough inspections of regulated businesses and industry for compliance with groundwater protection laws. Violators will pay for the testing and proper clean up of polluted sites.

Proposed Solutions:

Become better informed on the industries in the County, what wastes they produce, and how this waste is disposed of. Determine who is in charge of monitoring and if there is adequate staff to do the monitoring.

Attend the regional Physical Resources Advisory Committee (PRAC) meetings to discuss the status of industrial waste disposal.

Hold an informational exchange forum with the Southern Tier Industrial Environmental Group to inform local boards and inspectors about the use and storage of hazardous industrial chemicals in the county.

PESTICIDE/FERTILIZER APPLICATION AGRICULTURAL

Problem:

Fertilizers applied to farm fields are not always accounted for in nutrient budgets. Excess nutrients could be applied unless modern tools such as computer models are used in soil, plant, and manure components are analyzed for their nutrient content.

The quality of pesticide application is becoming more critical due to: (1) The removal of pesticides from the market. (2) Weed resistance to certain herbicides. (3) Public awareness of fragile areas such as ground water aquifers. (4) Better knowledge of how pesticides move in the soil.

On-going Activities:

The Chemung County Soil and Water Conservation District in cooperation with Cornell Cooperative Extension Service and the Natural Resources Conservation Service, participate in Integrated Crop Management programs with Chemung County farmers. The District also assists by providing crop scouting and soil sampling.

The Sullivan Trail Resource Conservation and Development Council assists the Conservation District organize education programs for farm operators on Integrated Crop Management and Nutrient Management topics.

Proposed Solutions:

Hold workshops in cooperation with agricultural agencies and farmers on Pesticide/Fertilizer Water Quality topics.

Prepare Nutrient and Pesticide Management plans with farmers.

Provide Crop Scouting and Nutrient Analysis services to farmers.

PESTICIDE/FERTILIZER APPLICATION NON AGRICULTURAL

Problem:

There is a concern that turf owners and managers (homeowners, golf superintendents, school grounds superintendents, etc.) who apply fertilizers and pesticides may not have adequate knowledge about proper lawn care chemical use.

Soils may already contain sufficient nutrients. A soil test from Cornell University would report on what is needed for proper turf nutrition. Lawn owners frequently apply more than what is actually needed.

On-going Activities:

Southern Tier Central Regional Planning and Development Board and the Cornell Cooperative Extension of Chemung County share information on fertilizer and pesticide impacts on surface and groundwater with citizens and local communities.

Proposed Solutions:

Hold workshops, in cooperation with businesses, illustrating proper ways to manage lawns and gardens. Educate the lawn owners about how improper fertilization and misuse of pesticides adversely affect water quality.

Distribute fact sheets on lawn fertilization and the importance of knowing the soil fertility using soil test results. Distribute to retailers to hand out with each fertilizer/pesticide purchase.

ROAD SALT STORAGE

Problem:

Road salt storage has been a concern for a number of years. Unprotected piles can lead to salt being carried away by surface water or even being leached into the groundwater.

There are many different storage facility construction designs available to municipalities. With the limited funding that some municipalities have, salt storage facilities are not likely to become a reality.

On-going Activities:

Legislation has been introduced that would mandate road salt storage facilities. As of this time, it has not yet passed. Some municipalities have been able to come up with funding to construct storage facilities.

The municipalities that have road salt storage facilities are: Village of Wellsburg, Town of Big Flats, Town of Catlin, Town of Chemung (County uses it), Town of Horseheads, Village of Horseheads (County uses it), Town of Southport, Chemung County Highway Department, and the Village of Elmira Heights.

Proposed Solutions:

Educate municipal boards and residents on the importance of road salt storage and encourage them to budget funds for a storage facility. Low interest loans or matching grants is another funding possibility.

Look into the feasibility of two or more Towns sharing a storage facility sited at a central location.

Compile a packet of designs and make available to interested municipalities.

ROAD SALT USE

Problem:

Road salt use has been considered to be a potential water quality impairment problem. When applied as a deicing agent on roads, it is easily carried away by melting snow or rain.

Initial runoff can cause contamination to surface waters. This can also become a problem on porous soils where salt can leach into and contaminate shallow wells or unconsolidated aquifers.

On-going Activities:

EMC has guidelines for spreading salt during storms. Wellhead Protection Regulations often recommend that snow piles laden with deicing compounds are not disposed of in a recharge area.

Proposed Solutions:

Compile fact sheets on salt contamination and when, why, and where used. These will aid in educating residents in understanding road salt use.

Establish a committee with members from the Highway Association to discuss and evaluate the problem.

Look into acquiring a grant to evaluate the problem.

SEPTIC SYSTEMS

Problem:

On-site wastewater systems are utilized by many residents in Chemung County. When working properly they treat wastewater very efficiently. Many times failing systems go unnoticed because landowners do not know what to look for. If problems like this occur, the quality of water can become impaired.

On-going Activities:

Upon request, the Chemung County Health Department (CCHD) will visit the site and make recommendations to remedy the situation. Visit the CCHD webpage for details on their Onsite Wastewater Treatment System (OWTS) program and related fees: www.chemungcountyhealth.org. New rules take effect on May 1, 2007.

Cornell Extension and CCHD currently have educational information on on-site septic systems.

Southern Tier Central Regional Planning and Development Board has an extensive library of literature on the impacts of on-site sewage disposal systems on groundwater.

Proposed Solutions:

Make the “Homeowners Guide” available to new homeowners. This packet includes an educational pamphlet that describes how failing septic systems impair water quality with information on how to maintain your systems and what to look for in a failing system. This information is accompanied by phone numbers of people who can assist landowners if a problem occurs.

SLUDGE

Problem:

Sludge is a solid matter produced by water and sewage treatment processes. Usually sludge is injected into the soil and is regulated by the NYS Department of Environmental Conservation. At times, heavy metals can be found in this material and these can contaminate soil and water.

If this process is not monitored correctly, it could become a serious problem to remedy and in most likelihood, expensive.

On-going Activities:

The Sewer Districts' Industrial Waste Pretreatment Program is currently mandated by the United States Environmental Protection Agency and the New York State Department of Environmental Conservation.

The sludge from the Chemung County Sewer Districts currently goes to the Chemung County Landfill, which has a "state of the art" containment system for runoff.

The Chemung County Sewer Districts are currently working with the Solid Waste District to obtain a New York State Department of Environmental Conservation permit to spread the sludge at the landfill for a topsoil additive/replacement.

Proposed Solutions:

Delineate where and when this type of operation occurs in the county. Offer assistance as a committee if needed.

SURFACE MINING

Problem:

Surface mining and gravel pits, if not managed properly, can cause serious silt and sediment problems. Most mining operations need to have a permit from the NYS Department of Environmental Conservation

On-going Activities:

Chemung County Soil and Water Conservation District has requested a list of active gravel mines with permits.

The New York State Department of Environmental Conservation currently permits and inspects mining operations in the County.

Proposed Solutions:

Keep in contact with the NYS Department of Environmental Conservation concerning mines in the county with permits.

STREAM CHANNELIZATION AND ENCROACHMENT

Problem:

Over the years, towns, landowners, and contractors have been using bulldozers to channelize streams. The gravel was extracted and the streams were straightened. Once this happens velocity is increased and the cutting force becomes greater. Sediment is picked up and carried until velocity decreases enough that the silt deposits out. Flooding and erosion problems can increase down stream.

On-going Activities:

The Chemung County Soil and Water Conservation District has been involved with streambank protection and stabilization since the late 1970's. In conjunction with the NYS Department of Environmental Conservation, the USDA Natural Resources Conservation Service, and local municipalities, we are working towards a better understanding of what can be done in the streams that does not adversely affect them.

Proposed Solutions:

Establish guidelines, with the assistance from the NYS Department of Environmental Conservation, illustrating proper practices that can be utilized by municipalities and landowners.

Apply for funding to provide homeowners and municipal officials with education concerning good management practices.

Continue installing streambank protection and stabilization measures.

TIMBER HARVESTING

Problem:

Silviculture is an important aspect to Chemung County's economy. Forests are a renewable resource and like any crop should be harvested. There has been concern that some timber harvesting operations cause a tremendous amount of silt and sediment to our surface waters. These types of problems can be minimized by utilizing Best Management Practices (BMP'S) established by the USDA, NRCS and the NYSDEC.

On-going Activities:

The Town of Big Flats, Town of Elmira, and Town of Horseheads currently have timber harvesting ordinances that control problems that may occur during timber harvesting operations.

Proposed Solutions:

Assist Towns who request assistance in initiating a timber harvesting registration program. This would require the harvester to register to the Town before any harvesting operation begins. At this time, the harvester would receive a Best Management Practices guide.

Provide a "model" area where BMP's can be demonstrated.

URBAN RUNOFF

Problem:

Soil erosion occurs when improper or no practices are applied during site development.

Contaminants such as automobile oil and fluids, enter storm drains from paved parking and other urban areas to runoff to surface or groundwater.

Chemicals which are improperly stored or handled, and also enter storm or floor drains leading to water contamination.

On-going Activities:

Eleven municipalities which make up the “urbanized area” centered on the City of Elmira, have formed the Chemung County Stormwater Coalition to meet the Phase II SPDES Construction Permit requirements by the January 8, 2008 deadline. The Coalition is working together to address urban runoff in a cost-effective, cooperative way.

Many Towns and Villages in Chemung County require a site development review to include soil erosion guidelines, stormwater management guidelines, and Best Management Practices (BMP's) from the Chemung County Soil and Water Conservation District.

The STCRPDB had developed recommended chemical storage and handling regulations for facilities which are not covered by NYSDEC requirements.

Proposed Solutions:

The Stormwater Coalition uses its local resources and applies for additional funding to put a cooperative urban runoff program in place which includes updating local land use laws, putting in place a public involvement process, educating the public, and entering into intermunicipal agreements to share engineering services and LIDAR mapping, among other tools and resources.

Provide workshops and training sessions for developers and code enforcement officers.

Encourage the adoption of proper chemical storage and handling regulations.

Apply for 319 Funding to provide cost sharing for business and industry who construct needed secondary containment areas for chemical storage.

Implement Storm Drain/Dry Well program.

CHEMUNG COUNTY STRESSED SEGMENTS

It was the consensus of the committee to establish a listing of stressed segments to include all watersheds, waterbodies, as well as aquifers/groundwater. These segments have been listed as high or medium priority according to information obtained and discussed by committee members and, as a reference, the New York State Department of Environmental Conservation's "Priority Water Problem" (PWP) list.

WATERSHEDS

HIGH PRIORITY

Catharine Creek

DEC classification: Priority Water Body*

Chemung River East

DEC classification: No Known Impact**

Newtown Creek

DEC classification: Lower – Minor Impacts; Middle and Upper – No Known Impact
Diven/Heller Creek – Minor Impacts**

Post Creek

DEC classification: No Known Impact**

Seeley Creek

DEC classification: Threatened**

MEDIUM PRIORITY

Baldwin Creek

DEC classification: No Known Impact**

Bentley Creek

DEC classification: No Known Impact**

Bentley Creek Tributary

DEC classification: No Known Impact**

Cayuta Creek

DEC classification: Impacted Segment***

Chemung River West

DEC classification: No Known Impact**

Hendy Creek

DEC classification: No Known Impact**

Hoffman Creek

DEC classification: Unassessed**

Sing Sing and Gardner Creeks

DEC classification: No Known Impact**

Wyncoop Creek and Dry Brook

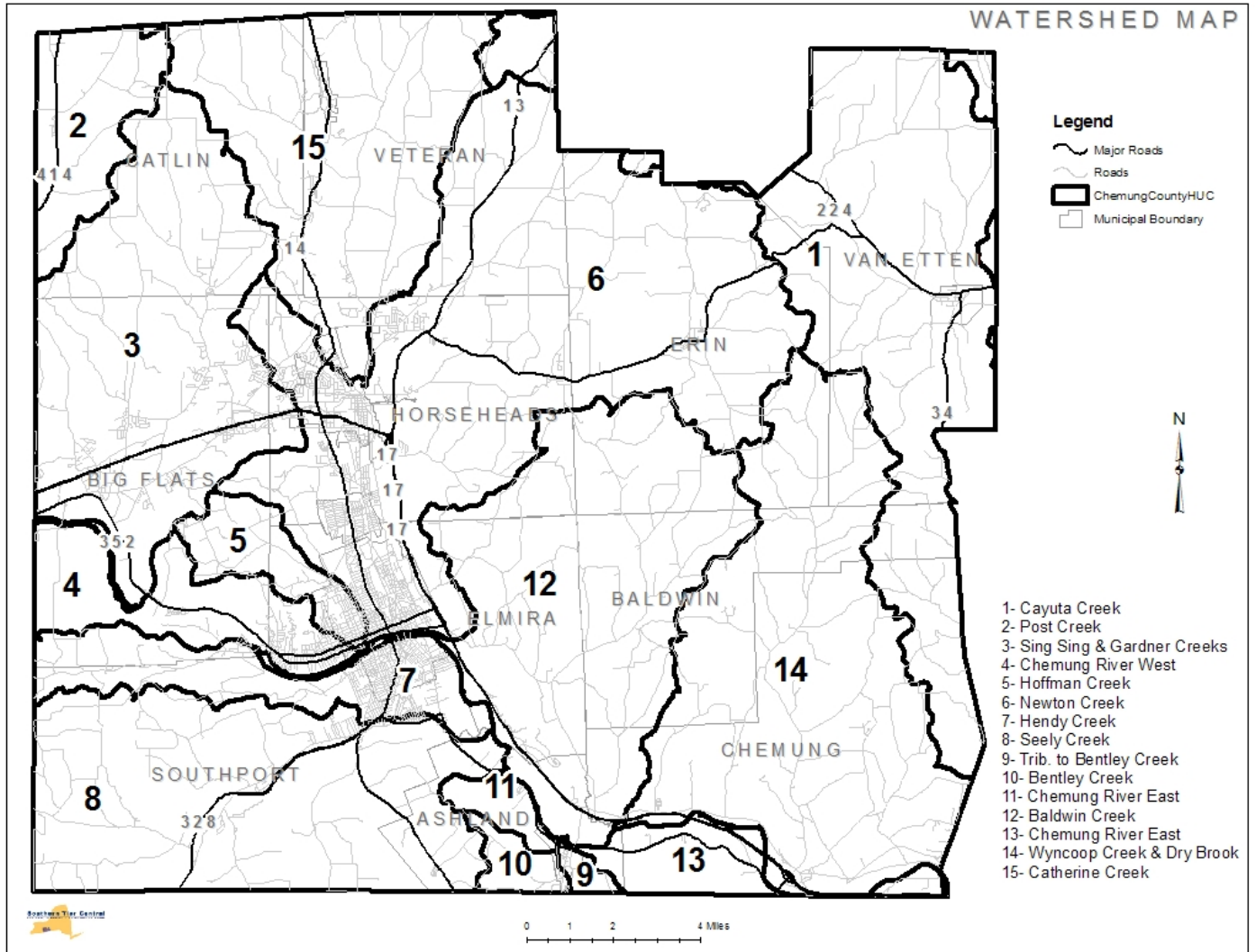
DEC classification: No Known Impact**

* Source: *The 1996 Priority Waterbodies List for the Oswego-Seneca-Oneida River Basin*, NYS Department of Environmental Conservation, September 1996.

**Source: *The DRAFT 2004 Chemung River Basin Waterbody Inventory and Priority Waterbodies List*, NYS Department of Environmental Conservation, April 2007.

***Source: *The 1998 Susquehanna River Basin Waterbody Inventory and Priority Waterbodies List*, NYS Department of Environmental Conservation, August 2001.

WATERSHED MAP



CHEMUNG COUNTY NONPOINT SOURCE WATER QUALITY ASSESSMENT LIST

Segment Name:	Catharine Creek	Date Completed:	6-2-92
Segment Type:	Watershed	Priority:	High
DEC Region #:	8	(* Quad Map:	1,2,3,6
Classification:	CTS	Affected Area:	Watershed

Segment Location:

15 Catharine Creek (see "Watershed Map")

DEGREE OF PROBLEM:

<u>USAGE</u>	<u>IMPAIRMENT</u>	<u>DOCUMENTATION</u>
Fish Propagation	Threatened	Some
Fish Survival	Threatened	Some
Aesthetics	Threatened	Some

TYPE OF POLLUTANT(S):

- Silt (Sediment)
- Nutrients
- Toxic Contaminants
- Thermal Changes

SOURCE (S) OF POLLUTANT (S):

- Agriculture – Livestock in Stream – (H)
- On-site Wastewater Systems – (H)
- Streambank Erosion – (H)

WATER PROBLEM DESCRIPTION:

Nutrients are coming from on-site wastewater systems, barnyard runoff and livestock in stream.

There is a wild rainbow trout population in Catharine Creek with natural reproduction but trout spawning might be enhanced if septic systems were not such a problem. Hamlets of Pine Valley and Millport are the primary locations of septic systems.

Panther Lick Creek has a particular erosion problem.

A hazardous waste site located on the Oughterson property at the head waters of Catharine Creek is the cause for many toxic contaminants in the watershed.

COMMENTS:

Conditions need verification.

