



## Chemung River/Middle Chemung Watershed

(0205010505)

Water Index Number	Waterbody Segment	Category
Pa 3 (portion 2)	Chemung River, Lower, Main Stem (0501-0015)	NoKnownImpct
Pa 3-17 thru 27 (selected)	Minor Tribs to Lower Chemung River (0501-0027)	UnAssessed
Pa 3-18	Seeley Creek and minor tribs (0501-0013)	Threatened
Pa 3-18- 1	South Creek and tribs (0501-0028)	NoKnownImpct
Pa 3-18-10	Mudlick Creek and tribs (0501-0029)	NoKnownImpct
Pa 3-28	Newtown Creek, Lower, and tribs (0501-0003)	MinorImpacts
Pa 3-28	Newtown Creek, Middle, and minor tribs (0501-0007)	NoKnownImpct
Pa 3-28	Newtown Creek, Upper, and tribs (0501-0030)	NoKnownImpct
Pa 3-28- 4-P12	Weyer/Brick Pond (0501-0031)	UnAssessed
Pa 3-28- 6	Diven/Heller Creek and tribs (0501-0032)	MinorImpacts
Pa 3-28- 6-...P13a	Kopper Pond (0501-0012)	Impaired Seg
Pa 3-28- 6-P14	Eldridge Lake (0501-0033)	UnAssessed
Pa 3-28-10	Latta Creek and tribs (0501-0034)	UnAssessed
Pa 3-28-13	North Branch Newtown Creek and tribs (0501-0035)	Need Verific
Pa 3-28-19	Jackson Creek and tribs (0501-0036)	UnAssessed
Pa 3-29	Hoffman Brook, Lower, and tribs (0501-0037)	UnAssessed
Pa 3-29	Hoffman Brook, Upper, and tribs (0501-0038)	UnAssessed
Pa 3-29-P19	Elmira Reservoir (0501-0039)	UnAssessed

# Chemung River, Lower, Main Stem (0501-0015)

NoKnownImpct

## Waterbody Location Information

Revised: 01/18/2007

<b>Water Index No:</b>	Pa 3 (portion 2)	<b>Drain Basin:</b>	Chemung River
<b>Hydro Unit Code:</b>	02050105/260	<b>Str Class:</b>	C
<b>Waterbody Type:</b>	River	<b>Reg/County:</b>	8/Chemung Co. ( 8)
<b>Waterbody Size:</b>	9.2 Miles	<b>Quad Map:</b>	ELMIRA (M-13-3)
<b>Seg Description:</b>	from Wellsburg to Elmira		

## Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMNT		

### Type of Pollutant(s)

Known: ---  
Suspected: ---  
Possible: ---

### Source(s) of Pollutant(s)

Known: ---  
Suspected: ---  
Possible: ---

## Resolution/Management Information

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

**Resolution Potential:** n/a

## Further Details

A biological (macroinvertebrate) assessment of Chemung River below Elmira (above Big Island) was conducted in 2002. Sampling results indicated non-impacted water quality conditions. These results were similar to sampling results in 1992. Prior to 1992 impacts from inadequate wastewater treatment discharges from the Elmira WWTP were evident. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the main stem of the river from Bentley Creek (-16) in Wellsburg to Hoffman Brook (-29) in Elmira. The waters of this portion of the stream are Class C.

# Minor Tribs to Lower Chemung River (0501-0027)

UnAssessed

## Waterbody Location Information

Revised: 05/26/2004

**Water Index No:** Pa 3-17 thru 27 (selected)      **Drain Basin:** Chemung River  
**Hydro Unit Code:** 02050105/250      **Str Class:** C      Chemung River  
**Waterbody Type:** River      **Reg/County:** 8/Chemung Co. ( 8)  
**Waterbody Size:** 11.6 Miles      **Quad Map:** ELMIRA (M-13-3)  
**Seg Description:** total length of selected tribs, from Wellburg to Elmira

## Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
UnAssessed Water		

### Type of Pollutant(s)

Known:     ---  
Suspected: ---  
Possible:   ---

### Source(s) of Pollutant(s)

Known:     ---  
Suspected: ---  
Possible:   ---

## Resolution/Management Information

**Issue Resolvability:**     ()  
**Verification Status:**   (Not Applicable for Selected RESOLVABILITY)  
**Lead Agency/Office:**  
**TMDL/303d Status:**   n/a

**Resolution Potential:** n/a

## Further Details

This segment includes the total length of selected/smaller tribs to the Chemung River from Bentley Creek (-16) in Wellsburg to Newtown Creek (-28) in Elmira. Tribs within this segment are Class C. Bentley Creek, Seeley Creek (-18) and Newtown Creek are listed separately.

