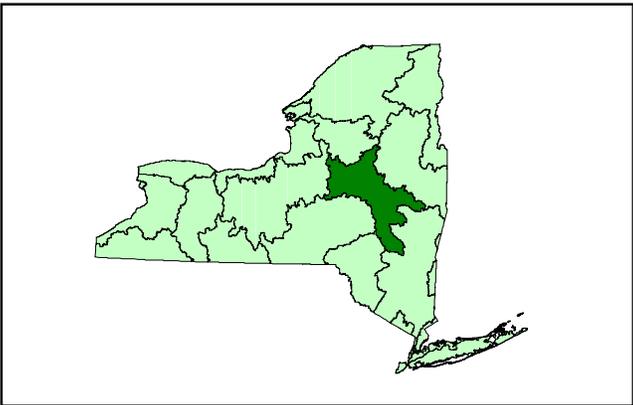
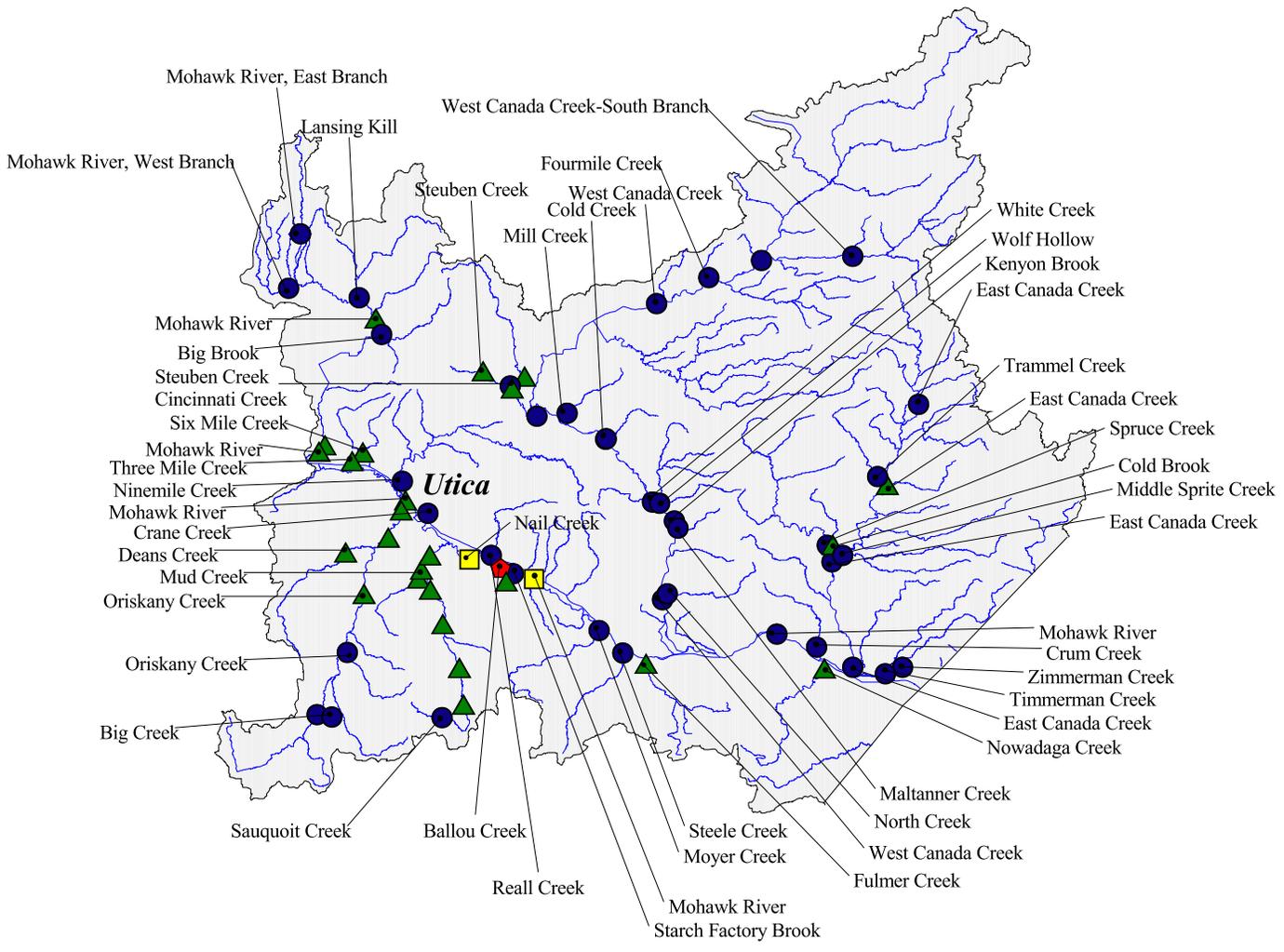