(* – Refer to Quad Map Legend

CHEMUNG COUNTY NONPOINT SOURCE WATER QUALITY ASSESSMENT LIST

Segment Name:	Chemung River East	Date Completed:	6-3-92
Segment Type:	Watershed	Priority:	High
DEC Region #:	8	(* Quad Map:	10, 11
Classification:	C, A	Affected Area:	Watershed

Segment Location:

11 & 13 – Chemung River East (see “Watershed Map”)

DEGREE OF PROBLEM:

<u>USAGE</u>	<u>IMPAIRMENT</u>	<u>DOCUMENTATION</u>
Fishing	Stressed	Some
Aesthetics	Stressed	Some
Fish Propagation	Stressed	Some
Fish Survival	Stressed	Some
Recreation	Stressed	Some
Water Supply	Stressed	Some

TYPE OF POLLUTANT(S):

- Silt (Sediment)
- Pathogens
- Nutrients
- Pesticides
- Priority Organics

SOURCE (S) OF POLLUTANT (S):

- Agriculture – Fertilizer Application – (L)
- Agriculture – Manure Spreading – (L)
- On-site Wastewater Systems – (M)
- Surface Mining – (L)
- Landfill – (M)

WATER PROBLEM DESCRIPTION:

Use Impairment – Nutrients and pathogens are coming from some failing on-site wastewater systems in the Wellsburg area, and from barnyard runoff and manure spreading.

The use of fertilizer and pesticides at the Tomasso’s Golf Course also contributes to the nutrient and pesticide problem.

The Darlymple gravel pit and the McDonald’s gravel pit is a contributing factor to the silt and sediment problem.

COMMENTS:

Conditions need verification.

(* – Refer to Quad Map Legend

CHEMUNG COUNTY NONPOINT SOURCE WATER QUALITY ASSESSMENT LIST

Segment Name: Newtown Creek **Date Completed:** 6-2-92
Segment Type: Watershed **Priority:** High
DEC Region #: 8 **(* Quad Map:** 2,3,5,6,7,8,10
Classification: C, C(ct) **Affected Area:** Watershed

Segment Location:

6 - Newtown Creek (see "Watershed Map")

DEGREE OF PROBLEM:

<u>USAGE</u>	<u>IMPAIRMENT</u>	<u>DOCUMENTATION</u>
Fishing	Stressed	Some
Fish Propagation	Stressed	Some
Fish Survival	Stressed	Some
Recreation	Stressed	Some
Aesthetics	Stressed	Some

TYPE OF POLLUTANT(S):

Silt (Sediment)
Nutrients
Pesticides
Toxic Contaminants
Pathogens
Salt

SOURCE (S) OF POLLUTANT (S):

Agriculture – Barnyard Runoff - (M)
Agriculture – Livestock in Stream – (M)
Agriculture – Manure Spreading – (L)
Silviculture – (H)
Urban Runoff – (M)
Surface Mining – (H)
Industrial Waste – (H)
On-site Wastewater Systems – (L)
Road Salt Storage – (H)

WATER PROBLEM DESCRIPTION:

Use Impairment – Sediment from improper silviculture practices in this watershed increases the turbidity in the creek and stresses fish propagation and fish survival.

Pathogens and nutrients come from on-site waste water systems, barnyard runoff and livestock in stream.

Urban runoff and improper deicing material storage deposits toxic contaminants and salt into the watershed.

COMMENTS:

Conditions need verification.

(* – Refer to Quad Map Legend

CHEMUNG COUNTY NONPOINT SOURCE WATER QUALITY ASSESSMENT LIST

Segment Name:	Post Creek	Date Completed:	6-2-92
Segment Type:	Watershed	Priority:	High
DEC Region #:	8	(* Quad Map:	1,5
Classification:	C, C(ct)	Affected Area:	Watershed

Segment Location:

2 – Post Creek (see “Watershed Map”)

DEGREE OF PROBLEM:

<u>USAGE</u>	<u>IMPAIRMENT</u>	<u>DOCUMENTATION</u>
Fishing	Stressed	Some
Aesthetics	Stressed	Some

TYPE OF POLLUTANT(S):

Silt (Sediment)
Pathogens
Aesthetics

SOURCE (S) OF POLLUTANT (S):

Dumping/Trash
On-site Wastewater Systems – (H)
Streambank Erosion – (L)

WATER PROBLEM DESCRIPTION:

Use Impairment – Dumping of rubbish and debris in the stream is aesthetically unpleasing and discourages fishing use.

Approximately 1 mile reach Beaver Valley Subdivision needs cleaning of man-made debris, tree limbs and logs from main stem. Post Creek has a large build up of gravel and silt, mainly near the intersection with East Creek. An upstream segment of the Post Creek was identified in Schuyler County as having serious streambank erosion problems.

Brown trout fishing in Post Creek is good; there is some natural reproduction.

Heavy build up of material behind Beaver Valley Subdivision is blamed for backing up water which results in poor operation of septic systems.

COMMENTS:

Conditions need verification.

(* – Refer to Quad Map Legend

CHEMUNG COUNTY NONPOINT SOURCE WATER QUALITY ASSESSMENT LIST

Segment Name:	Seeley Creek	Date Completed:	6-2-92
Segment Type:	Watershed	Priority:	High
DEC Region #:	8	(* Quad Map:	9, 10
Classification:	C, C(ct)	Affected Area:	Watershed

Segment Location:

8 – Seeley Creek (see “Watershed Map”)

DEGREE OF PROBLEM:

<u>USAGE</u>	<u>IMPAIRMENT</u>	<u>DOCUMENTATION</u>
Fishing	Stressed	Some
Fish Propagation	Stressed	Some
Fish Survival	Stressed	Some
Recreation	Stressed	Some
Aesthetics	Stressed	Some

TYPE OF POLLUTANT(S):

- Silt (Sediment)
- Nutrients
- Pesticides
- Toxic Contaminants
- Pathogens
- Salt

SOURCE (S) OF POLLUTANT (S):

- Agriculture – Barnyard Runoff - (H)
- Agriculture – Livestock in Stream – (M)
- Agriculture – Manure Spreading – (L)
- Silviculture – (M)
- Urban Runoff – (M)
- Hazardous Waste – (M)
- On-site Wastewater Systems – (L)
- Road Salt Storage – (H)
- Hydrologic Modification – (H)

WATER PROBLEM DESCRIPTION:

Use Impairment – Sediment from improper silviculture practices in this watershed increases the turbidity in the creek and stresses fish propagation and fish survival.

Pathogens and nutrients come from on-site waste water systems, barnyard runoff and livestock in stream.

Urban runoff and improper deicing material storage deposits toxic contaminants and salt into the watershed.

Approximately 56,450 acres or 88.2 square miles of this watershed comes from Bradford and Tioga Counties in Pennsylvania making determinations and control measures more difficult.

COMMENTS: Conditions need verification.

(* – Refer to Quad Map Legend

CHEMUNG COUNTY NONPOINT SOURCE WATER QUALITY ASSESSMENT LIST

Segment Name: Baldwin Creek **Date Completed:** 6-3-92
Segment Type: Watershed **Priority:** Medium
DEC Region #: 8 **(* Quad Map:** 6,7,10,11
Classification: C, C(ct) **Affected Area:** Watershed

Segment Location:

12 – Baldwin Creek (see “Watershed Map”)

DEGREE OF PROBLEM:

<u>USAGE</u>	<u>IMPAIRMENT</u>	<u>DOCUMENTATION</u>
Fishing	Stressed	Some
Aesthetics	Stressed	Some
Fish Propagation	Stressed	Some
Fish Survival	Stressed	Some
Recreation	Stressed	Some

TYPE OF POLLUTANT(S):

Silt (Sediment)
Pathogens
Nutrients
Salts

SOURCE (S) OF POLLUTANT (S):

Agriculture – Manure Spreading – (M)
Agriculture – Barnyards – (M)
On-site Wastewater Systems – (M)
Road Salt Storage – (H)

WATER PROBLEM DESCRIPTION:

Use Impairment – Nutrients and pathogens are coming from some failing on-site wastewater systems, and from barnyard runoff and manure spreading.

Improper storage and application of deicing material deposits salt into the watershed.

Baldwin Creek and its tributaries could use some gravel mining and streambank stabilization/channelization.

COMMENTS:

Conditions need verification.

(* – Refer to Quad Map Legend

CHEMUNG COUNTY NONPOINT SOURCE WATER QUALITY ASSESSMENT LIST

Segment Name: Bentley Creek
Segment Type: Watershed
Date Completed: 6-2-92
Priority: High
DEC Region #: 8
Classification: C, C(ct)
(*) Quad Map: 10,11
Affected Area: Watershed

Segment Location:

10 – Bentley Creek (see “Watershed Map”)

DEGREE OF PROBLEM:

<u>USAGE</u>	<u>IMPAIRMENT</u>	<u>DOCUMENTATION</u>
Fishing	Stressed	Some
Aesthetics	Stressed	Some
Fish Survival	Stressed	Some
Recreation	Stressed	Some

TYPE OF POLLUTANT(S):

Silt (Sediment)
Pathogens
Nutrients
Pesticides

SOURCE (S) OF POLLUTANT (S):

Agriculture – Fertilizer Application – (L)
Agriculture – Manure Spreading – (L)
On-site Wastewater Systems – (M)
Silviculture – (L)

WATER PROBLEM DESCRIPTION:

Use Impairment – Nutrients and pathogens are coming from failing on-site wastewater systems, local barnyard runoff and manure spreading.

The use of fertilizer on farm operations also contributes to the nutrient and pesticide problem.

Improper silviculture practices contributes to the sediment load in this watershed.

The streams are in need of streambank stabilization/channelization.

COMMENTS:

Conditions need verification.

(*) – Refer to Quad Map Legend

CHEMUNG COUNTY NONPOINT SOURCE WATER QUALITY ASSESSMENT LIST

Segment Name: Bentley Creek Tributary **Date Completed:** 6-2-92
Segment Type: Watershed **Priority:** Medium
DEC Region #: 8 **(* Quad Map:** 11
Classification: C, C(ct) **Affected Area:** Watershed

Segment Location:

9 – Tributary to Bentley Creek (see “Watershed Map”)

DEGREE OF PROBLEM:

<u>USAGE</u>	<u>IMPAIRMENT</u>	<u>DOCUMENTATION</u>
Fishing	Stressed	Some
Aesthetics	Stressed	Some
Fish Survival	Stressed	Some
Recreation	Stressed	Some

TYPE OF POLLUTANT(S):

- Silt (Sediment)
- Pathogens
- Nutrients
- Pesticides

SOURCE (S) OF POLLUTANT (S):

- Agriculture – Fertilizer Application – (L)
- Agriculture – Manure Spreading – (L)
- On-site Wastewater Systems – (M)
- Silviculture – (L)

WATER PROBLEM DESCRIPTION:

Use Impairment – Nutrients and pathogens are coming from failing on-site wastewater systems, local barnyard runoff and manure spreading.

The use of fertilizer on farm operations also contributes to the nutrient and pesticide problem.

Improper silviculture practices contributes to the sediment load in this watershed.

The streams are in need of streambank stabilization/channelization.

COMMENTS:

Conditions need verification.

(* – Refer to Quad Map Legend

CHEMUNG COUNTY NONPOINT SOURCE WATER QUALITY ASSESSMENT LIST

Segment Name:	Cayuta Creek	Date Completed:	6-3-92
Segment Type:	Watershed	Priority:	Medium
DEC Region #:	7 & 8	(*) Quad Map:	3,4,7,8,12
Classification:	C, C(ct)	Affected Area:	Watershed

Segment Location:

1 – Cayuta Creek (see “Watershed Map”)

DEGREE OF PROBLEM:

<u>USAGE</u>	<u>IMPAIRMENT</u>	<u>DOCUMENTATION</u>
Fishing	Stressed	Some
Aesthetics	Stressed	Some
Fish Propagation	Stressed	Some
Fish Survival	Stressed	Some
Recreation	Stressed	Some

TYPE OF POLLUTANT(S):

Silt (Sediment)
Nutrients

SOURCE (S) OF POLLUTANT (S):

Silviculture – (H)
Highway & Bridge Construction – (H)

WATER PROBLEM DESCRIPTION:

Use Impairment – Nutrients rich sediment is entering the streams of the watershed due to improper logging practices. Some construction projects also contribute to the sediment load in the watershed.

COMMENTS:

Conditions need verification.

(*) – Refer to Quad Map Legend

CHEMUNG COUNTY NONPOINT SOURCE WATER QUALITY ASSESSMENT LIST

Segment Name: Chemung River West **Date Completed:** 6-2-92
Segment Type: Watershed **Priority:** Medium

DEC Region #: 8 **(* Quad Map:** 5,9,10
Classification: **Affected Area:** Watershed

Segment Location:

4 – Chemung River West (see “Watershed Map”)

DEGREE OF PROBLEM:

<u>USAGE</u>	<u>IMPAIRMENT</u>	<u>DOCUMENTATION</u>
Fishing	Stressed	Some
Aesthetics	Stressed	Some
Fish Survival	Stressed	Some
Recreation	Stressed	Some

TYPE OF POLLUTANT(S):

- Silt (Sediment)
- Pathogens
- Nutrients
- Pesticides

SOURCE (S) OF POLLUTANT (S):

- Agriculture – Fertilizer Application – (L)
- Agriculture – Manure Spreading – (L)
- On-site Wastewater Systems – (M)
- Silviculture – (L)

WATER PROBLEM DESCRIPTION:

Use Impairment – Nutrients and pathogens are coming from failing on-site wastewater systems, local barnyard runoff and manure spreading.

The use of fertilizer and pesticides at the Willow Creek Golf Club and the Elmira Country Club also contributes to the nutrient and pesticide problem.

Improper silviculture practices contributes to the sediment load in this watershed.

COMMENTS:

Conditions need verification.

(* – Refer to Quad Map Legend

CHEMUNG COUNTY NONPOINT SOURCE WATER QUALITY ASSESSMENT LIST

Segment Name:	Hendy Creek	Date Completed:	6-2-92
Segment Type:	Watershed	Priority:	Medium
DEC Region #:	8	(* Quad Map):	9,10
Classification:	C	Affected Area:	Watershed

Segment Location:

7 – Hendy Creek (see “Watershed Map”)

DEGREE OF PROBLEM:

<u>USAGE</u>	<u>IMPAIRMENT</u>	<u>DOCUMENTATION</u>
Fishing	Stressed	Some
Aesthetics	Stressed	Some
Fish Survival	Stressed	Some

TYPE OF POLLUTANT(S):

- Silt (Sediment)
- Pathogens
- Nutrients

SOURCE (S) OF POLLUTANT (S):

- On-site Wastewater Systems – (L)
- Silviculture – (L)

WATER PROBLEM DESCRIPTION:

Use Impairment – Nutrients and pathogens are coming from on-site wastewater systems, and the trash in Hendy Creek is aesthetically unpleasing.

Improper silviculture practices contributes to the sediment load in this watershed.

COMMENTS:

Conditions need verification.

(* – Refer to Quad Map Legend

CHEMUNG COUNTY NONPOINT SOURCE WATER QUALITY ASSESSMENT LIST

Segment Name:	Hoffman Creek	Date Completed:	6-2-92
Segment Type:	Watershed	Priority:	Medium
DEC Region #:	8	(* Quad Map):	5,6,9,10
Classification:	C, C(ct)	Affected Area:	Watershed

Segment Location:

5 – Hoffman Creek (see “Watershed Map”)

DEGREE OF PROBLEM:

<u>USAGE</u>	<u>IMPAIRMENT</u>	<u>DOCUMENTATION</u>
Aesthetics	Stressed	Some
Recreation	Stressed	Some

TYPE OF POLLUTANT(S):

Silt (Sediment)
Pathogens
Nutrients

SOURCE (S) OF POLLUTANT (S):

On-site Wastewater Systems – (M)
Urban Runoff – (L)
Streambank Erosion – (L)

WATER PROBLEM DESCRIPTION:

Use Impairment – Nutrients and pathogens are coming from failing on-site wastewater systems.

Minor urban runoff from site developments contributes to the toxic contaminate load in the watershed.

Streams in this watershed are in need of streambank stabilization.

COMMENTS:

Conditions need verification.

(* – Refer to Quad Map Legend

CHEMUNG COUNTY NONPOINT SOURCE WATER QUALITY ASSESSMENT LIST

Segment Name: Sing Sing & Gardner Creeks **Date Completed:** 6-2-92
Segment Type: Watershed **Priority:** Medium
DEC Region #: 8 **(* Quad Map:** 1,5,6,9
Classification: C, C(ct) **Affected Area:** Watershed

Segment Location:

3 – Sing Sing & Gardner Creeks (see “Watershed Map”)

DEGREE OF PROBLEM:

<u>USAGE</u>	<u>IMPAIRMENT</u>	<u>DOCUMENTATION</u>
Fishing	Stressed	Some
Aesthetics	Stressed	Some
Fish Survival	Stressed	Some

TYPE OF POLLUTANT(S):

Silt (Sediment)
Pathogens
Nutrients
Pesticides
Toxic Contaminants
Aesthetics

SOURCE (S) OF POLLUTANT (S):

Agriculture – Barnyard Runoff – (L)
Agriculture – Manure Spreading – (L)
Fertilizer – (L)
Urban Runoff – (L)
On-site Wastewater Systems – (L)
Road Salt Storage – (L)

WATER PROBLEM DESCRIPTION:

Use Impairment – Nutrients and pathogens are coming from failing on-site wastewater systems, local barnyard runoff and manure spreading.