# Seeley Creek and minor tribs (0501-0013)

**Threatened**

## Waterbody Location Information

Revised: 02/07/2007

<b>Water Index No:</b>	Pa 3-18	<b>Drain Basin:</b>	Chemung River
<b>Hydro Unit Code:</b>	02050105/200	<b>Str Class:</b>	C
<b>Waterbody Type:</b>	River	<b>Reg/County:</b>	8/Chemung Co. ( 8)
<b>Waterbody Size:</b>	38.2 Miles	<b>Quad Map:</b>	ELMIRA (M-13-3)
<b>Seg Description:</b>	entire stream and selected tribs		

## Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

<b>Use(s) Impacted</b>	<b>Severity</b>	<b>Problem Documentation</b>
Habitat/Hydrology	Threatened	Known

### **Type of Pollutant(s)**

Known: WATER LEVEL/FLOW, Silt/Sediment  
Suspected: - - -  
Possible: - - -

### **Source(s) of Pollutant(s)**

Known: HYDRO MODIFICATION (due to road construction), STREAMBANK EROSION  
Suspected: Habitat Modification  
Possible: - - -

## Resolution/Management Information

<b>Issue Resolvability:</b>	1 (Needs Verification/Study (see STATUS))	<b>Resolution Potential:</b> Medium
<b>Verification Status:</b>	4 (Source Identified, Strategy Needed)	
<b>Lead Agency/Office:</b>	ext/WQCC	
<b>TMDL/303d Status:</b>	n/a	

## Further Details

Hydrologic/habitat protection in Seeley Creek is threatened by extensive streambank erosion that results in bank failures and significant sediment loads entering the stream.

Hydrologic modifications to the Seeley Creek stream channel are thought to have reduced the flow capacity of the creek during high flow periods. These modifications involved the filling in of portions of the channel during highway construction along the creek in the 1960s, and disposal of property damage debris related the Hurricane Agnes in 1972. Because of reduced carrying capacity, the stream eventually carved out a new channel. In doing so it undercut a hillside and streambanks, resulting in the subsequent collapse of the streambank and depositing an estimated 40,000 cubic yards of sand and gravel into the stream. NYS DOT tried to address the problem in 1998 by lining the stream with rip-rap, but the undercutting appears to be continuing. In some areas the property lines of several residences have receded as much as 60 feet, on-site septic systems have been exposed and some buildings/structures have fallen into the creek during high runoff events. Continuing streambank erosion and instability is considered a threat to the biological community and fishery. (Chemung County WQCC, January 2006)

NYSDEC Rotating Intensive Basin Studies (RIBS) Intensive Network monitoring of Seeley Creek in Southport, Chemung County, (at Route 14) was conducted in 2003. Intensive Network sampling typically includes macroinvertebrate community analysis, water column chemistry, sediment and invertebrate tissues analysis and toxicity

evaluation. During this sampling the biological (macroinvertebrate) assessment indicated non-impacted water quality conditions. Clean-water mayflies dominated the sample, although some nutrient enrichment was also indicated. Crayfish collected for tissue analysis showed no metals, organochlorine pesticides, PCBs, or PAHs above levels of concern. A fish community assessment reflected very good water quality. The most numerous species were central stonerollers, longnose dace, cutlips minnow, and fantail darters. Also present were banded darter, tessellated darter, mottled sculpin, green sunfish, rock bass, and brook stickleback. Water column sampling found no parameters of concern, however mercury was detected in one of the ten samples collected. Bottom sediment sampling found indications of some toxicity but not at a level sufficient to cause chronic impacts to aquatic life. Toxicity testing of the water column showed no significant mortality or reproductive impacts. (DEC/DOW, BWAM/RIBS, January 2005)

Biological (macroinvertebrate) assessments of Seeley Creek in Southport and in Seeley Creek (at Route 328) were conducted in 2002 as part of the RIBS Biological Screening effort. Sampling results indicated non-impacted water quality conditions. The downstream Southport site was also sampled in 1997 and 1998 and was found to be non-impacted in those years as well. The Seeley Creek site was field assessed as non-impacted in 2002. In 1998, this site was assessed as slightly impacted in Seeley Creek and non-impacted in nearby Webb Mills. These assessments corresponds with SRBC sampling conducted in 1997 (Traver, 1998). The minor/occasional biological impacts that do exist are most likely due to significant habitat alteration, poor substrate quality and/or overall instability than due to problems related to water quality. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the entire stream and selected/smaller tribs. The waters of the stream are Class C,C(T). Tribs to this reach/segment, including Dry Run (-6) and Bird Creek (-7), are Class C. South Creek (-1) and Mudlick Creek (-10) are listed separately. Tribs Pa 6 thru Pa 8 are also included in this segment.