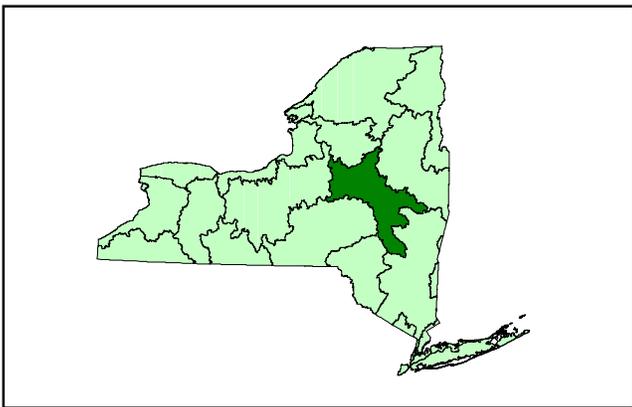
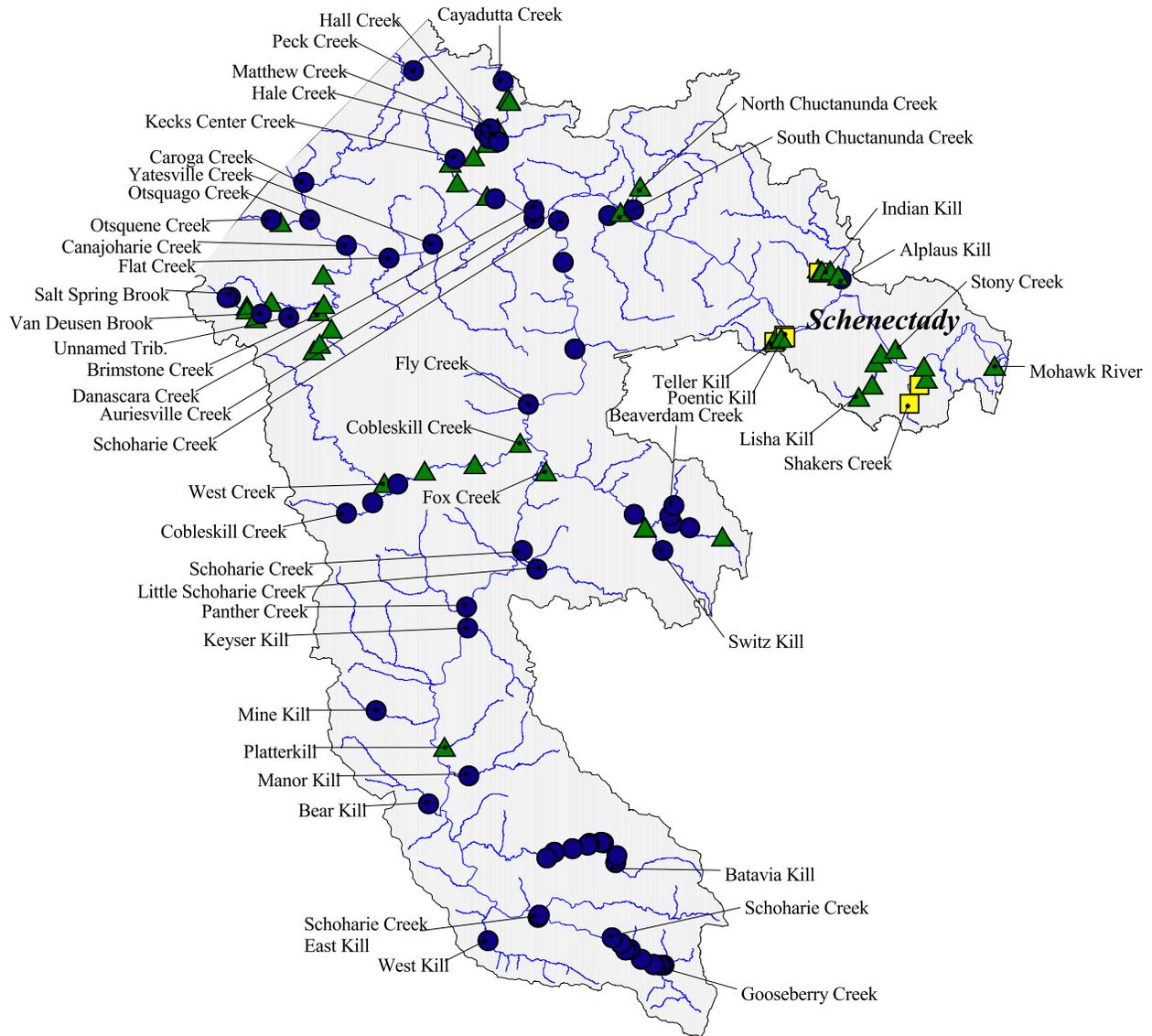