Various location of urban runoff (Arnot Mall, subdivisions, developments, etc...) and improper deicing material use and storage at the Elmira/Corning Regional Airport deposits toxic contaminants and salt into the watershed.

COMMENTS:

Conditions need verification.

(* – Refer to Quad Map Legend

CHEMUNG COUNTY NONPOINT SOURCE WATER QUALITY ASSESSMENT LIST

Segment Name:	Wyncoop Creek and Dry Brook	Date Completed:	6-3-92
Segment Type:	Watershed	Priority:	Medium
DEC Region #:	8	(*) Quad Map:	7,8,11,12
Classification:	C, C(ct)	Affected Area:	Watershed

Segment Location:

14 – Wyncoop Creek and Dry Brook (see “Watershed Map”)

DEGREE OF PROBLEM:

<u>USAGE</u>	<u>IMPAIRMENT</u>	<u>DOCUMENTATION</u>
Fishing	Stressed	Some
Fish Propagation	Stressed	Some
Fish Survival	Stressed	Some
Recreation	Stressed	Some
Aesthetics	Stressed	Some

TYPE OF POLLUTANT(S):

- Silt (Sediment)
- Nutrients
- Pesticides
- Toxic Contaminants
- Pathogens
- Salt

SOURCE (S) OF POLLUTANT (S):

- Agriculture – Barnyard Runoff – (M)
- Agriculture – Livestock in Stream – (M)
- Agriculture – Manure Spreading – (L)
- Silviculture – (H)
- Fertilizer – (M)
- Urban Runoff – (M)
- Surface Mining – (H)
- Industrial Waste – (H)
- On-site Wastewater Systems – (L)
- Road Salt Storage – (H)

WATER PROBLEM DESCRIPTION:

Use Impairment – Sediment from improper silviculture practices in this watershed increases the turbidity in the creek and stresses fish propagation and fish survival.

Pathogens and nutrients come from on-site waste water systems, barnyard runoff and livestock in stream.

Urban runoff and improper deicing material storage deposits toxic contaminants and salt into the watershed.

COMMENTS:

Conditions need verification.

(*) – Refer to Quad Map Legend

WATERBODIES

HIGH PRIORITY

Brick Pond
Eldridge Lake
Miller Pond

MEDIUM PRIORITY

Newtown-Hoffman Creek Watershed Projects

Hoffman Dam
Marsh Dam
Park Station Dam
Sullivanville Dam

CHEMUNG COUNTY NONPOINT SOURCE WATER QUALITY ASSESSMENT LIST

Segment Name:	Brick Pond	Date Completed:	6-15-92
Segment Type:	Waterbody	Priority:	High
DEC Region #:	8	(*) Quad Map:	10
Classification:		Affected Area:	Waterbody

Segment Location:

Brick Pond – Elmira Quad

DEGREE OF PROBLEM:

<u>USAGE</u>	<u>IMPAIRMENT</u>	<u>DOCUMENTATION</u>
Fishing	Threatened	Poor
Fishing Propagation	Threatened	Poor
Fish Survival	Threatened	Poor
Recreation	Threatened	Poor
Aesthetics	Threatened	Poor

TYPE OF POLLUTANT(S):

Toxic Contaminants
Nutrients

SOURCE (S) OF POLLUTANT (S):

Industrial Wastes – (M)

WATER PROBLEM DESCRIPTION:

It is unknown if this waterbody has major problems. There is money available to do water testing in 1992. Once results come back the problem determination and the extent of the problem can be verified.

COMMENTS:

Conditions need verification.

(*) – Refer to Quad Map Legend

CHEMUNG COUNTY NONPOINT SOURCE WATER QUALITY ASSESSMENT LIST

Segment Name:	Eldridge Lake	Date Completed:	6-15-92
Segment Type:	Waterbody	Priority:	High
DEC Region #:	8	(* Quad Map:	10
Classification:		Affected Area:	Waterbody

Segment Location:

Eldridge Lake – Elmira Quad

DEGREE OF PROBLEM:

<u>USAGE</u>	<u>IMPAIRMENT</u>	<u>DOCUMENTATION</u>
Fishing	Threatened	Some
Fish Propagation	Threatened	Some
Fish Survival	Threatened	Some
Recreation	Threatened	Some
Aesthetics	Threatened	Some

TYPE OF POLLUTANT(S):

Toxic Contaminants
Nutrients

SOURCE (S) OF POLLUTANT (S):

Industrial Wastes – (H)

WATER PROBLEM DESCRIPTION:

It is unknown if this waterbody has major problems. There is money available to do water testing. Once results come back the problem determination and the extent of the problem can be verified.

Some testing has been done in the past. The results are on file from the City of Elmira.

COMMENTS:

Conditions need verification.

(* – Refer to Quad Map Legend

CHEMUNG COUNTY NONPOINT SOURCE WATER QUALITY ASSESSMENT LIST

Segment Name:	Miller Pond	Date Completed:	6-15-92
Segment Type:	Waterbody	Priority:	High
DEC Region #:	8	(* Quad Map:	10
Classification:		Affected Area:	Waterbody

Segment Location:

Miller Pond – Elmira Quad

DEGREE OF PROBLEM:

<u>USAGE</u>	<u>IMPAIRMENT</u>	<u>DOCUMENTATION</u>
Fishing	Threatened	Some
Fishing Propagation	Threatened	Some
Fish Survival	Threatened	Some
Recreation	Threatened	Some
Aesthetics	Threatened	Some

TYPE OF POLLUTANT(S):

- Salt
- Nutrients

SOURCE (S) OF POLLUTANT (S):

- On-site Wastewater Systems – (H)
- Urban Runoff – (H)

WATER PROBLEM DESCRIPTION:

This waterbody was tested for water quality in 1991. The results came back excellent. This water is in great shape. The results of the water testing are on file at the Chemung County Soil and Water Conservation District office and from the City of Elmira.

Monitoring should continue due to the on-site wastewater systems on the south end and the pond still receives urban runoff. May want to look into rerouting the stormwater runoff?

COMMENTS:

Conditions need verification.

(* – Refer to Quad Map Legend

CHEMUNG COUNTY NONPOINT SOURCE WATER QUALITY ASSESSMENT LIST

Segment Name: Hoffman Dam
Segment Type: Waterbody
Date Completed: 6-15-92
Priority: Medium
DEC Region #: 8
Classification:
(* Quad Map: 10
Affected Area: Waterbody

Segment Location:

Hoffman Dam – Elmira Quad

DEGREE OF PROBLEM:

<u>USAGE</u>	<u>IMPAIRMENT</u>	<u>DOCUMENTATION</u>
Fishing	Stressed	Some
Fish Propagation	Stressed	Some
Fish Survival	Stressed	Some
Recreation	Stressed	Some
Aesthetics	Stressed	Some

TYPE OF POLLUTANT(S):

Silt (Sediment)
Nutrients

SOURCE (S) OF POLLUTANT (S):

Agriculture – Fertilizer Application – (L)
Agriculture – Barnyard Runoff – (L)
Agriculture – Manure Spreading – (L)
On-site Wastewater Systems – (M)
Streambank Stabilization/Restoration – (L)

WATER PROBLEM DESCRIPTION:

Use Impairment – Nutrients and pathogens are coming from failing on-site wastewater systems, local barnyard runoff and manure spreading. The use of fertilizer also contributes to the nutrient problem.

Streams contribute silt and sediment from streambank erosion.

COMMENTS:

Conditions need verification.

(* – Refer to Quad Map Legend

CHEMUNG COUNTY NONPOINT SOURCE WATER QUALITY ASSESSMENT LIST

Segment Name:	Marsh Dam	Date Completed:	6-15-92
Segment Type:	Waterbody	Priority:	Medium
DEC Region #:	8	(* Quad Map:	7
Classification:		Affected Area:	Waterbody

Segment Location:

Marsh Dam– Elmira Quad

DEGREE OF PROBLEM:

<u>USAGE</u>	<u>IMPAIRMENT</u>	<u>DOCUMENTATION</u>
Fishing	Stressed	Some
Fish Propagation	Stressed	Some
Fish Survival	Stressed	Some
Recreation	Stressed	Some
Aesthetics	Stressed	Some

TYPE OF POLLUTANT(S):

Silt (Sediment)
Nutrients

SOURCE (S) OF POLLUTANT (S):

Agriculture – Fertilizer Application – (L)
Agriculture – Barnyard Runoff – (L)
Agriculture – Manure Spreading – (L)
On-site Wastewater Systems – (M)
Streambank Stabilization/Restoration – (L)

WATER PROBLEM DESCRIPTION:

Use Impairment – Nutrients and pathogens are coming from failing on-site wastewater systems, local barnyard runoff and manure spreading. The use of fertilizer also contributes to the nutrient problem.

Streams contribute silt and sediment from streambank erosion.

COMMENTS:

Conditions need verification.

(* – Refer to Quad Map Legend

CHEMUNG COUNTY NONPOINT SOURCE WATER QUALITY ASSESSMENT LIST

Segment Name: Park Station Dam
Segment Type: Waterbody
Date Completed: 6-15-92
Priority: Medium
DEC Region #: 8
Classification:
(* Quad Map: 7
Affected Area: Waterbody

Segment Location:

Park Station – Erin Quad

DEGREE OF PROBLEM:

<u>USAGE</u>	<u>IMPAIRMENT</u>	<u>DOCUMENTATION</u>
Fishing	Stressed	Some
Fish Propagation	Stressed	Some
Fish Survival	Stressed	Some
Recreation	Stressed	Some
Aesthetics	Stressed	Some

TYPE OF POLLUTANT(S):

Silt (Sediment)
Nutrients

SOURCE (S) OF POLLUTANT (S):

Agriculture – Fertilizer Application – (L)
Agriculture – Barnyard Runoff – (L)
Agriculture – Manure Spreading – (L)
On-site Wastewater Systems – (M)
Streambank Stabilization/Restoration – (L)

WATER PROBLEM DESCRIPTION:

Use Impairment – Nutrients and pathogens are coming from failing on-site wastewater systems, local barnyard runoff and manure spreading. The use of fertilizer also contributes to the nutrient problem.

Streams contribute silt and sediment from streambank erosion.

COMMENTS:

Conditions need verification.

(* – Refer to Quad Map Legend

CHEMUNG COUNTY NONPOINT SOURCE WATER QUALITY ASSESSMENT LIST

Segment Name: Sullivanville Dam **Date Completed:** 6-15-92
Segment Type: Waterbody **Priority:** Medium
DEC Region #: 8 **(* Quad Map:** 6
Classification: **Affected Area:** Waterbody

Segment Location:

Sullivanville Dam – Horseheads Quad

DEGREE OF PROBLEM:

<u>USAGE</u>	<u>IMPAIRMENT</u>	<u>DOCUMENTATION</u>
Fishing	Stressed	Some
Fish Propagation	Stressed	Some
Fish Survival	Stressed	Some
Recreation	Stressed	Some
Aesthetics	Stressed	Some

TYPE OF POLLUTANT(S):

Silt (Sediment)
Nutrients

SOURCE (S) OF POLLUTANT (S):

Agriculture – Fertilizer Application – (L)
Agriculture – Barnyard Runoff – (L)
Agriculture – Manure Spreading – (L)
On-site Wastewater Systems – (M)
Streambank Stabilization/Restoration – (L)

WATER PROBLEM DESCRIPTION:

Use Impairment – Nutrients and pathogens are coming from failing on-site wastewater systems, local barnyard runoff and manure spreading. The use of fertilizer also contributes to the nutrient problem.

Streams contribute silt and sediment from streambank erosion.

COMMENTS:

Conditions need verification.

(* – Refer to Quad Map Legend

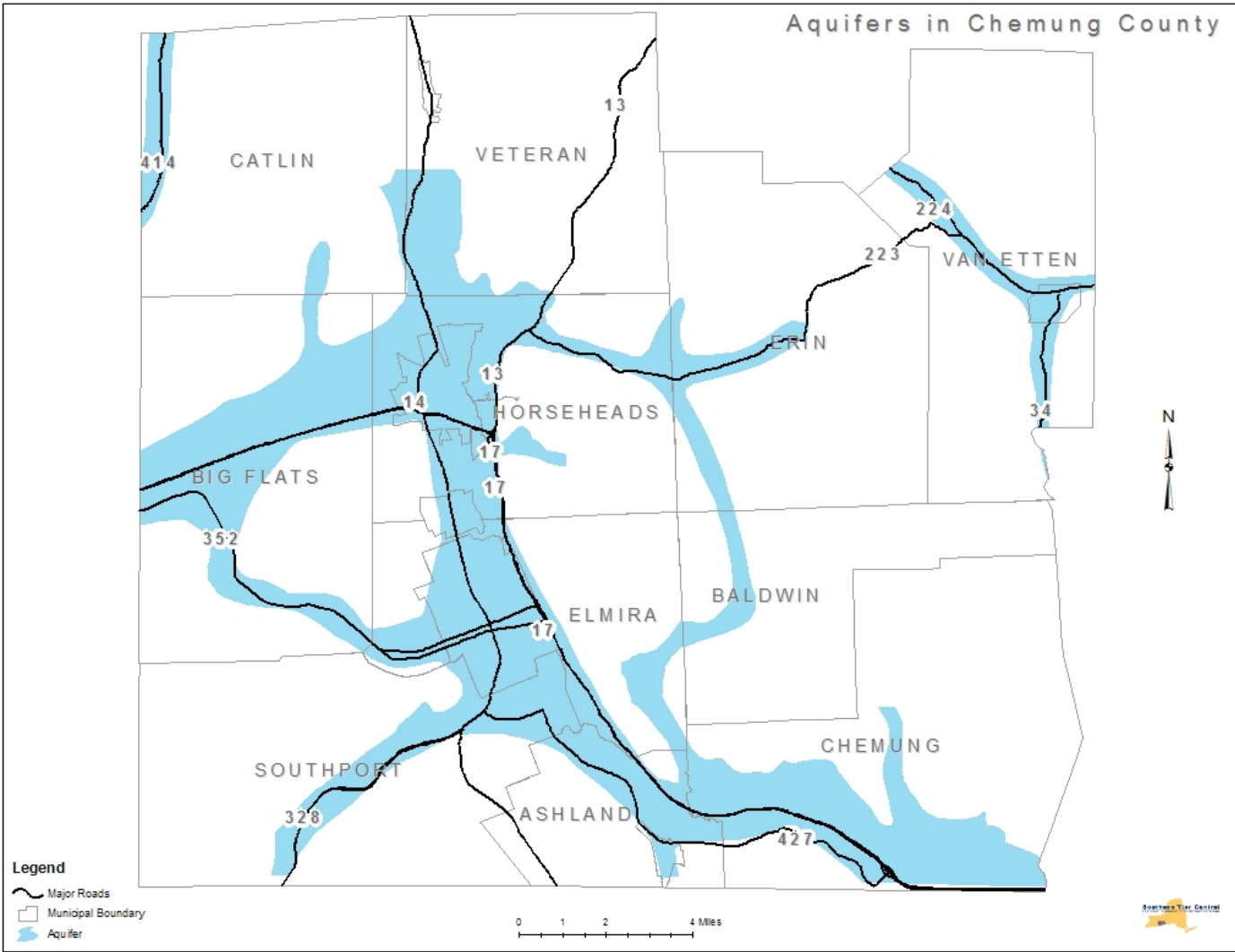
GROUNDWATER / AQUIFERS

HIGH PRIORITY

Big Flats
Horseheads

MEDIUM PRIORITY

Elmira



CHEMUNG COUNTY NONPOINT SOURCE WATER QUALITY ASSESSMENT LIST

Segment Name: Big Flats
Segment Type: Aquifer
Date Completed: 6-3-92
Priority: High
DEC Region #: 8
(*) Quad Map: 5
Classification: Affected Area: Aquifer

Segment Location:

Big Flats Aquifer

DEGREE OF PROBLEM:

USAGE

Drinking

IMPAIRMENT

Precluded

DOCUMENTATION

Good

TYPE OF POLLUTANT(S):

TCE

Nitrates

SOURCE (S) OF POLLUTANT (S):

Unknown

Agriculture – Farm Operations

On-site Wastewater Systems

WATER PROBLEM DESCRIPTION:

Since March of 1991, the Chemung County Health Department has been monitoring one of the Corning Inc. wells on Carpenter Road. In October 1991, the TCE levels exceeded state standards of 5 ppb. Employees are now drinking the Town of Big Flats water. Corning Inc. no longer uses these wells. The other Corning Inc. well had been closed to contamination earlier.

Groundwater samples have been taken in the Carpenter Road area. If contamination exceeding state standards is reported, the Town of Big Flats well in this area may be taken off line. Since the Town's other well is currently off line, Big Flats would be facing an emergency situation.

Nitrate levels exceeding 10mg/l closed one well in the early 1980's. Since then, the Town has monitored the levels every month. Readings vary between 4 and 8 mg/l. Although below standard, these levels exceed normal background amounts. Farm operations and septic systems may be contributing factors.