# South Creek and tribs (0501-0028)

NoKnownImpct

## Waterbody Location Information

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Revised: 01/19/2007

<b>Water Index No:</b>	Pa 3-18- 1	<b>Drain Basin:</b>	Chemung River
<b>Hydro Unit Code:</b>	02050105/200	<b>Str Class:</b>	C
<b>Waterbody Type:</b>	River	<b>Reg/County:</b>	8/Chemung Co. ( 8)
<b>Waterbody Size:</b>	20.3 Miles	<b>Quad Map:</b>	ELMIRA (M-13-3)
<b>Seg Description:</b>	entire stream and tribs		

## Water Quality Problem/Issue Information

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(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMNT		

### Type of Pollutant(s)

Known: ---  
Suspected: ---  
Possible: ---

### Source(s) of Pollutant(s)

Known: ---  
Suspected: ---  
Possible: ---

## Resolution/Management Information

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

**Resolution Potential:** n/a

## Further Details

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A biological (macroinvertebrate) assessment of South Creek in Southport (at Route 26) was conducted in 2002. Field sampling results indicated non-impacted water quality conditions. The sample satisfied field screening criteria and was returned to the stream. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the entire stream and all tribs (within NYS). The waters of the stream are Class C. Tribs to this reach/segment, including Christian Hollow Brook (-1), are Class C,C(T). Tribs Pa 4 thru Pa 5 are also included in this segment.

# Mudlick Creek and tribs (0501-0029)

NoKnownImpct

## Waterbody Location Information

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Revised: 01/19/2007

<b>Water Index No:</b>	Pa 3-18-10	<b>Drain Basin:</b>	Chemung River
<b>Hydro Unit Code:</b>	02050105/200	<b>Str Class:</b>	C
<b>Waterbody Type:</b>	River	<b>Reg/County:</b>	8/Chemung Co. ( 8)
<b>Waterbody Size:</b>	39.6 Miles	<b>Quad Map:</b>	SEELEY CREEK (M-13-4)
<b>Seg Description:</b>	entire stream and tribs		

## Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

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Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMNT		

### Type of Pollutant(s)

Known: ---  
Suspected: ---  
Possible: ---

### Source(s) of Pollutant(s)

Known: ---  
Suspected: ---  
Possible: ---

## Resolution/Management Information

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

**Resolution Potential:** n/a

## Further Details

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A biological (macroinvertebrate) assessment of Mudlick Creek in Seeley Creek (at Kinner Hill Road) was conducted in 2002. Sampling results indicated non-impacted water quality conditions. Previous sampling at this site in 1998 revealed slight impacts. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the entire stream and all tribs (within NYS). The waters of the stream are Class C. Tribs to this reach/segment, including Clark Hollow Brook (-3), are also Class C.

# Newtown Creek, Lower, and tribs (0501-0003)

# Minor Impacts

## Waterbody Location Information

Revised: 02/05/2007

<b>Water Index No:</b>	Pa 3-28	<b>Drain Basin:</b>	Chemung River
<b>Hydro Unit Code:</b>	02050105/170	<b>Str Class:</b>	C
<b>Waterbody Type:</b>	River	<b>Reg/County:</b>	8/Chemung Co. ( 8)
<b>Waterbody Size:</b>	15.7 Miles	<b>Quad Map:</b>	ELMIRA (M-13-3)
<b>Seg Description:</b>	stream and selected tribs, mouth to Elmira Hgts N		

## Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
Aquatic Life	Stressed	Known
Habitat/Hydrology	Stressed	Possible

### Type of Pollutant(s)

Known: ---  
 Suspected: NUTRIENTS, UNKNOWN TOXICITY, Silt/Sediment  
 Possible: ---

### Source(s) of Pollutant(s)

Known: ---  
 Suspected: URBAN/STORM RUNOFF, Agriculture  
 Possible: Comb. Sewer Overflow, Habitat Modification

## Resolution/Management Information

**Issue Resolvability:** 1 (Needs Verification/Study (see STATUS))  
**Verification Status:** 3 (Cause Identified, Source Unknown)  
**Lead Agency/Office:** ext/WQCC  
**TMDL/303d Status:** n/a

**Resolution Potential:** Medium

## Further Details

Aquatic life support in this portion of Newtown Creek is known to experience minor impacts due to nutrient enrichment and aquatic toxicity. Likely sources of the impacts include nonpoint urban runoff and nutrient loadings from upstream rural/agricultural parts of the watershed.