COMMENTS:

Conditions need verification.

(*) – Refer to Quad Map Legend

CHEMUNG COUNTY NONPOINT SOURCE WATER QUALITY ASSESSMENT LIST

Segment Name: Horseheads **Date Completed:** 6-3-92
Segment Type: Aquifer **Priority:** High
DEC Region #: 8 **(* Quad Map:** 6
Classification: **Affected Area:** Aquifer

Segment Location:

Big Flats Aquifer - Fisherville

DEGREE OF PROBLEM:

<u>USAGE</u>	<u>IMPAIRMENT</u>	<u>DOCUMENTATION</u>
Drinking	Precluded	Good

TYPE OF POLLUTANT(S):

1,1,1-Trichloroethane

SOURCE (S) OF POLLUTANT (S):

Unknown

WATER PROBLEM DESCRIPTION:

In 1987, the Town of Big Flats began the application process to obtain 1986 Environmental Quality Bond Act monies to purchase the Zone of Contribution to the Fisherville well. All mapping and documentation was ready to submit when, in early 1989, TCA was discovered in the well and it was closed in May 1989. TCA levels were 16 ppb (the state standard for most organic chemicals including TCA is 5 ppb). No sources were identified. Since then, the Town of Big Flats has applied unsuccessfully for two grants to extend public water and sewer to the Fisherville area. Since 1989 residents on private wells have been advised to use bottled water.

From March 30 – April 2, 1992, NYSDOH Bureau of Environmental Exposure Investigations has taken additional groundwater samples in the Fisherville area. More recent testing was conducted during the fall of 1995. An “Air Stripper” had been funded for construction in 1995-96.

COMMENTS:

Conditions need verification.

(* – Refer to Quad Map Legend

CHEMUNG COUNTY NONPOINT SOURCE WATER QUALITY ASSESSMENT LIST

Segment Name: Elmira
Segment Type: Aquifer
DEC Region #: 8
Classification:

Date Completed: 6-3-92
Priority: Medium
(*) Quad Map: 10
Affected Area: Aquifer

Segment Location:

Elmira Aquifer

DEGREE OF PROBLEM:

<u>USAGE</u>	<u>IMPAIRMENT</u>	<u>DOCUMENTATION</u>
Water Supply	Precluded	Good

TYPE OF POLLUTANT(S):

Priority Organics

SOURCE (S) OF POLLUTANT (S):

Land Disposals (Landfills)
Chemical Leaks and Spills

WATER PROBLEM DESCRIPTION:

Use impairment – Public water supply wells closed due to groundwater contamination.

By order of the EPA ROD, the Kentucky Avenue site is now under schedule for the 95% design of an air stripping facility to restore the Kentucky Avenue well as a treated drinking water supply capable of providing 700 gallons per minute, and installing recovery wells to prevent the further spread of contamination to the Newtown Creek aquifer. Construction of the facility is scheduled to begin in March of 1996 with completion and start-up scheduled for one year later. The Westinghouse site is the most likely source of TCE contamination. Westinghouse has agreed to contribute to the rehabilitation of the site, but has not claimed responsibility.

The Sullivan Street site under the direction and funding of the EPA has completed a two tower air stripping facility to treat and provide 2100 gallons per minute of treated drinking water from each owner. This facility was completed in May of 1994. Presently the Sullivan Street wells are being used as a stand-by water supply source. In 1992, a Remedial Investigation was conducted and an PA Record of Decision was completed at Purolator Products (former Facet Enterprises) which attempts to hydraulically isolate the plant with a series of pumping wells located at the South East corner of the plant at the aquifer boundary.

COMMENTS:

Conditions need verification.

(*) – Refer to Quad Map Legend

QUAD MAP LEGEND

- 1 – Beaver Dams
- 2 – Montour Falls
- 3 – Alpine
- 4 – West Danby
- 5 – Big Flats
- 6 – Horseheads
- 7 – Erin
- 8 – Van Etten
- 9 – Seeley Creek
- 10 – Elmira
- 11 – Wellsburg
- 12 – Waverly
- 13 – Millerton
- 14 – Gillett
- 15 – Bentley Creek
- 16 – Sayre

STRATEGY GOALS

STRATEGY GOALS

The Chemung County Water Quality committee has established six (6) goals to accomplish in the strategy plan. Utilization of all committee members and interested individuals will be required to achieve this task.

These goals are:

1. Maintain an updated listing of county-wide groundwater and watershed specific water quality concerns.
2. Collect, tabulate and consolidate available water quality information (testing, studies, etc.). This will be an ongoing project.
3. Establish a network between agencies.
 - a. no duplication of services
 - b. informed agencies are efficient agencies.
4. Promote and introduce specific programs that assist in preventing or alleviating water quality impairments.
5. Educate public on water quality issues.
6. Evaluate the program and make amendments as needed.

STRATEGY GOAL #1

STRATEGY GOAL #1 – Maintain an updated listing of county-wide groundwater and watershed specific water quality concerns.

BARNYARDS, AND MANURE SPREADING, LIVESTOCK ACCESS TO STREAMS

Objective:

To educate and provide technical assistance to alleviate water quality impairments caused by poor barnyard management and manure spreading.

Tasks:

- 1) Inventory all dairy barnyards and dairy manure spreading practices in Chemung County.
- 2) Inventory cattle access to streams and other water bodies.
- 3) Present an evaluation to each farmer visited.
- 4) Place priorities on these farms with the worst water quality impairment on top.

Responsible Party:

Chemung County Soil and Water Conservation District
USDA Natural Resources Conservation Service
USDA Consolidated Farm Service Agency

Estimated Cost:

\$4,500 - \$2,000 available

This is a consolidated topic encompassing four different strategies from Strategy Goal sections #1, #2, #4, and #5.

FERTILIZER / PESTICIDE APPLICATION – AGRICULTURE

Objective:

To establish Integrated Crop Management procedures on farms in Chemung County.

Tasks:

- 1) Scout for weeds and insects on 300-500 acres annually.
- 2) Assist farmers with manure and soil sampling.
- 3) Prepare Nutrient Management Plans with farmers (8 plans).
- 4) Conduct several on-farm meetings to discuss Integrated Crop Management.

Responsible Party:

USDA Natural Resources Conservation Service
Chemung County Soil and Water Conservation District (crop scouting)
Cornell Cooperative Extension of Chemung County

This is a consolidated topic encompassing three different strategies from Strategy Goal sections #1, #4, and #5.

STREAM STABILIZATION AND ENCROACHMENT FLOOD CONTROL CONCERNS

Objective:

To provide technical assistance to alleviate water quality impairments caused by flooding.

Tasks:

Maintain an updated list of watersheds which cause flooding and water quality concerns.

- 1) Five West Elmira Creeks:
 - Clark's Creek (Forest Hills)
 - Whirt's Creek (Larchmont Road)
 - Beecher Creek (Country Club)
 - Creeks (2) along Underwood and Hendy Avenues
- 2) Halderman Hollow/Diven Creek Watershed
- 3) For a list of creeks in Big Flats, refer to Strategy Goal section four under stream CHANNELIZATION.

Responsible Party:

Chemung County Water Quality Strategy Committee
Chemung County Planning Department
Town of Elmira Stormwater Coordinator
Town of Big Flats Stormwater Coordinator
Environmental Management Council

Time Frame:

On-going.

SURFACE MINING

Objective:

To assure the mines in Chemung County are utilizing Best Management Practices (BMP's) and when upon completion that a reclamation plan is implemented.

Tasks:

- 1) To locate active and inactive gravel mines throughout Chemung County. Identify if a reclamation plan was prepared and implemented.
- 2) Advise landowners of permits needed, if any, for gravel mining.
- 3) Assist the New York State Department of Environmental Conservation whenever possible on mine inspections.

Responsible Party:

Chemung County Soil and Water Conservation District
New York State Department of Environmental Conservation
Chemung County Highway Association

Time Frame:

On-going.

Funding:

Potential through grant applications.

Estimated Costs:

\$2,500.00 per year

URBAN RUNOFF

Objective:

To document the inter-connected stormwater management systems so that the Chemung County Stormwater Coalition can implement an effective Illicit Discharge Detection and Elimination (IDDE) process.

Task:

- 1.) Each community researches all digital and paper mapping to compile a map and database of stormwater drainage systems and outfalls consistent with NYSDEC guidance.
- 2.) Using GPS and other GIS tools, identify new/non-mapped features to add to the drainage systems map/database
- 3) Each community decides how to access the data, either through their GIS system or through the Internet Map Server (IMS) system.

Responsible Party:

Chemung County Stormwater Coalition

Time Frame:

On-going.

Funding:

Potential through grant applications.

Estimated Costs:

Dependent upon complexity of the system

STRATEGY GOAL #2

STRATEGY GOAL #2 – Collect, tabulate and consolidate available water quality information (testing, studies, etc.). This will be an ongoing project.

AQUIFERS / GROUNDWATER

Objective:

To collect and consolidate water quality information.

Tasks:

To build on the Ground Water Database compiled by the EPA in the Big Flats/Horseheads/Elmira Primary Aquifer as part of the EPA Multi-media project by updating the database with new water quality test results, contamination information, etc. provided by federal, state, local and citizen groups.

Responsible Party:

Southern Tier Central Regional Planning and Development Board

Time Frame:

Annually

Funding:

Potential Section 604(b) funds, local industry, developers.

Estimated Costs:

\$8,000.00 per year

DEVELOPMENT

Objective:

To identify potential pollution in the Catharine Creek watershed given the trends in development in the area. The study will be done in conjunction with the Schuyler County Soil and Water Conservation District and will use the GRASS geographical information system to analyze soils and land uses.

Tasks:

- 1) Digitize soils information, topography, and the land use of the watershed.
- 2) Input data into the GRASS program and GWLF program.

Responsible Party:

Cornell Cooperative Extension/The Water Resource Institute will have a partial role
Schuyler County Soil and Water Conservation District
Chemung County Soil and Water Conservation District

Time Frame:

Completion in 1996 is expected

Funding:

United States Environmental Protection Agency Office of Pollution Prevention grant.

Estimated Costs:

\$10,500.00

STRATEGY GOAL #3

- STRATEGY GOAL #3 – Establish a network between agencies.
- a) no duplication of services
 - b) informed agencies are efficient agencies

STREAM CHANNELIZATION AND ENCROACHMENT

Objective:

To implement stream corridor management concepts on all high priority streams.

Tasks:

Conduct flood plain management meetings for Town officials. Make the Stream Management Handbook and Flood Plain guide that were prepared by an EMC intern available to landowners.

Produce Video and educational material. Actively participate in the Twin Tiers River Corridor Council to protect and improve stream corridors.

Responsible Party:

New York State Department of Environmental Conservation
Chemung County Planning Department
Environmental Management Council
Chemung County Water Quality Strategy Committee

Time Frame:

On-going

Funding:

Registration fees – 100 participants @ \$10.00 each
Grants

Estimated Costs:

\$1,000.00

TIMBER HARVESTING

Objective:

To minimize/alleviate water quality impairments caused form improper timber harvesting practices.

Tasks:

- 1) Formulate a timber harvesting handbook that can be adopted and utilized by any timber harvester in Chemung County.
- 2) Implement a timber harvesting evaluation process/program.
- 3) Formulate a landowner handbook to assist in how to go about selling their timber.
- 4) Conduct an onsite workshop to go over the timber harvesting handbook with harvesters. Also, conduct an onsite workshop for landowners.
- 5) Horseheads has legislated; need to get Catlin and Southport to follow.
- 6) Set up model area for demonstration purposes.

Responsible Party:

Chemung County Soil and Water Conservation District
Chemung County Environmental Management Council
Chemung County Highway Association
New York State Department of Environmental Conservation

Time Frame:

1995 - 1996

Funding:

Aquatics program funding

Estimated Costs:

\$500.00

CHEMUNG COUNTY STORMWATER COALITION

Objective:

To maintain the Chemung County Stormwater Coalition so that it continues to meet Phase II SPDES Construction Permit requirements and to address shared urban runoff issues.

Task:

- 1.) Come to an agreement on ways that the involved communities can formally cooperate to undertake the program.
- 2.) Draft and adopt intermunicipal agreements.

Responsible parties:

Coalition municipalities

Other participating state and regional agencies (see membership list)

Time Frame:

Ongoing

Funding:

Round 8 Water Quality Improvement Program (WQIP)

Estimated Cost:

See grant contract

STRATEGY GOAL #4

STRATEGY GOAL #4 – Promote and introduce specific programs that assist in preventing or alleviating water quality impairments.

AQUIFERS / GROUNDWATER

Objective:

To undertake programs which minimize/alleviate water quality problems?

Tasks:

Undertook the Chemung/Steuben Wellhead Protection Demonstration Project which created a coordinated, comprehensive local enforcement program to protect drinking water in the Corning/Elmira/Horseheads area. Area code enforcement offices computerized their records management, learned about hazardous materials handling, and received print outs of GIS maps showing DEC/EPA regulated sites.

Responsible Party:

Southern Tier Central Regional Planning and Development Board

Time Frame:

1996 - 1997

Estimated Costs:

\$5,000.00

Tasks:

Assist Chemung County groundwater dependent communities such as the Town of Big Flats, the Town and Village of Horseheads, and the Town and City of Elmira, to implement groundwater protection strategies developed during the current regional program.

Responsible Party:

Southern Tier Central Regional Planning and Development Board

Time Frame:

1993 – 1996

Funding:

Potential Section 604(b) funding

Estimated Cost:

\$20,000.00

DEVELOPMENT

Objective:

To identify potential pollution in the Catharine Creek watershed given the trends in development in the area. The study will be done in conjunction with the Schuyler County Soil and Water Conservation District and will use the GRASS geographical information system to analyze soils and land uses.

Tasks:

- 1) Digitize soils information, topography, and the land use of the watershed.
- 2) Input data into the GRASS program and GWLF program.

Responsible Party:

Cornell Cooperative Extension/The Water Resource Institute will have a partial role
Schuyler County Soil and Water Conservation District
Chemung County Soil and Water Conservation District

Time Frame:

Completion in 1996 is expected.

Funding:

United States Environmental Protection Agency Office of Pollution Prevention grant.

Estimated Costs:

\$10,500.00

**BARNYARDS, MANURE SPREADING,
LIVESTOCK ACCESS TO STREAMS**

Objective:

To reduce nutrient loadings to the Chemung River and the Upper Susquehanna River Basins to retain farmland fertility and to improve the water quality in the Chesapeake Bay and its watershed.

Tasks:

To continue the work of the Upper Susquehanna Coalition which was formed in March 1994 with the creation of their Strategic Plan. *See attached brochure.*

Responsible Party:

See attached brochure.

Time Frame:

Annually

Funding:

Potential Chesapeake Bay Program funds, Section 319, Kaplan Foundation, Section 604 (b), Susquehanna River Basin Commission

Estimated Costs:

\$1.7 million per year for five years

DEVELOPMENT

Objective:

To reduce impacts on surface and groundwater from improper chemical bulk storage.

Tasks:

Encourage adoption of chemical bulk storage regulations by municipalities

Responsible Party:

Southern Tier Central Regional Planning and Development Board and interested communities

Time Frame:

ongoing

Funding:

Section 604 (b) Clean Water Act

Estimated Costs:

Depends on local interest.

HOUSEHOLD HAZARDOUS WASTE

Objective:

Educate the public on proper disposal of household hazardous waste and on alternatives to chemical use. Work towards establishing a permanent facility.

Tasks:

- 1) Hosting two Household Hazardous Waste Collection Days each year. In 1994 and 1995, farmers were added to the collection day, and in 1995 batteries were included. Electronic recycling was added to materials collected beginning in 2005 and Chemung County is working toward year-round electronic collection beginning in 2007.

Responsible Party:

Chemung County Landfill LLC
Chemung County Solid Waste Management District.
Cornell Cooperative Extension of Chemung County
Chemung County Sewer District
Chemung County Legislature

Time Frame:

1993 – on-going

Funding:

Chemung County funds the Collection Days, paid by the Chemung County Solid Waste Management District.

Estimated Costs:

Yearly cost: Approximately \$50,000

GOLF COURSES

Objective:

To sustain the quality of turf that golf superintendents demand while minimizing the adverse impact these management practices may have related to the environment. This should be done in a cost effective way.

Tasks:

- 1) Conduct seminars, demonstrations, tours, and field days to inform golf course superintendents about turf nutrition, pest management, and cultural practices, and ground water/surface water protection.
- 2) Provide detailed information related to fairway nutrition using complete soil analysis at a cost of \$13 – 26 per fairway. Tees and greens could be tested for \$13 per tee or green.

Responsible Party:

Cornell Cooperative Extension of Chemung County

Time Frame:

Programs are ongoing

Funding:

Registration and testing fees.

Estimated Costs:

Not relevant

ROAD SALT STORAGE

Objective:

To have all stock piles of road salt in Chemung County under cover by the end of 1997.

Tasks:

- 1) Contact New York State Department of Environmental Conservation for regulations concerning this issue.
- 2) Survey municipalities to see how they are presently storing road salt. A survey has been done, and a new survey will be done periodically.
- 3) Survey Health Department, NYS DEC, local governments, etc to see if the storage of road salt has been documented to have caused well or groundwater problems.
- 4) Hosted a workshop for municipalities to explain the serious threat to groundwater, public water supplies, and private wells if salt piles are not covered. In March of 1994, the Chemung County Soil and Water Conservation District organized an informal workshop in which the EPA and DEC clarified regulations for underground injection wells, salt storage facilities, fuel storage tanks, and vehicle servicing facilities. Specific cost-effective options for remedying violations were explored in the workbook. Thirty people attended.
- 5) Made a presentation to the Council of Governments and the Highway Association concerning this issue. These two groups were in attendance at the March 1994 workshop.
- 6) After a year, re-survey the municipalities.

Responsible Party:

Chemung County Highway Association
Cornell Cooperative Extension
Chemung County Environmental Management Council

Time Frame:

1995 - 1997

Funding:

The Environmental Management Council has located the source of funding for road salt storage facilities in the Environmental Facilities Corporation and has sent information to all Towns.

Estimated Costs:

\$1,000.00

STREAM CHANNEL STABILIZATION AND ENCROACHMENT

Objective:

To implement stream corridor management concepts on all high priority streams.

Tasks:

Plant Willow Wattles along Chemung County Streams.

Responsible Party:

USDA Natural Resources Conservation Service
Chemung County Soil and Water Conservation District/Chemung County Earth Team
Catharine Creek Chapter of Trout Unlimited

Time Frame:

1995 - 1997

Funding:

Not Relevant

Estimated Costs:

Not Relevant

STREAM CHANNEL STABILIZATION AND ENCROACHMENT

Objective:

To implement stream corridor management concepts on all high priority streams.

Tasks:

Develop and promote guidelines for removing gravel buildup in streams.

Responsible Party:

New York State Department of Environmental Conservation
Chemung County Soil and Water Conservation District

Time Frame:

1995 - 1997

Funding:

Not Relevant

Estimated Costs:

Not Relevant

STREAM CHANNEL STABILIZATION AND ENCROACHMENT

Objective:

To implement stream corridor management concepts on all high priority streams.

Tasks:

To provide ongoing technical assistance to secure grants where applicable in order to alleviate flooding problems.

Aid municipalities through the ongoing FEMA community rating system project.

Continue to provide assistance to banks, law firms, and individuals in Chemung County through flood referral forms and by identifying properties in flood plains.

Responsible Party:

Chemung County Planning Department

Time Frame:

Ongoing

Funding:

N/A

Estimated Costs:

N/A

**STREAM CHANNELIZATION,
SURFACE IMPOUNDING FLOOD CONTROL MEASURES**

Objective:

To deepen the Halderman Hollow/Diven Creek detention basin to contain the hundred year storm protection businesses and residents downstream.

Tasks:

Excavate and flatten the bottom of the existing detention basin to increase storage volumes from 39 acre-feet to 76 acre-feet by removing 34,000 cubic yards of material.

Install Rip-rap for the channel bottom of Halderman Hollow Creek for erosion protection at the spillway.

Install three Gabion structures to remove gravel upstream and at detention basin outlet.

See for grass stabilization throughout all divided areas including detention basin.

Responsible Party:

Chemung County Industrial Development Agency
Chemung County Department of Public Works
Town of Horseheads
Chemung County Planning Department

Time Frame:

1996

Funding:

Appalachian Regional Commission
Chemung County Industrial Development Agency
Town of Horseheads

Estimated Costs:

\$600,000

STREAM STABILIZATION AND ENCROACHMENT

Town of Elmira

Objective:

To prevent stream bottom and streambank erosion in the Town of Elmira.

Tasks:

- 1) Install drop structures to reduce water velocity.
- 2) Install stone, concrete, and vegetation to prevent bank and bottom erosion.
- 3) Clean creeks regularly to maintain channels.

Responsible Party:

Town of Elmira Stormwater Coordinator

Time Frame:

1995 – 2000

Funding:

\$40,000 for the Town of Elmira in 1995.

Some matching from Chemung County and property owners under the one-third program during 1995.

\$100,000 annually from the Town of Elmira 1996 and beyond.

Supplementary funding from outside the town as is available.

Estimated Costs:

\$100,000 per year for a total of \$400,000, 1996 – 2000

Plus a total of supplementary and matching funds as they become available.

**STREAM STABILIZATION AND ENCROACHMENT
Forest Hills Restoration Project**

Town of Elmira

Objective:

To stop streambed and bank erosion in a defined section of Clark's Creek.

Protect sheet piling which holds up Rustic Road.

Tasks:

- 1) Build up to eight drop structures to reduce water velocity.
- 2) Build the creek bed up as much as five to former levels.
- 3) Replace retaining walls along three private properties.

Responsible Party:

Town of Elmira
Property owners

Time Frame:

Town of Elmira
1/3 1/3 1/3 program with Chemung County
Government Assistance

Estimated Costs:

\$150,000

**STREAM STABILIZATION AND ENCROACHMENT
SURFACE IMPOUNDING**

Town of Elmira

Objective:

To prevent stream bottom and streambank erosion in the Town of Elmira.

Tasks:

- 1) Build a retention/detention pond at the top of Larchmont Road.
- 2) build two retention/detention ponds on the Elmira Country Club property.

Responsible Party:

Town of Elmira
Elmira Country Club

Funding:

Town of Elmira with available matching
Elmira Country Club

Estimated Costs:

\$300,000

**STREAM STABILIZATION AND ENCROACHMENT
Country Club Irrigation Project**

Town of Elmira and Elmira Country Club

Objective:

Remove eight million gallons per year demand from Elmira Water Board water processing plant.

Save Country Club \$20,000 per year in expenses for potable water.

Prevent down stream flooding by making more space available in retention ponds.

Tasks:

Install piping, pumps, etc. to connect retention ponds to Country Club irrigation system.

Responsible Party:

Elmira Country Club

Time Frame:

1996

Funding:

Elmira Country Club

Estimated Costs:

\$50,000

STREAM STABILIZATION AND ENCROACHMENT

Town of Big Flats

Objective:

To implement the Town of Big Flat's proposed projects.

Tasks:

Cuthrie Run Creek:

Continue bank stabilization up stream of Sing Sing Road bridge.

Stabilize streambanks and streambed at the gas line crossing site.

Route Clear stream of snags between Daniel Zenker Road and Route 17, between Route 17 and County Route 64, and between County Route 64 and the confluence with Sing Sing Creek.

Eacher Creek:

Maintain gabions, riprap, and check dam structures already in place, as required.

Owen Hollow Creek:

Maintain and monitor gravel mining operations in the Fawn Acres portion of the creek.

Remove snags from the lower portion of the creek between Fawn Acres and the bridge at Hillview.

York State Restore streambed between the bridge at Hillview and the retention pond located between Danielle Zenker Road from the pond. It is understood that this is the responsibility of the New York State DOT.

this is Clean silt out of retention pond and lower water overflow to lower level of the pond. This will alleviate groundwater problems across Daniel Zenker Road from the pond. It is understood that the responsibility of the New York State DOT.

Hammond Creek:

Clean creek and landscape banks between County Route 64 and Route 352.

Hendy Creek:

Monitor and remove gravel as required.

Maple Shade:

Extend storm drainage pipe on Cayuga to the intersection with Maple Road.

Repair old, or construct new swales north of Sing Sing Road on the Orsillo property to eliminate ponding on the north side of the road.

Thornbriar Estates:

Add catch basins, divert water flow at one location north of Valley View Drive, and add water diversion to stabilize bank at second location.

Evaluate performance of riprap/Tri Lok installations. Add treatment to Swales #1 and #2 as budget permits and conditions require.

Add catch basin or sump to culvert under Valley View Drive at the head of Swale #3. Extend the culvert on the north side of the road.

Yawger Creek and Park Terrace:

Repair the erosion problem of the Park Terrace drainage swale at the junction with Yawger Creek. The Chemung County SCS has committed to doing this.

West Hill Road A:

Stabilize bank at culvert crossing under West Hill Road A just south of Vanderhoff Road. The Chemung County SCS has committed to doing this.

Barnes Hill Drainage:

Install drainage swale from and near pond located above the Web Seal factory to either Alpine Drive or to existing swale at end of Larchmont Avenue. Thence connect through culvert under west end of Larchmont to a swale to be constructed south to existing swale directly south that runs between Glendale Drive and Woodlawn Way.

Improve drainage along Alpine Drive and Larchmont Avenue. Include replacing the culvert at the intersection of Alpine and Larchmont.

Davenport, Orchard Drive, Green Valley:

This area has experienced a continuing groundwater problem since the formation of the retention pond at the end of Owen Hollow Creek. Tentative plans have been generated to alleviate this problem and need to be pursued.

Additional Areas:

The following areas need to be looked at and programs generated to provide solutions to problems or to maintain physical assets already in place:

Gardener Creek:

From the Davenport area to Route 17, Route 17 to the Hamlet, and from the Hamlet to the Chemung River. County Line area, southern portion. Feeder canal in the Consumer Square area. Fisherville drainage swales.

Stream Mapping:

Sing Sing Creek and its tributaries in Big Flats were mapped to determine and located snags, bank erosion and other prominent features as part of an Eagle Scout project. This is continuing on an “as time permits” basis by the drainage officer. It would be timelier if it could be made a priority by the county and performed by interns or other such personnel. Big Flats has found this to be very useful and recommends it be done county wide.

Stream Flow:

It would be helpful if the county would sponsor and direct the placement of stream height gauges using a uniform base for all areas. Such gauges should be located at bridges at all critical stream locations throughout the county. The Town can supply the labor to install the gauges and supply the volunteer forces required to make timely readings and reports during heavy runoff within the confines of the Town. The gauges would be very helpful for predicting high water levels down stream from the points where read.

“Regional” Drainage Plan:

Encourage the completion of this engineering review of area wide stormwater drainage problems and solutions as part of the GEIS being prepared as part of the Town of Big Flats zoning update.

Responsible Party:

Big Flats Drainage Office

Time Frame:

Ongoing

STRATEGY GOAL #5

STRATEGY GOAL #5 – Educate public on water quality issues.

GENERAL WATER QUALITY ISSUES

Objective:

to educate the public and local officials on water quality issues and watershed planning.

Tasks:

- 1) Undertake Stream Clean Up efforts which will get people on the rivers and streams to see and deal with water quality problems in person.
- 2) Continue to install and maintain river access and boat launch sites to enable people from all walks-of-life to be on the river to fish, boat and recreate.
- 3.) Sponsor and take part in the Annual Chemung River Floats which are designed to get the public and local officials on the Chemung River and its tributaries to appreciate its value and protect the watershed.
- 4.) Improve the Chemung Basin River Trail Partnership webpage to provide information on water quality, river level, flooding, stewardship and other river related topics to the public.
- 5.) Sponsor and take part in the River Fest at the Grove Street launch site in Elmira, a watershed education project and celebration of the River.
- 6.) Create a Master Plan and Greenway Council supported and implemented by the Chemung River Council

Responsible Party:

Chemung Basin River Trail Partnership and all participating organizations
Chemung River Council
Clean Banks Program
River Watch

Time Frame:

Ongoing since 1999.

Funding:

NYSDEC river access construction/maintenance funds
604(b) STC staff time
Elmira/Corning Community Foundation
Chesapeake Bay Gateways Initiative grants
municipal highway crews and machinery
private sponsors

Estimated cost:

river access sites: approx. \$20,000 each
webpage update: \$10,000
Float: \$3-5,000

AQUIFERS / GROUNDWATER

Objective:

Educate the public on water quality issues.

Tasks:

- 1) Sponsor seminars on groundwater protection issues of wide interest including the impacts of law care chemicals and alternatives to septic systems.

A January 1995 workshop was conducted with speakers from DEC, Chemung County Sewer District, CHIT, STC, Big Flats ECC, and Fire Departments in which sixty businesses in Big Flats participated.

As part of the monitoring effort, chemical storage sheets are submitted to the Fire Departments and the Town of Big Flats.

Plans are being formulated to conduct a similar workshop in Horseheads. Continue monitoring Big Flats.

- 2) A brochure was prepared by an EMC intern specifying the roles of all relevant agencies that can provide environmental information or assistance. The phone numbers of the government offices are included.

Responsible Party:

Southern Tier Central Regional Planning and Development Board
Cornell Cooperative Extension

Time Frame:

One year

Funding:

Potential Section 604 (b) funds, registration fees.
\$100 postage and supplies from the Big Flats Environmental Conservation Committee.

Estimated Costs:

\$5,000

INDUSTRIAL WASTE

Objective:

Educate the industry on water quality issues.

Tasks:

Continue membership on the Southern Tier Environmental Health and Safety Group and support the STEHSG's activities by:

Assisting the Southern Tier Industrial Environmental Group as they select their programs for their monthly meetings. The Group, made up of industry environmental and safety compliance staff, regulators, and other, meets to share information on the most cost effective ways to meet compliance standards and protect the environment.

Helping the CCC Business Development Center to host training seminars by providing addresses of relevant companies and by forwarding educational materials.

Sharing industrial "real life" concerns about compliance costs with legislators so that legislation does not pose an unnecessary burden on industry while maintaining environmental standards. A "Legislative Forum" was held in 1995 with Bog King. Governor's office of Regulatory Reform (GORR).

Preparing articles on the impacts of nonpoint contamination and other related information for the Environmental Compliance Network Newsletter which is mailed to ECN members in twelve counties in central and western NY.

Responsible Party:

Chemung County Environmental Management Council
Southern Tier Central Regional Planning and Development Board

Time Frame:

Continuous

Funding:

Appalachian Regional Commission Technical Assistance Grant

Estimated Costs:

\$7,000 (approximately per year)

PESTICIDE / FERTILIZER APPLICATION – NON AGRICULTURAL

Objective:

Increase public awareness of the risks to water quality due to excessive or improper fertilizer and pesticide applications.

Tasks:

Since 2002, the Master Gardener Program works directly with homeowners on education of use of pesticides around the home and Integrated Pest Management (IPM) in formal and informal classes.

- 1) Public – Prepare a brochure and hold seminars for lawn owners and managers concerning the proper application techniques of fertilizer and pesticides to lawns. A brochure was prepared on the alternatives to using pesticides and fertilizers on lawns.

Need to mail the information on pesticides and fertilizers, but the audience has not been determined yet.

- 2) Certified Applicators – Conduct seminars for pesticide recertification credits and update applicators on equipment and the importance of proper fertilizer and pesticide application.

Responsible Party:

Cornell Cooperative Extension of Chemung County
Chemung County Soil and Water Conservation District
New York State Department of Environmental Conservation

Time Frame:

1993 - ongoing

Funding:

Application for grant funding.

Estimated Costs:

\$2,000 per year

PRIVATE WELL PROGRAM

Subject and Objective:

In a cooperative effort between the EMC, Cooperative Extension, and the Soil and Water Conservation District, a summer Private Well Program is conducted annually. The objective is to educate home owners with wells about the need for annual testing and to identify homes that may need to locate and remove contamination problems.

Tasks:

An agreement with a local laboratory is made that will give participants in this program a reduced rate on a well test.

Bottles are distributed with instructions on how to take samples.

Collection and testing occurs.

Results are given to the EMC.

Workshops are conducted to educate the public on the need for well monitoring and septic cleaning. The results are distributed. Representatives from the Health Department are on hand to answer questions concerning the results.

Educational materials are given out that assist the homeowner in proper maintenance.

Records are keyed to parcel numbers to facilitate putting the information on a GIS data base is being explored.

Time Frame:

Annual summer program as long as funds are available.

Estimated Costs:

\$4,000 is given to the program from the Soil and Water Conservation District. The well test varies from year to year depending on what is tested for. A request to the towns and villages for contributions is being explored.

ROAD SALT USE

Objective:

To educate the public and municipal highway departments on the proper use of road salt and its effect on the environment.

Tasks:

- 1) Public – Prepared a brochure on salt on the roads explaining why it's used and including the positive and negative effects of salt. In addition, it recommends regular well tests or water testing information from the supplier, especially if a road or salt storage facility is nearby. Safe levels of sodium chloride are specified for normal consumption and for those with high blood pressure. Distribute the brochure.
- 2) Highway Departments – Prepare a brochure on the proper use of salt. Explain the costs involved as well as the environmental problems associated with over-use.

Responsible Party:

Chemung County Highway Association
Cornell Cooperative Extension of Chemung County
Chemung County Environmental Management Council
Chemung County Department of Public Works

Time Frame:

1993 - ongoing

Funding:

Printing of the brochures - \$50.00 – paid by the Water Quality Strategy Committee
Finger Lakes Aquatic Vegetation Program

Estimated Costs:

\$2,000

SEPTIC SYSTEMS

Objective:

To identify potential sources of pollution caused by individual sewage disposal systems which may impact ground and surface waters in Chemung County.

Tasks:

- 1) Networking with local Code Enforcement officials to identify failing individual sewage disposal systems.
- 2) Provide information to the public on the proper operation and maintenance of individual sewage disposal systems.

Providing State pamphlets on sewage disposal systems.

Responsible Party:

Chemung County Health Department
Cornell Cooperative Extension of Chemung County

Time Frame:

On-going. Incorporated as part of the Chemung County Health Department's individual sewage disposal program.

Funding:

Not Relevant

Estimated Costs:

Not Relevant

STREAM CHANNEL STABILIZATION AND ENCROACHMENT

Objective:

To implement stream corridor management concepts on all high priority streams.