A biological (macroinvertebrate) assessment of Newtown Creek in Elmira (at Route 352) was conducted in 2002. Sampling results indicated slightly impacted water quality conditions. Impact Source Determination indicated toxicity to be the primary factor affecting water quality, with siltation also contributing to the impacts. Nutrient biotic evaluation indicates nutrient enrichment and eutrophic condition in the stream. Similar results were found during sampling of this site in 1991, 1997 and 1998. (DEC/DOW, BWAM/SBU, June 2005)

Hydrologic/habitat modification may also be impacting the stream. There are four flood control dams in the watershed and berms and levees limit the floodplain in Elmira and Horseheads. Channel adjustments/disturbances and flow modification may contribute excessive sediment loads. (Steuben County WQCC, August 2004) Previously, a gravel mining operation, Benchmark New York (NY 006 8268) formerly General Crushed Stone, was cited as a likely source of siltation in the stream. However a reclamation effort in 2004 reduced the size of the site to one-tenth its previous size, leaving only a small parcel (less than 10 acres) located 2400 feet from the stream actively mined. Consequently,

it is unlikely this site has any significant impact on water quality. (DEC/Mineral Resources, Reg 8, January 2007)

This segment includes the portion of the stream and selected/smaller tribs from the mouth to/including Beaver Brook (-11) in Elmira Heights North. The waters of this portion of the stream are Class C,C(T). Tribs to this reach/segment, including Beaver Brook (-11), are also Class C,C(T). Diven/Heller Creek (-6), Latta Creek (-10) and Middle/Upper Newtown Creek are listed separately.

# Newtown Creek, Middle, and minor tribs (0501-0007) **NoKnownImpct**

## Waterbody Location Information

Revised: 01/19/2007

**Water Index No:** Pa 3-28      **Drain Basin:** Chemung River  
**Hydro Unit Code:** 02050105/170      **Str Class:** C      Chemung River  
**Waterbody Type:** River      **Reg/County:** 8/Chemung Co. ( 8)  
**Waterbody Size:** 19.3 Miles      **Quad Map:** HORSEHEADS (M-13-2)  
**Seg Description:** stream and selected tribs, Elmira Hgts N to Breesport

## Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMNT		

### Type of Pollutant(s)

Known: ---  
Suspected: ---  
Possible: ---

### Source(s) of Pollutant(s)

Known: ---  
Suspected: ---  
Possible: ---

## Resolution/Management Information

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

**Resolution Potential:** n/a

## Further Details

A biological (macroinvertebrate) assessment of Newtown Creek in Horseheads (at East Franklin Street) was conducted in 2002. Sampling results indicated slightly impacted water quality conditions. Siltation is the likely cause of these impacts. In spite of some minor effects on the fauna, aquatic life support is considered to be fully supported in the river, and there are no other apparent water quality impacts. (DEC/DOW, BWAM/SBU, June 2005)

Previous assessments of the stream included some concerns about agricultural activities and development impacts on the fishery. However farming in the watershed is on the decline and while some development is occurring there have not been noticeable impacts from construction on the stream. These impacts would be of greater concern to trout waters. And while some tribs as well as upstream reaches of the creek are designated a trout waters, this reach of Newtown Creek is a warmwater fishery. DEC Fisheries staff have reported in the past that extending the trout classification downstream of the hamlet of Erin would be difficult.

This segment includes the portion of the stream and selected/smaller tribs from Beaver Brook (-11) in Elmira Heights North to Jackson Creek (-19) in Breesport. The waters of this portion of the stream are Class C. Tribs to this reach/segment are Class C,C(T),C(TS). North Branch Newtown Creek (-13), Jackson Creek and Lower/Upper Newtown Creek are listed separately.



# Newtown Creek, Upper, and tribs (0501-0030)

NoKnownImpct

## Waterbody Location Information

Revised: 01/19/2007

**Water Index No:** Pa 3-28  
**Hydro Unit Code:** 02050105/170      **Str Class:** C  
**Waterbody Type:** River  
**Waterbody Size:** 40.1 Miles  
**Seg Description:** stream and tribs, above Breesport

**Drain Basin:** Chemung River  
**Reg/County:** Chemung River  
8/Chemung Co. ( 8)  
**Quad Map:** ERIN (M-14-1)

## Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
NO USE IMPAIRMNT		

### Type of Pollutant(s)

Known:     ---  
Suspected: ---  
Possible:   ---

### Source(s) of Pollutant(s)

Known:     ---  
Suspected: ---  
Possible:   ---

## Resolution/Management Information

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

**Resolution Potential:** n/a

## Further Details

A biological (macroinvertebrate) assessment of Newtown Creek in Breesport (at Church Road) was conducted in 2002. Sampling results indicated non-impacted water quality conditions. (DEC/DOW, BWAM/SBU, June 2005)

This segment includes the portion of the stream and selected/smaller tribs above Jackson Creek (-19) in Breesport. The waters of this portion of the stream are Class C,C(T),C(TS). Tribs to this reach/segment are Class C. Jackson Creek and Lower/Middle Newtown Creek are listed separately.