Tasks:

Conduct regional informational meetings concerning stream corridor management. Make the Stream Management Handbook and Flood Plain guide that were prepared by an EMC intern available to landowners.

Responsible Party:

Chemung County Soil and Water Conservation District/Chemung County Earth Team
Chemung County Environmental Management Council
USDA Natural Resources Conservation Service

Time Frame:

1995 - 1997

Funding:

USDA National Resource Conservation Service

Estimated Costs:

\$2,,000

STREAM STABLIZATION AND ENCROACHMENT

Objective:

Educate creek owners, lawn services, landscapers and other on the importance of maintaining the integrity of creeks.

Tasks:

- 1) Create mailing list of property owners where property abuts a creek.
- 2) Create mailing list of lawn services and landscapers.
- 3) Do periodic mailings of information and progress on creek programs.

Responsible Party:

Town of Elmira Stormwater Coordinator

Time Frame:

Ongoing. 1995 through 2000 and beyond.

Funding:

Town of Elmira
Help from other sources if available

Estimated Costs:

\$1,000

URBAN RUNOFF

Objective:

To minimize water quality impairments due to urban runoff and to help municipalities and contractors meet the Phase II SPDES Permit requirements.

Tasks:

- 1.) Public – Utilize workshops to educate the public concerning what types of problems urban runoff can cause. Make public aware of the diverse agencies that can assist them with various questions. Advise the public on ways that they can reduce their contribution to runoff problems.
- 2.) “Urbanized” Municipalities - Work with the Chemung County Stormwater Coalition, the twelve communities with “urbanized areas” to meet the Municipal Separate Storm Sewer System (MS4) Phase II SPDES Permit requirements By January 2008. These include Minimum Measure (MM) 1. public information and outreach, MM 2. public involvement, MM 3. illicit discharge detection and elimination, MM 4. erosion and sedimentation control during construction, MM 5. stormwater management after construction, and MM 6 municipal “good housekeeping” activities. Train local enforcement officials to be able to review Stormwater Pollution Prevention Plans (SWPPP) as part of development applications..

“Non-urbanized” municipalities - Encourage communities to update their subdivision and zoning laws to control erosion/sedimentation and post- construction stormwater management.
- 3.) Consulting Engineers and Developers – Utilize workshops and prepare a brochure illustrating where and how current information can be obtained and utilized.
- 4.) Storm Drain/Dry Well Stenciling Program -- Purchase and install metal information medallions to illustrate the connection to water quality. Use service groups, 4-H, Scouts and others.

Responsible Party:

Chemung County Stormwater Coalition and assisting agencies

Time Frame:

1993 - ongoing

Funding:

Section 319/Environmental Protection Fund grants targeted for MS4's
604(b) water quality staff time (STC)
NYS mini-grants
workshop fees
current code enforcement, highway department budgets

Estimated Costs:

varies

STRATEGY GOAL #6

STRATEGY GOAL #6 – Evaluate the program and make amendments as needed.

PROGRAM EVALUATION

Objective:

The success of the program will be evaluated concurrently with meetings and project reviews by the committee.

Tasks:

The following methods will be utilized to evaluate the success of the program:

- 1) Identify number of Best Management Practices (BMP's) installed
- 2) Document number of workshops and the attendance.
- 3) Conduct project research and monitoring

Responsible Party:

Chemung County Water Quality Strategy Committee.

Time Frame:

Ongoing

Funding:

Not Relevant

Estimated Costs:

Not Relevant

PROGRAM EVALUATION / PRIORITIZATION

Objective:

To assess the impacts of the projects listed in the plan on water quality and to identify future projects in areas of high concern.

Tasks:

Identify and map Best Management Practices (BMP) installed on the GIS. Gather copies of the evaluation processes and the results. Compile results and compute nutrients saved and sediments reduced.

Run watershed models to assess watersheds from high to low risk for nonpoint contamination. Overlay identified Stressed Stream segments and PWP lists. Submit to the county Water Quality Coordinating Committee as they select sites for implementation or prevention measures.

Responsible Party:

Southern Tier Central Regional Planning and Development Board

Time Frame:

Annually

Funding:

Potential Chesapeake Bay Program funds, Section 319, Section 604 (b), Susquehanna River Basin Commission

Estimated Costs:

Not determined to day (February 1996)

**CHEMUNG COUNTY
WATER QUALITY STRATEGY
COMMITTEE MEMBERS**

<u>Name</u>	<u>Agency</u>	<u>Address</u>	<u>Email</u>
Larry Lanterman	Town of Ashland Code Enforcement Officer	3663 Sixth Street Wellsburg, NY 14894	ashlandcode@stny.rr.com
Fred Roberts	Town of Ashland Highway Superintendent	3662 Sixth Street Wellsburg, NY 14894	ashlandwy@stny.rr.com
Vern Robinson	Town of Ashland Supervisor	2079 Robinson Road Wellsburg, NY 14894	
Mary Ann Balland	Town of Big Flats Supervisor	PO Box 449 Big Flats, NY 14814	mballand@bigflatsny.gov
Larry Wagner	Town of Big Flats Public Works Commissioner	476 Maple Street, PO Box 449 Big Flats, NY 14814	lwagner@bigflatsny.gov
Andy Avery	City of Elmira Dept. of Public Works	840 Linden Place Ext. Elmira, NY 14901	aavery@cityofelmira.net
Rose Mary Martino	Elmira Water Board	216 West Water Street Elmira, NY 14902	rmartino@elmirawaterboard.org
John Tonello	City of Elmira Mayor	317 East Church Street Elmira, NY 14901	jtonello@cityofelmira.net
Howard Lapple	Town of Elmira Supervisor	1255 West Water Street Elmira, NY 14905	hlapple@townofelmira.com
Matthew Mustico	Town of Elmira Super. of Highways	1255 West Water Street Elmira, NY 14905	highwaydept@townofelmira.com
Gary Patelunas	Town of Elmira Code Enforcement Officer	1255 West Water Street Elmira, NY 14905	codeenforcement@townofelmira.com
Arthur Caparula	Village of Elmira Heights Mayor	255A Glenwood Avenue Elmira Heights, NY 14903	topdog@stny.rr.com
Jean Cazorla	Village of Elmira Heights Super.of Public Works	215 Elmwood Avenue Elmira Heights, NY 14903	jeancazorla@stny.rr.com
Dennis Ellsworth	Village of Elmira Heights Code Enforcement Officer	215 Elmwood Avenue Elmira Heights, NY 14903	ehoce@stny.rr.com
Michael Edwards	Town of Horseheads Supervisor	150 Wygant Road Horseheads, NY 14845	supervisor@townofhds.com
Thomas Skebey	Town of Horseheads Code Enforcement Officer	150 Wygant Road Horseheads, NY 14845	tskebey@townofhds.com

<u>Name</u>	<u>Agency</u>	<u>Address</u>	<u>Email</u>
Patricia Gross	Village of Horseheads Mayor	202 South Main Street Horseheads, NY 14845	grocarlpat@aol.com
Chris Lawrick	Village of Horseheads Director of Public Works	202 South Main Street Horseheads, NY 14845	clawrick@horseheads.org
Sande Ayers	Village of Millport Mayor	4246 Main Street Millport, NY 14864	sayers@stny.rr.com
Charles Seager II	V. Millport/T. VanEtten Code Enforcement Officer	4766 MacDowell Road Odessa, NY 14869	odessachip@stny.rr.com
David Bachman	Town of Southport Super. of Highways	1139 Pennsylvania Avenue Elmira, NY 14904	railfan35@hotmail.com
Peter Rocchi	Town of Southport CEO	1139 Pennsylvania Avenue Elmira, NY 14904	procchi@townofsouthport.com
David Sheen	Town of Southport Supervisor	1139 Pennsylvania Ave. Elmira, NY 14904	dsheen@townofsouthport.com
Frank Rusby	Town of Veteran Deputy Supervisor	PO Box 183 Millport, NY 14864	rusby2387@aol.com
William Winkky	Town of Veteran Supervisor	4049 Watkins Road Millport, NY 14864	vetsupv@stny.rr.com
Glenn R. Hurd	Village of Wellsburg Mayor	225 Terrace Street Wellsburg, NY 14894	clerkofwell@stny.rr.com
Joseph Leonardi	Village of Wellsburg Code Enforcement Officer	2229 Ridge Road Lowman, NY 14861	codeassessor@stny.rr.com
Richard Gunderman	Chemung County Legislator	115 Gunderman Road Elmira, NY 14901	rgun22@yahoo.com
Pam Helming	Casella Waste Systems, Inc. Reg. Compliance Specialist	355 Post Farm Road Stanley, NY 14561	pat.helming@casella.com
James Lynch	Casella Waste Systems, Inc. Division Engineer	PO Box 2178 Elmira, NY 14903	jim.lynch@casella.com
Thomas Santulli	Chemung County County Executive	203 – 205 Lake Street, PO Box 588 Elmira, NY 14902	tsantulli@co.chemung.ny.us
Lee Younge	Chemung County EMC Director	141 Olcott Road Big Flats, NY 14814	lhyounge@stny.rr.com

<u>Name</u>	<u>Agency</u>	<u>Address</u>	<u>Email</u>
Thomas Kump	Chemung Co. Health Dept. Dir. of Enviro. Health	103 Washington Street, PO Box 588 Elmira, NY 14902	tkump@co.chemung.ny.us
Dennis Rathbun	Chemung Co. Health Dept. Enviro. Health Specialist	103 Washington St., PO Box 588 Elmira, NY 14902	drathbun@co.chemung.ny.us
Randy Olthof	Chemung Co. Planning Dept. Commissioner	400 E. Church Street Elmira, NY 14902	rolthof@co.chemung.ny.us
Scott Shaw	Chemung Co. Planning Dept.	400 East Church Street Elmira, NY 14902	shsaw@co.chemung.ny.us
Murl Sebring	Chemung Co. Public Works Dept. Interim Commissioner	803 Chemung Street Horseheads, NY 14845	msebring@co.chemung.ny.us
Gale Wolfe	Chemung Co. Sewer Districts Dir. of Environmental Services	600 Milton Street Elmira, NY 14904	gwolfe@co.chemung.ny.us
Mark Watts	Chemung County SWCD Director of Natural Resources	851 Chemung Street Horseheads, NY 14845	markwatts@stny.rr.com
Diane Fiorentino	Cornell Coop. Ext. of Chemung Co. Sr. Resource Educator – Enviro.	425 Pennsylvania Avenue Elmira, NY 14904	dmf29@cornell.edu
	Elmira/Corning Regional Airport Airport Manager	276 Sing Sing Road Horseheads, NY 14845	
Angus Eaton	NYSDEC Division of Water	625 Broadway Albany, NY 12233	akeaton@water.nysdec@gw.state.ny.us
Scott Rodabaugh	NYSDEC, Region 8 Flood Control Engineer	276 Sing Sing Road, Suite 1 Horseheads, NY 14845	sarodaba@gw.dec.state.ny.us
Dixon Rollins	NYSDEC, Region 8 Regional Water Engineer	6274 East Avon Lima Road Avon, NY 14414	dfrollins@gw.dec.state.ny.us
Lora Dewey	SCT BOCES Health and Safety Hygienist	459 Philo Road Elmira, NY 14903	ldewey@mail.sctboces.org
Jennifer Fais	STCRPDB Principal Planner	8 Denison Parkway E., Suite 310 Corning, NY 14830	jfais@stny.rr.com
Janet Thigpen	STCRPDB Flood Mitigation Specialist	PO Box 588 Elmira, NY 14902	jthigpen@co.chemung.ny.us
Chris Yearick	Upper Susquehanna Coalition	851 Chemung Street Horseheads, NY 14845	cdy3@cornell.edu
Melissa Yearick	Upper Susquehanna Coalition	851 Chemung Street Horseheads, NY 14845	Melissa@u-s-c.org

**AGENCY ROLES
AND
RESPONSIBILITIES**

AGENCY NAME: Chemung County Farm Bureau

REPRESENTATIVE: Kenneth Bush

ADDRESS: RD#2, Delv. 318
Elmira, NY 14901

PHONE: 607-733-4373

EMAIL:

ROLE OR RESPONSIBILITY OF YOUR ORGANIZATION:

MEETINGS – OPEN TO THE PUBLIC: Yes No

WHEN HELD – (ex. 2nd Tuesday of each month at 1:00): 3rd Thursday of each month at 8:00 PM

LOCATION: Various Board members homes

AGENDAS ARE AVAILABLE UPON REQUEST: Yes No

CONTACT PERSON: Kenneth Bush

OUR ORGANIZATION CAN ASSIST OTHER AGENCIES IN THE FOLLOWING WAYS: No reply

OUR ORGANIZATION CAN ASSIST MUNICIPALITIES IN THE FOLLOWING WAYS: No reply

OUR ORGANIZATION CAN ASSIST CHEMUNG COUNTY RESIDENTS IN THE FOLLOWING WAYS: No reply

OUR ORGANIZATION IS AVAILABLE TO OFFER PRESENTATIONS AND LECTURES:

Yes No

Subjects: no reply

OUR ORGANIZATION HAS VOLUNTEERS OR PAID EMPLOYEES WHO WILL – (Ex. Make on-site visits to recommend proper drainage): No reply

OUR ORGANIZATION WOULD LIKE TO BE A PART OF THE CHEMUNG COUNTY WATER QUALITY COMMITTEE: Yes No

WE WOULD LIKE TO STAY ON THE MAILING LIST BUT NOT BE AN ACTIVE MEMBER:

Yes No

WE WOULD LIKE TO BE ON THE SUB-COMMITTEE SET UP TO DEAL WITH THE FOLLIWNG WAER QUALITY ISSUES – (ex. Streambank erosion): No reply

COMMENTS: Chemung County Farm Bureau has the largest number of landowner members in Chemung County. We can alert our members of water quality problems and help to educate them on how to solve these problems.

OTHER ORGANIZATIONS OR AGENCIES YOU FEEL WOULD MAKE A GOOD COMMITTEE MEMBER: no reply

AGENCY NAME: Chemung Co. Health Department, Environmental Health Services

REPRESENTATIVE: Tom Kump
ADDRESS: 103 Washington Street, PO Box 588
Elmira, NY 14902
PHONE: 607-737-2109
EMAIL:

ROLE OR RESPONSIBILITY OF YOUR ORGANIZATION: Wide range of public health and environmental activities. See following page for organizational chart.

MEETINGS – OPEN TO THE PUBLIC: Yes No

WHEN HELD – (ex. 2nd Tuesday of each month at 1:00): 3rd Monday of each month at 7:30 PM

LOCATION: Conference room of the Health Department at the County Health Center.

AGENDAS ARE AVAILABLE UPON REQUEST: Yes No

CONTACT PERSON: Thomas Kump

OUR ORGANIZATION CAN ASSIST OTHER AGENCIES IN THE FOLLOWING WAYS: Responses on following page due to length (1-3). Responses limited to water quality/non-point source considerations. For our convenience, we have responded to questions 1, 2, 3 in a little different format.

OUR ORGANIZATION CAN ASSIST MUNICIPALITIES IN THE FOLLOWING WAYS: Same as above

OUR ORGANIZATION CAN ASSIST CHEMUNG COUNTY RESIDENTS IN THE FOLLOWING WAYS: Same as above

OUR ORGANIZATION IS AVAILABLE TO OFFER PRESENTATIONS AND LECTURES:

Yes No Subjects: Specific requests and public reviews

OUR ORGANIZATION HAS VOLUNTEERS OR PAID EMPLOYEES WHO WILL – (Ex. Make on-site visits to recommend proper drainage): Be responsive to those items listed in the response to questions 1, 2, 3 on following page

OUR ORGANIZATION WOULD LIKE TO BE A PART OF THE CHEMUNG COUNTY WATER QUALITY COMMITTEE: Yes No

WE WOULD LIKE TO STAY ON THE MAILING LIST BUT NOT BE AN ACTIVE MEMBER:
 Yes No

WE WOULD LIKE TO BE ON THE SUB-COMMITTEE SET UP TO DEAL WITH THE FOLLOWING WATER QUALITY ISSUES – (ex. Streambank erosion): We would like to reserve our response until committee structure is developed. We are interested in most waste related committees but our time is limited.

COMMENTS: No reply

OTHER ORGANIZATIONS OR AGENCIES YOU FEEL WOULD MAKE A GOOD COMMITTEE MEMBER: I'm not really sure I know all the current listing of agencies.

SERVICES; To other agencies (1); municipalities (2); residents or applicants (3).

- Plan reviews and input on projects related to water quality. (1,2,3)
- Information on specific sources. (1,2,3)
- Design standards relative to State Code. (3)
- Specific project information and assistance. (1,2,3)
- Soils information and design criteria for subsurface sewage disposal systems. (3)
- Information on Chemung County Health Department of New York State Environmental Conservation permitted projects. (1,2,3)
- Complaint investigation and response. (2,3)
- Emergency response to surface of groundwater problems, spills, etc. (2,3)
- Site inspections for specific projects. (3)
- Discussion with applicants or applicant's representatives on conceptional proposals. (3)
- Inspection of completed works. (2,3)
- Operational inspection and technical assistance and advice. (2,3)
- Groundwater monitoring of specific projects. (2,3)
- Groundwater and surface water quality data. (1,2)
- Advice of private well problems. (3)
- Advice in individual sewage disposal problems. (3)
- Assistance on grant or loan applications for improvement projects. (2)
- On-site evaluation and application assistance for individual sewage applicants. (3)

AGENCY NAME: Chemung County Soil and Water Conservation District
REPRESENTATIVE: Mark Watts, District Manager
ADDRESS: 852 Chemung Street
Horseheads, NY 14845
PHONE: 607-739-2009
EMAIL:

ROLE OR RESPONSIBILITY OF YOUR ORGANIZATION: Protect and enhance the natural resources of Chemung County through water quality management, conservation education, and the use of Best management Practices (BMP's)

MEETINGS – OPEN TO THE PUBLIC: Yes No

WHEN HELD – (ex. 2nd Tuesday of each month at 1:00): 2nd Tuesday of each month at 1:00 PM

LOCATION: 209 North Main Street, Horseheads, NY 14845

AGENDAS ARE AVAILABLE UPON REQUEST: Yes No

CONTACT PERSON: Karen Tillotson– District Secretary

OUR ORGANIZATION CAN ASSIST OTHER AGENCIES IN THE FOLLOWING WAYS: Soil descriptions, best management practices for agriculture and forestry, site development reviews, assistance in stream restoration and NYSDEC permits, pond site recommendations, wildlife plans, and wetlands assistance

OUR ORGANIZATION CAN ASSIST MUNICIPALITIES IN THE FOLLOWING WAYS: Soils information, hydroseeding, wetlands information, permit applications for NYS DEC and Army Corps, stream restoration, gravel mine permits, sponsor workshops, water quality, site development reviews, forestry assistance.

OUR ORGANIZATION CAN ASSIST CHEMUNG COUNTY RESIDENTS IN THE FOLLOWING WAYS: Same as above

OUR ORGANIZATION IS AVAILABLE TO OFFER PRESENTATIONS AND LECTURES:

Yes No Subjects: Anything stated above

OUR ORGANIZATION HAS VOLUNTEERS OR PAID EMPLOYEES WHO WILL – (Ex. Make on-site visits to recommend proper drainage): Drainage assistance, firewood marking, best management practices for land use (ex. Wildlife plans, logging, critical area seedings).

OUR ORGANIZATION WOULD LIKE TO BE A PART OF THE CHEMUNG COUNTY WATER QUALITY COMMITTEE: Yes No

WE WOULD LIKE TO STAY ON THE MAILING LIST BUT NOT BE AN ACTIVE MEMBER:
 Yes No

WE WOULD LIKE TO BE ON THE SUB-COMMITTEE SET UP TO DEAL WITH THE FOLLIWNG WAER QUALITY ISSUES – (ex. Streambank erosion): Streambank erosion site developments, wetlands, road salt.

COMMENTS:

AGENCY NAME: Chemung County Sewer Districts

REPRESENTATIVE: Gale Wolfe

ADDRESS: 600 Milton Street
Elmira, NY 14904

PHONE: 607-733-2887

EMAIL:

ROLE OR RESPONSIBILITY OF YOUR ORGANIZATION: Executive Director

MEETINGS – OPEN TO THE PUBLIC: Yes No

WHEN HELD – (ex. 2nd Tuesday of each month at 1:00): 2nd Thursday at 4:00, ESD – 3rd Thursday at 3:00

LOCATION: 600 Milton Street

AGENDAS ARE AVAILABLE UPON REQUEST: Yes No

CONTACT PERSON: Gale Wolfe

OUR ORGANIZATION CAN ASSIST OTHER AGENCIES IN THE FOLLOWING WAYS: Education regarding municipal waste water collection and treatment

OUR ORGANIZATION CAN ASSIST MUNICIPALITIES IN THE FOLLOWING WAYS: Same as above

OUR ORGANIZATION CAN ASSIST CHEMUNG COUNTY RESIDENTS IN THE FOLLOWING WAYS: Same as above

OUR ORGANIZATION IS AVAILABLE TO OFFER PRESENTATIONS AND LECTURES:

Yes No Subjects: Waste water collection and treatment

OUR ORGANIZATION HAS VOLUNTEERS OR PAID EMPLOYEES WHO WILL – (Ex. Make on-site visits to recommend proper drainage): No reply

OUR ORGANIZATION WOULD LIKE TO BE A PART OF THE CHEMUNG COUNTY WATER QUALITY COMMITTEE: Yes No

WE WOULD LIKE TO STAY ON THE MAILING LIST BUT NOT BE AN ACTIVE MEMBER:

Yes No

WE WOULD LIKE TO BE ON THE SUB-COMMITTEE SET UP TO DEAL WITH THE FOLLIWNG WAER QUALITY ISSUES – (ex. Streambank erosion): Water quality, hazardous waste, road salt, drainage

COMMENTS: This community needs to address the problems with, and lack of, hazardous waste disposal points. Where do homeowners take that old can of pesticides, etc....Sewer Districts are interested in this.

AGENCY NAME: Chemung County Planning Dept.

REPRESENTATIVE: Randy Olthof

ADDRESS: 400 East Church Street, PO Box 588
Elmira, NY 14902

PHONE: 607-737-5510

EMAIL:

ROLE OR RESPONSIBILITY OF YOUR ORGANIZATION: County government planning services and advisory services to municipal governments in land use, economic development, and environmental management.

MEETINGS – OPEN TO THE PUBLIC: Yes No

WHEN HELD – (ex. 2nd Tuesday of each month at 1:00): 3rd Thursday monthly, 3:30 PM

LOCATION:

AGENDAS ARE AVAILABLE UPON REQUEST: Yes No

CONTACT PERSON: Nanette Moss

OUR ORGANIZATION CAN ASSIST OTHER AGENCIES IN THE FOLLOWING WAYS: Coordination with municipal, County, regional, State, federal regulatory agencies, grant sources, mapping services; special projects research and implementation.

OUR ORGANIZATION CAN ASSIST MUNICIPALITIES IN THE FOLLOWING WAYS: Same as above

OUR ORGANIZATION CAN ASSIST CHEMUNG COUNTY RESIDENTS IN THE FOLLOWING WAYS: Liaison with appropriate regulatory agencies and municipal governments; flood hazard classification determinations for specific properties; public information dissemination concerning applicable laws, regulations, assistance sources.

OUR ORGANIZATION IS AVAILABLE TO OFFER PRESENTATIONS AND LECTURES:

Yes No Subjects: Land use policies, laws, regulations, community needs assessment methods, specific development projects underway.

OUR ORGANIZATION HAS VOLUNTEERS OR PAID EMPLOYEES WHO WILL – (Ex. Make on-site visits to recommend proper drainage): No reply

OUR ORGANIZATION WOULD LIKE TO BE A PART OF THE CHEMUNG COUNTY WATER QUALITY COMMITTEE: Yes No

WE WOULD LIKE TO STAY ON THE MAILING LIST BUT NOT BE AN ACTIVE MEMBER:
 Yes No

WE WOULD LIKE TO BE ON THE SUB-COMMITTEE SET UP TO DEAL WITH THE FOLLIWNG WAER QUALITY ISSUES – (ex. Streambank erosion): Floodplain management; surface flooding/areawide water quality management issues

COMMENTS: No reply.

OTHER ORGANIZATIONS OR AGENCIES YOU FEEL WOULD MAKE A GOOD COMMITTEE MEMBER: No reply

AGENCY NAME: Chemung County Parks and Recreation Department
REPRESENTATIVE: Robert Harris
ADDRESS: 599 Harris Hill Road
Elmira, NY 14903
PHONE: 607-737-2907
EMAIL:

ROLE OR RESPONSIBILITY OF YOUR ORGANIZATION:

MEETINGS – OPEN TO THE PUBLIC: Yes No

WHEN HELD – (ex. 2nd Tuesday of each month at 1:00): Receive direction from Buildings and Grounds Committee.

LOCATION: Meets at the Hazlett Building the 4th Tuesday of the month.

AGENDAS ARE AVAILABLE UPON REQUEST: Yes No

CONTACT PERSON: Bob Harris

OUR ORGANIZATION CAN ASSIST OTHER AGENCIES IN THE FOLLOWING WAYS: Technical advice on park operation, water systems and pool operation.

OUR ORGANIZATION CAN ASSIST MUNICIPALITIES IN THE FOLLOWING WAYS: Same as above

OUR ORGANIZATION CAN ASSIST CHEMUNG COUNTY RESIDENTS IN THE FOLLOWING WAYS: Don't provide assistance to individuals.

OUR ORGANIZATION IS AVAILABLE TO OFFER PRESENTATIONS AND LECTURES:

Yes No Subjects: Parks, Cohesion Programs.

OUR ORGANIZATION HAS VOLUNTEERS OR PAID EMPLOYEES WHO WILL – (Ex. Make on-site visits to recommend proper drainage): On one available

OUR ORGANIZATION WOULD LIKE TO BE A PART OF THE CHEMUNG COUNTY WATER QUALITY COMMITTEE: Yes No

WE WOULD LIKE TO STAY ON THE MAILING LIST BUT NOT BE AN ACTIVE MEMBER:

Yes No

WE WOULD LIKE TO BE ON THE SUB-COMMITTEE SET UP TO DEAL WITH THE FOLLIWNG WAER QUALITY ISSUES – (ex. Streambank erosion): No reply

AGENCY NAME: **City of Elmira**
REPRESENTATIVE: Andrew Avery
ADDRESS: 840 Linden Place Extension
Elmira, NY 14901
PHONE: 607-737-5766
EMAIL:

ROLE OR RESPONSIBILITY OF YOUR ORGANIZATION: City of Elmira Public Works

MEETINGS – OPEN TO THE PUBLIC: Yes No

WHEN HELD – (ex. 2nd Tuesday of each month at 1:00): Every other Monday @ 7:30 PM

LOCATION: City Hall, Elmira, NY

AGENDAS ARE AVAILABLE UPON REQUEST: Yes No

CONTACT PERSON: City Clerk

OUR ORGANIZATION CAN ASSIST OTHER AGENCIES IN THE FOLLOWING WAYS: Information, inspections, assistance.

OUR ORGANIZATION CAN ASSIST MUNICIPALITIES IN THE FOLLOWING WAYS: We are a municipality.

OUR ORGANIZATION CAN ASSIST CHEMUNG COUNTY RESIDENTS IN THE FOLLOWING WAYS: Information, assistance.

OUR ORGANIZATION IS AVAILABLE TO OFFER PRESENTATIONS AND LECTURES:

Yes No Subjects: Water conservation/pollution/hazardous waste.

OUR ORGANIZATION HAS VOLUNTEERS OR PAID EMPLOYEES WHO WILL – (Ex. Make on-site visits to recommend proper drainage): Yes

OUR ORGANIZATION WOULD LIKE TO BE A PART OF THE CHEMUNG COUNTY WATER QUALITY COMMITTEE: Yes No

WE WOULD LIKE TO STAY ON THE MAILING LIST BUT NOT BE AN ACTIVE MEMBER:

Yes No

WE WOULD LIKE TO BE ON THE SUB-COMMITTEE SET UP TO DEAL WITH THE FOLLIWNG WAER QUALITY ISSUES – (ex. Streambank erosion): Streambank, stormwater, hazardous waste.

COMMENTS: No reply.

OTHER ORGANIZATIONS OR AGENCIES YOU FEEL WOULD MAKE A GOOD COMMITTEE MEMBER: Chamber of Commerce.

AGENCY NAME: **Cornell Cooperative Extension of Chemung County**
REPRESENTATIVE: Diane Fiorentino
ADDRESS: 425 Pennsylvania Avenue
Elmira, NY 14904
PHONE: 607-734-4453
EMAIL: **dmf29@cornell.edu**

ROLE OR RESPONSIBILITY OF YOUR ORGANIZATION: to disseminate search generated knowledge in the community.

MEETINGS – OPEN TO THE PUBLIC: Yes No

WHEN HELD – (ex. 2nd Tuesday of each month at 1:00): 2nd Wednesday of every month

LOCATION: Human Resource Building

AGENDAS ARE AVAILABLE UPON REQUEST: Yes No

CONTACT PERSON: Diane Fiorentino

OUR ORGANIZATION CAN ASSIST OTHER AGENCIES IN THE FOLLOWING WAYS: Educational programming, client questions (information seeking), clinics, networking.

OUR ORGANIZATION CAN ASSIST MUNICIPALITIES IN THE FOLLOWING WAYS: Same as above. Also: Leadership skills training – local and county officials.

OUR ORGANIZATION CAN ASSIST CHEMUNG COUNTY RESIDENTS IN THE FOLLOWING WAYS: Same as above.

OUR ORGANIZATION IS AVAILABLE TO OFFER PRESENTATIONS AND LECTURES:

Yes No Subjects: Water Quality/solid waste/chemical education.

OUR ORGANIZATION HAS VOLUNTEERS OR PAID EMPLOYEES WHO WILL – (Ex. Make on-site visits to recommend proper drainage): same as above. Mainly in-service clinics, meetings, youth program (school & 4-H, etc.)

OUR ORGANIZATION WOULD LIKE TO BE A PART OF THE CHEMUNG COUNTY WATER QUALITY COMMITTEE: Yes No

WE WOULD LIKE TO STAY ON THE MAILING LIST BUT NOT BE AN ACTIVE MEMBER:
 Yes No

WE WOULD LIKE TO BE ON THE SUB-COMMITTEE SET UP TO DEAL WITH THE FOLLIWNG WAER QUALITY ISSUES – (ex. Streambank erosion): Possibility as I would get to know the committee and the mission, agenda, etc....

COMMENTS: No reply.

OTHER ORGANIZATIONS OR AGENCIES YOU FEEL WOULD MAKE A GOOD COMMITTEE MEMBER: No reply

AGENCY NAME: **Environmental Management Council**

REPRESENTATIVE: Lee Younge

ADDRESS: 41 Olcott Road
Big Flats, NY 14814

PHONE: 607-562-3988 **EMAIL:**

ROLE OR RESPONSIBILITY OF YOUR ORGANIZATION: Assist legislature, municipalities, citizens by providing environmental advice. Review laws and practices.

MEETINGS – OPEN TO THE PUBLIC: Yes No

WHEN HELD – (ex. 2nd Tuesday of each month at 1:00): 3rd Wednesday, 3:30 PM

LOCATION: Human Resource Building

AGENDAS ARE AVAILABLE UPON REQUEST: Yes No

CONTACT PERSON: Lee Younge

OUR ORGANIZATION CAN ASSIST OTHER AGENCIES IN THE FOLLOWING WAYS: SEQR, environmental issues, State and County environmental laws, education, recycling.

OUR ORGANIZATION CAN ASSIST MUNICIPALITIES IN THE FOLLOWING WAYS: Same as above

OUR ORGANIZATION CAN ASSIST CHEMUNG COUNTY RESIDENTS IN THE FOLLOWING WAYS: Review projects, give advice on environmental laws and regulations, recycling, household hazardous waste.

OUR ORGANIZATION IS AVAILABLE TO OFFER PRESENTATIONS AND LECTURES:

Yes No Subjects: No reply

OUR ORGANIZATION HAS VOLUNTEERS OR PAID EMPLOYEES WHO WILL – (Ex. Make on-site visits to recommend proper drainage: Public speaking, environmental recommendations, assist with publications, site work.

OUR ORGANIZATION WOULD LIKE TO BE A PART OF THE CHEMUNG COUNTY WATER QUALITY COMMITTEE: Yes No

WE WOULD LIKE TO STAY ON THE MAILING LIST BUT NOT BE AN ACTIVE MEMBER:

Yes No

WE WOULD LIKE TO BE ON THE SUB-COMMITTEE SET UP TO DEAL WITH THE FOLLIWNG WAER QUALITY ISSUES – (ex. Streambank erosion): Water quality, hazardous waste, road salt, drainage

AGENCY NAME: **Town of Horseheads**

REPRESENTATIVE: Kevin G. Smith

ADDRESS: 150 Wygant Road
Horseheads, NY 14845

PHONE: 607-739-8783

EMAIL:

ROLE OR RESPONSIBILITY OF YOUR ORGANIZATION: Highway Maintenance

MEETINGS – OPEN TO THE PUBLIC: Yes No

WHEN HELD – (ex. 2nd Tuesday of each month at 1:00): 2nd Wednesday of every month at 7:30 PM

LOCATION: 150 Wygant Road, Horseheads, NY

AGENDAS ARE AVAILABLE UPON REQUEST: Yes No

CONTACT PERSON: Nancy Rhode, Town Clerk

OUR ORGANIZATION CAN ASSIST OTHER AGENCIES IN THE FOLLOWING WAYS: No reply.

OUR ORGANIZATION CAN ASSIST MUNICIPALITIES IN THE FOLLOWING WAYS: Equipment.

OUR ORGANIZATION CAN ASSIST CHEMUNG COUNTY RESIDENTS IN THE FOLLOWING WAYS: Use of equipment for stream stabilization..

OUR ORGANIZATION IS AVAILABLE TO OFFER PRESENTATIONS AND LECTURES:

Yes No

Subjects: No reply.