# Weyer/Brick Pond (0501-0031)

UnAssessed

## Waterbody Location Information

Revised: 05/26/2004

<b>Water Index No:</b> Pa 3-28- 4-P12	<b>Drain Basin:</b> Chemung River	
<b>Hydro Unit Code:</b> 02050105/170	<b>Str Class:</b> C	Chemung River
<b>Waterbody Type:</b> Lake	<b>Reg/County:</b> 8/Chemung Co. ( 8)	
<b>Waterbody Size:</b> 7.0 Acres	<b>Quad Map:</b> ELMIRA (M-13-3)	
<b>Seg Description:</b> entire lake		

## Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
UnAssessed Water		

### Type of Pollutant(s)

Known: ---  
Suspected: ---  
Possible: ---

### Source(s) of Pollutant(s)

Known: ---  
Suspected: ---  
Possible: ---

## Resolution/Management Information

Issue **Resolvability:** ()  
**Verification Status:** (Not Applicable for Selected RESOLVABILITY)  
**Lead Agency/Office:**  
**TMDL/303d Status:** n/a

**Resolution Potential:** n/a

## Further Details

# Diven/Heller Creek and tribs (0501-0032)

# MinorImpacts

## Waterbody Location Information

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Revised: 01/19/2007

<b>Water Index No:</b>	Pa 3-28- 6	<b>Drain Basin:</b>	Chemung River
<b>Hydro Unit Code:</b>	02050105/170	<b>Str Class:</b>	C
<b>Waterbody Type:</b>	River	<b>Reg/County:</b>	8/Chemung Co. ( 8)
<b>Waterbody Size:</b>	12.3 Miles	<b>Quad Map:</b>	ELMIRA (M-13-3)
<b>Seg Description:</b>	entire stream and tribs		

## Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

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<b>Use(s) Impacted</b>	<b>Severity</b>	<b>Problem Documentation</b>
Aquatic Life	Stressed	Suspected

### Type of Pollutant(s)

Known: ---  
 Suspected: UNKNOWN TOXICITY  
 Possible: Metals (lead), Priority Organics (PAHs)

### Source(s) of Pollutant(s)

Known: ---  
 Suspected: UNKNOWN SOURCE  
 Possible: ---

## Resolution/Management Information

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<b>Issue Resolvability:</b>	1 (Needs Verification/Study (see STATUS))	<b>Resolution Potential:</b> Medium
<b>Verification Status:</b>	2 (Problem Verified, Cause Unknown)	
<b>Lead Agency/Office:</b>	DOW/BWAM	
<b>TMDL/303d Status:</b>	n/a	

## Further Details

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Aquatic life support and recreation uses in Diven Creek are known to experience minor impacts due to unspecified toxicity in the stream. The most likely source of the impacts is industrial sources in the area.

A biological (macroinvertebrate) assessment of Diven Creek in Elmira Heights (near the mouth) was conducted in 1997. Sampling results indicated slightly impacted water quality conditions, however the assessment showed the impact to be near the range of moderate. Impact Source Determination revealed toxicity to be the primary factor affecting water quality. Crayfish were collected and tissue analysis revealed lead and PAHs to be parameters of concern. (DEC/DOW, BWAM/SBU, June 2005)

A number of hazardous waste site have been identified and are being remediated in this urban/industrial area. The most significant of these is the Westinghouse-Koppers Pond hazardous waste site (Site No. 8-08-007). The main site features include the 8 acre Koppers Pond located upstream of and likely influencing this stream. The former Westinghouse facility manufactured television tubes and electronic imaging equipment. Polychlorinated biphenyls (PCBs) and metals present in the industrial wastewater have impacted sediments in portions of the industrial drainage way and Koppers Pond. In addition to PCBs, lead, chromium, copper and zinc are primary contaminants of concern at the site. Investigations indicate that contaminants contained in industrial wastewater have impacted sediments in the Koppers Pond and industrial drainage way areas. The industrial drainage way has been remediated as part of the

remedy for the Westinghouse facility. Exceedence of guidance values occur in pond sediments but additional studies are warranted to determine the full extent of the contamination in the pond. The site presents a significant environmental threat due to the ongoing releases from the contaminated sediments in the Pond. PCBs were detected in all fish samples taken from the Pond. The migration of contaminated groundwater from this site contributed to the forced closure of the Kentucky Avenue municipal wellfield. (DEC/DER, Environmental Site Remediation Database, 2006)

The Kentucky Avenue Wellfield (Site No. 8-08-0127) site is located in an industrial portion of the Village of Horseheads, Chemung County, NY. The site has many components including the active facilities, Westinghouse, Cutler-Hammer and Toshiba. It was shut down in 1980 due to high levels of trichloroethylene (TCE). In 1983 the site was added to the National Priorities List and a Remedial Investigation/Feasibility Study (RI/FS) was completed in 1986 under the Federal Superfund program. A supplemental RI/FS completed in 1990 identified the Westinghouse plant as the principal source of contamination. Some remedial work at the site has been completed, but further remedial options for Koppers Pond are the focus of ongoing discussions. (DEC/DER, Environmental Site Remediation Database, 2006)

This segment includes the entire stream and all tribs. The waters of the stream are Class C. Tribs to this reach/segment are also Class C.

# Koppers Pond (0501-0012)

# Impaired Seg

## Waterbody Location Information

Revised: 01/23/2007

<b>Water Index No:</b>	Pa 3-28- 6-...P13a	<b>Drain Basin:</b>	Chemung River
<b>Hydro Unit Code:</b>	02050105/170	<b>Str Class:</b>	C
<b>Waterbody Type:</b>	Lake	<b>Reg/County:</b>	8/Chemung Co. ( 8)
<b>Waterbody Size:</b>	6.0 Acres	<b>Quad Map:</b>	ELMIRA (M-13-3)
<b>Seg Description:</b>	entire lake		

## Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
FISH CONSUMPTION	Impaired	Known
Aquatic Life	Stressed	Suspected
RECREATION	Impaired	Known

### Type of Pollutant(s)

Known: PRIORITY ORGANICS (PCBs)  
Suspected: Metals  
Possible: - - -

### Source(s) of Pollutant(s)

Known: INDUSTRIAL (Westinghouse), TOX/CONTAM. SEDIMENT  
Suspected: Landfill/Land Disp. (Horseheads Landfill)  
Possible: - - -

## Resolution/Management Information

<b>Issue Resolvability:</b>	3 (Strategy Being Implemented)	
<b>Verification Status:</b>	5 (Management Strategy has been Developed)	
<b>Lead Agency/Office:</b>	DEC/DER	<b>Resolution Potential:</b> Medium
<b>TMDL/303d Status:</b>	2b (Multiple Segment/Categorical Water, Fish Consumption)	

## Further Details

Fish consumption and recreational uses in Koppers Pond is impaired due to a NYS DOH health advisory that recommends eating no more than one meal per month of carp because of elevated PCB levels. The source of PCBs and other pollutants is industrial discharges. The advisory for this lake was first issued prior to 1998-99. (2006-07 NYS DOH Health Advisories and DEC/DFWMR, Habitat, December 2006).

The Westinghouse-Koppers Pond hazardous waste site (Site No. 8-08-007) is located in an urban/industrial area of Elmira Heights/Horseheads. The main site features include the 8 acre Koppers Pond and a industrial drainage way. The drainage way receives wastewater from active manufacturing facilities and drains into the pond. The former Westinghouse facility manufactured television tubes and electronic imaging equipment. Polychlorinated biphenyls (PCBs) and metals present in the industrial wastewater have impacted sediments in portions of the industrial drainage way and Koppers Pond. In addition to PCBs, lead, chromium, copper and zinc are primary contaminants of concern at the site. Investigations indicate that contaminants contained in industrial wastewater have impacted sediments in the Koppers Pond and industrial drainage way areas. The industrial drainage way has been remediated as part of the remedy for the Westinghouse facility. Exceedence of guidance values occur in pond sediments but additional studies are warranted to determine the full extent of the contamination in the pond. The site presents a significant environmental

threat due to the ongoing releases from the contaminated sediments in the Pond. PCBs were detected in all fish samples taken from the Pond. The migration of contaminated groundwater from this site contributed to the forced closure of the Kentucky Avenue municipal wellfield. (DEC/DER, Environmental Site Remediation Database, 2006)

The Kentucky Avenue Wellfield (Site No. 8-08-0127) site is located in an industrial portion of the Village of Horseheads, Chemung County, NY. The site has many components including the active facilities, Westinghouse, Cutler-Hammer and Toshiba. It was shut down in 1980 due to high levels of trichloroethylene (TCE). In 1983 the site was added to the National Priorities List and a Remedial Investigation/Feasibility Study (RI/FS) was completed in 1986 under the Federal Superfund program. A supplemental RI/FS completed in 1990 identified the Westinghouse plant as the principal source of contamination. Remedial work at the site has include the excavation of the drainageway excavation to Koppers Pond, which was completed in December of 2002, and restoration work completed in 2003. Further remedial options for Koppers Pond are the focus of ongoing discussions. (DEC/DER, Environmental Site Remediation Database, 2006)

The Horseheads landfill (Site No. 8-08-011) may also contribute to the contamination of Koppers Pond. This inactive landfill is near an unnamed tributary to Diven Creek. The USEPA completed a Site Investigation report which recommended that any recreational uses of the adjacent stream and pond be discouraged due to elevated levels of heavy metals. (DEC/DER, Environmental Site Remediation Database, 2006)