OUR ORGANIZATION HAS VOLUNTEERS OR PAID EMPLOYEES WHO WILL – (Ex. Make on-site visits to recommend proper drainage): No

OUR ORGANIZATION WOULD LIKE TO BE A PART OF THE CHEMUNG COUNTY WATER QUALITY COMMITTEE: Yes No

WE WOULD LIKE TO STAY ON THE MAILING LIST BUT NOT BE AN ACTIVE MEMBER:

Yes No

WE WOULD LIKE TO BE ON THE SUB-COMMITTEE SET UP TO DEAL WITH THE FOLLIWNG WAER QUALITY ISSUES – (ex. Streambank erosion): Stream work.

COMMENTS: No reply.

OTHER ORGANIZATIONS OR AGENCIES YOU FEEL WOULD MAKE A GOOD COMMITTEE MEMBER: No reply

AGENCY NAME: **Southern Tier Central Regional Planning & Dev. Bd.**
REPRESENTATIVE: Jennifer Fais (Fice)
ADDRESS: 8 Denison Parkway East, Suite 310
Corning, NY 14830
PHONE: 607-962-5092
EMAIL:

ROLE OR RESPONSIBILITY OF YOUR ORGANIZATION: Provides a variety of Planning Services to units of government and the private sector in Chemung, Schuyler, and Steuben Counties.

MEETINGS – OPEN TO THE PUBLIC: Yes No

WHEN HELD – (PRAC: 2nd Tuesday of every other month at 2:30): (Board): 3rd Thursday of every month at 4:30 PM

LOCATION: 8 Denison Parkway East, Suite 310, Corning, NY

AGENDAS ARE AVAILABLE UPON REQUEST: Yes No

CONTACT PERSON: Jennifer Fais

OUR ORGANIZATION CAN ASSIST OTHER AGENCIES IN THE FOLLOWING WAYS: We provide technical assistance in stormwater management, Low Impact Development (LID), groundwater protection, watershed planning and water quality; maintain environmental library, paper files and GIS; and can assist communities meet the NYS Environmental Quality Review Act (SEQR).

OUR ORGANIZATION CAN ASSIST MUNICIPALITIES IN THE FOLLOWING WAYS: Same as above. And direct assistance on Land Use Planning issues with emphasis on Water Quality Impacts.

OUR ORGANIZATION CAN ASSIST CHEMUNG COUNTY RESIDENTS IN THE FOLLOWING WAYS: Same as above.

OUR ORGANIZATION IS AVAILABLE TO OFFER PRESENTATIONS AND LECTURES:

Yes No Subjects: Water Quality/Land Use Planning.

OUR ORGANIZATION HAS VOLUNTEERS OR PAID EMPLOYEES WHO WILL – (Ex. Make on-site visits to recommend proper drainage): provide GIS data and mapping, help write grants for water quality funding.

OUR ORGANIZATION WOULD LIKE TO BE A PART OF THE CHEMUNG COUNTY WATER QUALITY COMMITTEE: Yes No

WE WOULD LIKE TO STAY ON THE MAILING LIST BUT NOT BE AN ACTIVE MEMBER:
 Yes No

WE WOULD LIKE TO BE ON THE SUB-COMMITTEE SET UP TO DEAL WITH THE FOLLIWNG WAER QUALITY ISSUES – (ex. Streambank erosion): Groundwater impacts.

COMMENTS: We are pleased to be members of the Strategy Committee and offer our assistance as needed.

OTHER ORGANIZATIONS OR AGENCIES YOU FEEL WOULD MAKE A GOOD COMMITTEE MEMBER: none

AGENCY NAME: **New York State Department of Environmental Conservation**
REPRESENTATIVE: Scott Rodabaugh
ADDRESS: 276 Sing Sing Road, Suite 1
Horseheads, NY 14845
PHONE: 607-739-0809
EMAIL:

ROLE OR RESPONSIBILITY OF YOUR ORGANIZATION: Operation and maintenance of flood protection projects.

MEETINGS – OPEN TO THE PUBLIC: Yes No

WHEN HELD – (ex. 2nd Tuesday of each month at 1:00):

LOCATION: Not applicable

AGENDAS ARE AVAILABLE UPON REQUEST: Yes No

CONTACT PERSON: Scott Rodabaugh

OUR ORGANIZATION CAN ASSIST OTHER AGENCIES IN THE FOLLOWING WAYS: No reply.

OUR ORGANIZATION CAN ASSIST MUNICIPALITIES IN THE FOLLOWING WAYS: Provide guidance manuals and technical assistance on streambank and bed maintenance for flood flow purposes.

OUR ORGANIZATION CAN ASSIST CHEMUNG COUNTY RESIDENTS IN THE FOLLOWING WAYS: No reply.

OUR ORGANIZATION IS AVAILABLE TO OFFER PRESENTATIONS AND LECTURES:

Yes No Subjects: Water

OUR ORGANIZATION HAS VOLUNTEERS OR PAID EMPLOYEES WHO WILL – (Ex. Make on-site visits to recommend proper drainage): Make on-site visits to recommend proper drainage.

OUR ORGANIZATION WOULD LIKE TO BE A PART OF THE CHEMUNG COUNTY WATER QUALITY COMMITTEE: Yes No

WE WOULD LIKE TO STAY ON THE MAILING LIST BUT NOT BE AN ACTIVE MEMBER:

Yes No

WE WOULD LIKE TO BE ON THE SUB-COMMITTEE SET UP TO DEAL WITH THE FOLLIWNG WAER QUALITY ISSUES – (ex. Streambank erosion): Streambank erosion.

COMMENTS: No reply.

OTHER ORGANIZATIONS OR AGENCIES YOU FEEL WOULD MAKE A GOOD COMMITTEE MEMBER: No reply

AGENCY NAME: **New York State Department of Environmental Conservation**

REPRESENTATIVE: Dave Persson

ADDRESS: 6274 East Avon-Lima Road
Avon, NY 14414

PHONE:

EMAIL:

ROLE OR RESPONSIBILITY OF YOUR ORGANIZATION: Water quality and quantity are controlled through setting standards, issuing permits, monitoring water quality and supply, planning and coordinating water resource management activities with other federal, state and local entities.

MEETINGS – OPEN TO THE PUBLIC: Yes No

WHEN HELD – (ex. 2nd Tuesday of each month at 1:00):

LOCATION: Not applicable

AGENDAS ARE AVAILABLE UPON REQUEST: Yes No

CONTACT PERSON:

OUR ORGANIZATION CAN ASSIST OTHER AGENCIES IN THE FOLLOWING WAYS: No reply.

OUR ORGANIZATION CAN ASSIST MUNICIPALITIES IN THE FOLLOWING WAYS: Provide technical guidance for solving water quality problems.

OUR ORGANIZATION CAN ASSIST CHEMUNG COUNTY RESIDENTS IN THE FOLLOWING WAYS: Assist communities in developing water conservation and resource management plans; issue permits for public water supplies; prepare drought emergency plans; regulate reservoir releases; review design and construction of wastewater treatment plants and provide technical assistance to operators; regulate major petroleum and chemical storage facilities; limit the amounts and concentrations of waste discharged to water through the State Pollutant Discharge Elimination System (SPDES - monitoring, training and enforcement are key components of the SPDES program; build flood control and shoreline protection projects in cooperation with federal agencies and local governments.

OUR ORGANIZATION IS AVAILABLE TO OFFER PRESENTATIONS AND LECTURES:

Yes No

Subjects:

OUR ORGANIZATION HAS VOLUNTEERS OR PAID EMPLOYEES WHO WILL – (Ex. Make on-site visits to recommend proper drainage): Make on-site visits to determine water quality violations of New York State Law.

OUR ORGANIZATION WOULD LIKE TO BE A PART OF THE CHEMUNG COUNTY WATER QUALITY COMMITTEE: Yes No

WE WOULD LIKE TO STAY ON THE MAILING LIST BUT NOT BE AN ACTIVE MEMBER:

Yes No

WE WOULD LIKE TO BE ON THE SUB-COMMITTEE SET UP TO DEAL WITH THE FOLLOWING WATER QUALITY ISSUES – (ex. Streambank erosion): No reply.

COMMENTS: No reply.

OTHER ORGANIZATIONS OR AGENCIES YOU FEEL WOULD MAKE A GOOD COMMITTEE MEMBER: Chemung County Soil and Water Conservation District; USDA Soil Conservation Service; Cornell cooperative Extension; USDA Agricultural Stabilization and Conservation Service; NYS Dept. of Health; colleges; Town and County Officials; Farm Bureau; Business Associations; Grange

AGENCY NAME: **USDA Farm Service Agency**

REPRESENTATIVE: Thomas Pipher

ADDRESS: 109 A Chemung Street
Waverly, NY 14892

PHONE: 607-565-2106

EMAIL:

ROLE OR RESPONSIBILITY OF YOUR ORGANIZATION: Administer federal farm programs in Chemung County.

MEETINGS – OPEN TO THE PUBLIC: Yes No

WHEN HELD – (ex. 2nd Tuesday of each month at 1:00): 2nd Wednesday of each month – subject to change

LOCATION: 209 North Main Street, Horseheads, NY

AGENDAS ARE AVAILABLE UPON REQUEST: Yes No

CONTACT PERSON: Thomas Pipher

OUR ORGANIZATION CAN ASSIST OTHER AGENCIES IN THE FOLLOWING WAYS: Federal funds for conservation cost-sharing.

OUR ORGANIZATION CAN ASSIST MUNICIPALITIES IN THE FOLLOWING WAYS: Public information.

OUR ORGANIZATION CAN ASSIST CHEMUNG COUNTY RESIDENTS IN THE FOLLOWING WAYS: Public information.

OUR ORGANIZATION IS AVAILABLE TO OFFER PRESENTATIONS AND LECTURES:

Yes No Subjects: Programs available through ASCS

OUR ORGANIZATION HAS VOLUNTEERS OR PAID EMPLOYEES WHO WILL – (Ex. Make on-site visits to recommend proper drainage): the USDA SCS handles technical aspects of conservation engineering.

OUR ORGANIZATION WOULD LIKE TO BE A PART OF THE CHEMUNG COUNTY WATER QUALITY COMMITTEE: Yes No

WE WOULD LIKE TO STAY ON THE MAILING LIST BUT NOT BE AN ACTIVE MEMBER:

Yes No

WE WOULD LIKE TO BE ON THE SUB-COMMITTEE SET UP TO DEAL WITH THE FOLLIWNG WAER QUALITY ISSUES – (ex. Streambank erosion): Possible federal grants for water quality projects in Chemung County.

AGENCY NAME: **USDA Natural Resources Conservation Service**

REPRESENTATIVE: Tom Lasater

ADDRESS: 109A Chemung Street
Waverly, NY 14892-1306

PHONE: 607-565-3454

EMAIL:

ROLE OR RESPONSIBILITY OF YOUR ORGANIZATION: Conservation planning with land users to solve natural resource problems including, soil use, water quality and agricultural waste management.

MEETINGS – OPEN TO THE PUBLIC: Yes No

WHEN HELD – (ex. 2nd Tuesday of each month at 1:00): Not applicable

LOCATION: No reply

AGENDAS ARE AVAILABLE UPON REQUEST: Yes No

CONTACT PERSON: Tom Lasater

OUR ORGANIZATION CAN ASSIST OTHER AGENCIES IN THE FOLLOWING WAYS: No reply.

OUR ORGANIZATION CAN ASSIST MUNICIPALITIES IN THE FOLLOWING WAYS: We can work with agricultural operations to solve water quality, soil use, or other natural resource problems. A landowner can be requested by a municipality to request our assistance.

OUR ORGANIZATION CAN ASSIST CHEMUNG COUNTY RESIDENTS IN THE FOLLOWING WAYS: Conservation planning to solve waste, fertilizer and pesticide problems, soil erosion control and water run off control..

OUR ORGANIZATION IS AVAILABLE TO OFFER PRESENTATIONS AND LECTURES:

Yes No Subjects: Limited

OUR ORGANIZATION HAS VOLUNTEERS OR PAID EMPLOYEES WHO WILL – (Ex. Make on-site visits to recommend proper drainage): Prepare conservation plans on-site with a landowner. Highest priority given to agricultural land.

OUR ORGANIZATION WOULD LIKE TO BE A PART OF THE CHEMUNG COUNTY WATER QUALITY COMMITTEE: Yes No

WE WOULD LIKE TO STAY ON THE MAILING LIST BUT NOT BE AN ACTIVE MEMBER:

Yes No

WE WOULD LIKE TO BE ON THE SUB-COMMITTEE SET UP TO DEAL WITH THE FOLLIWNG WAER QUALITY ISSUES – (ex. Streambank erosion): Groundwater pollution control.

COMMENTS: No reply.

OTHER ORGANIZATIONS OR AGENCIES YOU FEEL WOULD MAKE A GOOD COMMITTEE MEMBER:

AGENCY NAME: Southern Finger Lakes Resource Conservation & Dev. Council

REPRESENTATIVE: Richard Winnett
ADDRESS: 415 West Morris Street
Bath, NY 14810
PHONE: 607-776-7398 X 5
EMAIL:

ROLE OR RESPONSIBILITY OF YOUR ORGANIZATION: To fully utilize the human and natural resources of Chemung, Schuyler, Seneca, and Steuben Counties in order to enhance the economic, social, and environmental conditions for the people of this region. (following page).

MEETINGS – OPEN TO THE PUBLIC: Yes No

WHEN HELD – (ex. 2nd Tuesday of each month at 1:00): 3rd Wednesday of every month

LOCATION: Schuyler County Rural Urban Center, Montour Falls, NY

AGENDAS ARE AVAILABLE UPON REQUEST: Yes No

CONTACT PERSON:

OUR ORGANIZATION CAN ASSIST OTHER AGENCIES IN THE FOLLOWING WAYS: Functions as a clearing house for identifying and sorting out what local, state, and federal programs are available to provide technical assistance for water quality. Sullivan Trail RD&D can also assist in coordinating activities pertaining to specific water quality issues.

OUR ORGANIZATION CAN ASSIST MUNICIPALITIES IN THE FOLLOWING WAYS: Same as assisting other agencies as well as provide technical assistance in preparing grant applications as scheduling allows.

OUR ORGANIZATION CAN ASSIST CHEMUNG COUNTY RESIDENTS IN THE FOLLOWING WAYS: Assistance to individuals is generally provided through seminars, tours, workshops, as well as coordinating efforts of more than one agency or municipality.

OUR ORGANIZATION IS AVAILABLE TO OFFER PRESENTATIONS AND LECTURES:
 Yes No Subjects: Economic Development

OUR ORGANIZATION HAS VOLUNTEERS OR PAID EMPLOYEES WHO WILL – (Ex. Make on-site visits to recommend proper drainage): Assistance generally coordinated through County Soil and Water Conservation Districts.

OUR ORGANIZATION WOULD LIKE TO BE A PART OF THE CHEMUNG COUNTY WATER QUALITY COMMITTEE: Yes No

WE WOULD LIKE TO STAY ON THE MAILING LIST BUT NOT BE AN ACTIVE MEMBER:
 Yes No

WE WOULD LIKE TO BE ON THE SUB-COMMITTEE SET UP TO DEAL WITH THE FOLLIWNG WAER QUALITY ISSUES – (ex. Streambank erosion): Stream erosion, infrastructure protection.

COMMENTS: No reply.

OTHER ORGANIZATIONS OR AGENCIES YOU FEEL WOULD MAKE A GOOD COMMITTEE MEMBER: No reply.

Role or Responsibility of Southern Finger Lakes RC&D (continued)

The Southern Finger Lakes RC&D Council is a non-profit organization as specified under the U.S. Internal Revenue Service, Section 501 © 3. The Council was formed in the fall of 1972 and is one of more than 200 RC&D Councils nationwide authorized under the Food and Agriculture Act of 1962 (P.L. 87-703).

Primary Goals of the Southern Finger Lakes RC&D Council

1. Promote the wise use of land and water resources for agriculture, municipal, or industrial use.
2. Promote and/or carry out projects which encourages recreation, tourism, fish, and wildlife developments, flood preservation, and erosion control.
3. Encourage existing industries to expand and new ones to locate in the area and thus create jobs, encourage industries to process and use products from the region.
4. Improve markets for farm crops, forest products, and livestock.

Major Issues Concerning the Council at this time

- Economic development and proper management of the region's forest resources
- Water quality
- Streambank protection and stabilization of eroding banks along highways and bridges
- Flood prevention
- Grassland management/rotational grazing
- Agricultural diversification
- Maintaining the economic vitality of agriculture as it pertains to the region, state, and county

CONCLUSION

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PROGRAM EVALUATION

The success of the program will be evaluated concurrently with meetings and during project reviews by the committee. This is anticipated to be an ongoing process ensuring good water quality in Chemung County.

This is a great step forward for Chemung County. The uniting of these organizations and meeting on a regular basis increases agency efficiency. The duplication of services will be eliminated and in the long run will complement all agencies programs. The vast quantity of diverse agencies involved allows for expertise and invaluable resources in a broad range of areas, working together towards a common goal – “The protection and enhancement of the water quality in Chemung County.”

RESOLUTION

The Chemung County Water Quality Strategy Plan was passed by the strategy committee on August 13, 1992, and revised in May 1996. Updates on membership and current projects added in April 2007.