# Eldridge Lake (0501-0033)

**UnAssessed**

## Waterbody Location Information

Revised: 05/26/2004

<b>Water Index No:</b>	Pa 3-28- 6-P14	<b>Drain Basin:</b>	Chemung River
<b>Hydro Unit Code:</b>	02050105/170	<b>Str Class:</b>	C
<b>Waterbody Type:</b>	Lake	<b>Reg/County:</b>	8/Chemung Co. ( 8)
<b>Waterbody Size:</b>	11.0 Acres	<b>Quad Map:</b>	ELMIRA (M-13-3)
<b>Seg Description:</b>	entire lake		

## Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
UnAssessed Water		

### Type of Pollutant(s)

Known: ---  
Suspected: ---  
Possible: ---

### Source(s) of Pollutant(s)

Known: ---  
Suspected: ---  
Possible: ---

## Resolution/Management Information

**Issue Resolvability:** ()  
**Verification Status:** (Not Applicable for Selected RESOLVABILITY)  
**Lead Agency/Office:**  
**TMDL/303d Status:** n/a

**Resolution Potential:** n/a

## Further Details

# Latta Creek and tribs (0501-0034)

**UnAssessed**

## Waterbody Location Information

Revised: 05/26/2004

<b>Water Index No:</b>	Pa 3-28-10	<b>Drain Basin:</b>	Chemung River
<b>Hydro Unit Code:</b>	02050105/170	<b>Str Class:</b>	C
<b>Waterbody Type:</b>	River	<b>Reg/County:</b>	8/Chemung Co. ( 8)
<b>Waterbody Size:</b>	11.4 Miles	<b>Quad Map:</b>	HORSEHEADS (M-13-2)
<b>Seg Description:</b>	entire stream and tribs		

## Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

<b>Use(s) Impacted</b>	<b>Severity</b>	<b>Problem Documentation</b>
UnAssessed Water		

### **Type of Pollutant(s)**

Known: ---  
Suspected: ---  
Possible: ---

### **Source(s) of Pollutant(s)**

Known: ---  
Suspected: ---  
Possible: ---

## Resolution/Management Information

**Issue Resolvability:** ()  
**Verification Status:** (Not Applicable for Selected RESOLVABILITY)  
**Lead Agency/Office:**  
**TMDL/303d Status:** n/a

**Resolution Potential:** n/a

## Further Details

This segment includes the entire stream and all tribs. The waters of the stream are Class C. Tribs to this reach/segment are also Class C.

# North Branch Newtown Creek and tribs (0501-0035)

Need Verific

## Waterbody Location Information

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Revised: 05/11/2007

<b>Water Index No:</b>	Pa 3-28-13	<b>Drain Basin:</b>	Chemung River
<b>Hydro Unit Code:</b>	02050105/170	<b>Str Class:</b>	C
<b>Waterbody Type:</b>	River	<b>Reg/County:</b>	8/Chemung Co. ( 8)
<b>Waterbody Size:</b>	34.8 Miles	<b>Quad Map:</b>	HORSEHEADS (M-13-2)
<b>Seg Description:</b>	entire stream and tribs		

## Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

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<b>Use(s) Impacted</b>	<b>Severity</b>	<b>Problem Documentation</b>
Aquatic Life	Stressed	Possible

### Type of Pollutant(s)

Known: ---  
Suspected: NUTRIENTS  
Possible: ---

### Source(s) of Pollutant(s)

Known: ---  
Suspected: AGRICULTURE  
Possible: ---

## Resolution/Management Information

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

## Further Details

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Aquatic life support in North Branch Newtown Creek may experience impacts due to nutrient loads and/or other pollutants from agricultural nonpoint sources.

A biological (macroinvertebrate) assessment of Newtown Creek in Sullivanville (at access off Route 13) was conducted in 2002. Sampling results indicated slightly impacted water quality conditions. Aquatic life is supported in the stream, although nutrient biotic evaluation suggests the level of eutrophication is sufficient to at least threaten aquatic life support. (DEC/DOW, BWAM/SBU, June 2005)

Sampling results from a 2006 Susquehanna River Basin Chemung River Subbasin Survey indicated more significant impacts with a fauna dominated by midges and other tolerant species although habitat condition was somewhat impacted and may be an influence on the sample. Water chemistry was not conducted at this site. (SRBC, March 2007)

This segment includes the entire stream and all tribs. The waters of the stream are Class C. Tribs to this reach/segment, including Bulkley Creek (-6), are also Class C.

# Jackson Creek and tribs (0501-0036)

**UnAssessed**

## Waterbody Location Information

Revised: 05/26/2004

<b>Water Index No:</b>	Pa 3-28-19	<b>Drain Basin:</b>	Chemung River
<b>Hydro Unit Code:</b>	02050105/170	<b>Str Class:</b>	C
<b>Waterbody Type:</b>	River	<b>Reg/County:</b>	8/Chemung Co. ( 8)
<b>Waterbody Size:</b>	11.2 Miles	<b>Quad Map:</b>	ERIN (M-14-1)
<b>Seg Description:</b>	entire stream and tribs		

## Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
UnAssessed Water		

### Type of Pollutant(s)

Known: ---  
Suspected: ---  
Possible: ---

### Source(s) of Pollutant(s)

Known: ---  
Suspected: ---  
Possible: ---

## Resolution/Management Information

**Issue Resolvability:** ()  
**Verification Status:** (Not Applicable for Selected RESOLVABILITY)  
**Lead Agency/Office:**  
**TMDL/303d Status:** n/a

**Resolution Potential:** n/a

## Further Details

This segment includes the entire stream and all tribs. The waters of the stream are Class C. Tribs to this reach/segment are also Class C.

# Hoffman Brook, Lower, and tribs (0501-0037)

UnAssessed

## Waterbody Location Information

Revised: 05/26/2004

<b>Water Index No:</b>	Pa 3-29	<b>Drain Basin:</b>	Chemung River
<b>Hydro Unit Code:</b>	02050105/160	<b>Str Class:</b>	C
<b>Waterbody Type:</b>	River	<b>Reg/County:</b>	8/Chemung Co. ( 8)
<b>Waterbody Size:</b>	3.3 Miles	<b>Quad Map:</b>	ELMIRA (M-13-3)
<b>Seg Description:</b>	stream and tribs, from mouth to Elmira Reservoir		

## Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
UnAssessed Water		

### Type of Pollutant(s)

Known: ---  
Suspected: ---  
Possible: ---

### Source(s) of Pollutant(s)

Known: ---  
Suspected: ---  
Possible: ---

## Resolution/Management Information

Issue **Resolvability:** ()  
**Verification Status:** (Not Applicable for Selected RESOLVABILITY)  
**Lead Agency/Office:**  
**TMDL/303d Status:** n/a

**Resolution Potential:** n/a

## Further Details

This segment includes the portion of the stream and all tribs from the mouth to Elmira Reservoir (P19). The waters of this portion of the stream are Class C. Tribs to this reach/segment are also Class C. Elmira Reservoir and Upper Hoffman Creek are listed separately.

# Hoffman Brook, Upper, and tribs (0501-0038)

UnAssessed

## Waterbody Location Information

Revised: 05/26/2004

<b>Water Index No:</b>	Pa 3-29	<b>Drain Basin:</b>	Chemung River
<b>Hydro Unit Code:</b>	02050105/160	<b>Str Class:</b>	A
<b>Waterbody Type:</b>	River	<b>Reg/County:</b>	8/Chemung Co. ( 8)
<b>Waterbody Size:</b>	6.4 Miles	<b>Quad Map:</b>	ELMIRA (M-13-3)
<b>Seg Description:</b>	stream and tribs, above Elmira Reservoir		

## Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
UnAssessed Water		

### Type of Pollutant(s)

Known: ---  
Suspected: ---  
Possible: ---

### Source(s) of Pollutant(s)

Known: ---  
Suspected: ---  
Possible: ---

## Resolution/Management Information

**Issue Resolvability:** ()  
**Verification Status:** (Not Applicable for Selected RESOLVABILITY)  
**Lead Agency/Office:**  
**TMDL/303d Status:** n/a

**Resolution Potential:** n/a

## Further Details

This segment includes the portion of the stream and all tribs above Elmira Reservoir (P19). The waters of this portion of the stream are Class A. Tribs to this reach/segment are also Class A. Elmira Reservoir and Lower Hoffman Creek are listed separately.

# Elmira Reservoir (0501-0039)

UnAssessed

## Waterbody Location Information

Revised: 05/26/2004

<b>Water Index No:</b>	Pa 3-29-P19	<b>Drain Basin:</b>	Chemung River
<b>Hydro Unit Code:</b>	02050105/160	<b>Str Class:</b>	A
<b>Waterbody Type:</b>	Lake(R)	<b>Reg/County:</b>	8/Chemung Co. ( 8)
<b>Waterbody Size:</b>	2.0 Acres	<b>Quad Map:</b>	ELMIRA (M-13-3)
<b>Seg Description:</b>	entire reservoir		

## Water Quality Problem/Issue Information (CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted	Severity	Problem Documentation
UnAssessed Water		

### Type of Pollutant(s)

Known: ---  
Suspected: ---  
Possible: ---

### Source(s) of Pollutant(s)

Known: ---  
Suspected: ---  
Possible: ---

## Resolution/Management Information

Issue **Resolvability:** ()  
**Verification Status:** (Not Applicable for Selected RESOLVABILITY)  
**Lead Agency/Office:**  
**TMDL/303d Status:** n/a

**Resolution Potential:** n/a

## Further Details