Mohawk River Drainage Basin (West)



Mohawk River Drainage Basin (East)



Water Quality Assessment based on Resident Macroinvertebrates

- non-impacted
- ▲ slightly impacted
- moderately impacted
- ◆ severely impacted



MOHAWK RIVER DRAINAGE BASIN SAMPLING SITES, 1972-2002

<u>STATION</u>	<u>LOCATION</u>	<u>YEAR SAMPLED</u>
ALPLAUS KILL (ALPL)		
01	Glenville, above Glenridge Rd. bridge	00 01
AURIES CREEK (AURI)		
01	Auriesville, at Rte 5S bridge	00
AVA BROOK (AVAB)		
01	West Branch, River Rd. bridge	00
BALLOU CREEK (BALU)		
01	Utica, downstream of CSO outlet	01
BATAVIA KILL (BATV)		
01	Hensonville, Rte 40	89
03	Hensonville, Silver Lake trib, Rte 65 bridge	89
04	Windham, Rte 296 bridge	89
05	Windham, Lake Heloise trib, Rte 23	89
07	Windham, Mitchell Hollow trib, Rte 23	89
08	Windham, Rte 79 bridge	89
10	Below Windham, Rte 12 bridge	99 00
12	Below Windham, North Settlement trib, Rte 23	89
13	Below Windham, Rte 17 bridge	89
14	Prattsville, Rte 23A bridge; above mouth	01
BEAR KILL (BEAR)		
01	Grand Gorge, above Rte 30 bridge	97 98
02	Below Grand Gorge, below Cottone Rd., off Rte 23	97 00
BEAVERDAM CREEK (BVRC)		
01	Berne, above Rte 254 bridge	00
05	Beaverdam Creek, Berne, below Rte 156 bridge	92
BIG BROOK (BIGB)		
01	Frenchville, above Rte 46 bridge	00
BIG CREEK (BICK)		
01	Deansboro, California Rd.	00
BRADT HOLLOW CREEK (FOX)		
06	Berne, below Rte 9 bridge	92
07	Berne, above mouth	92
BRIMSTONE CREEK (BRIM)		
01	Sharon Springs, above Rte 10 bridge; above STP	95
01A	Sharon Springs, above STP discharge	96
02A	Below Sharon Springs, above Greene Rd. culvert	96
02	Staleyville, below Rte 10 bridge,	96
03	Ames, West Ames Rd. bridge	95 96 00

MOHAWK RIVER DRAINAGE BASIN SAMPLING SITES, 1972-2002

<u>STATION</u>	<u>LOCATION</u>	<u>YEAR SAMPLED</u>			
CANAJOHARIE CREEK (CAJO)					
A	Below Salt Springville, below Dugway Rd. bridge			95	
01	Below Salt Springville, above Mill Rd. bridge			95	
02	Sprout Brook, above Van Deusenville Rd. bridge	93	94	95	00
02A	Buel, above South Buel Rd. bridge		94	95	
03	Ames, above Rte 10 bridge at Cornerstone Bapt.Church			95	
04	Marshville, above McEwan Rd. bridge	93	94	95	
05	Canajoharie, above Montgomery Rd. bridge				00 01
CAROGA CREEK (CARO)					
01	St. Johnsville, above Rte 5 bridge		89	96	00
CAYADUTTA CREEK (CAYA)					
A	Gloversville, above West State St. Ext. bridge			96	
B	Gloversville, above confluence w/ West Branch			96	
C	Gloversville, above Broad St. bridge			96	
D	Gloversville, above Main St. bridge			96	
E	Johnstown, below Townsend Ave. bridge			96	
F	Johnstown, above West Main St. bridge			96	
01	Below Johnstown, above Union Ave. Ext. bridge	86	89	92	96
02	Sammonsville, above Rte 334 bridge	86	89	90	92 95 96 00
03	Berryville, above Rte 334 bridge	86	89	92	96
04	Fonda, above Rte 5 bridge	86		92	96
CINCINNATI CREEK (CINC)					
01	Prospect, below Rte 365		90		00
1A	Barneveld, at Park St. bridge				01
02	Mapledale, above Rte 28 bridge				00
COBLESKILL CREEK (COBL)					
01	Richmondville, below Mill St. bridge			96	
02	Below Richmondville, above Podpadic Rd. bridge			96	00
04	Above Cobleskill, above Rte 7&10 bridge			96	
05	Cobleskill, above Rte 7 bridge			96	
06	Bramanville, above "Animal Shelter" road bridge			96	
07	Central Bridge, above Rte 30A bridge			96	00
COLD BROOK (COLB)					
01	Shedd Corners, Co Rte 164, Nash Rd.				00
COLD CREEK (CLDB)					
01	Poland, Mill St.				00
CRANE CREEK (CRNE)					
01	Marcy, below Old River Rd. culvert				00

MOHAWK RIVER DRAINAGE BASIN SAMPLING SITES, 1972-2002

<u>STATION</u>	<u>LOCATION</u>	<u>YEAR SAMPLED</u>
CRUM CREEK (CRCR)		
01	Manheim Center, above Rte 5 bridge	00
DANASCARA CREEK (DANA)		
01	Tribes Hill, Mohawk Rd. bridge	00
DEANS CREEK (DEAN)		
01	Westmoreland, Rte 233	00
EAST CANADA CREEK (CANE)		
01	Oregon, above Piseco Rd. bridge	96
02	Stratford, above Rte 29A bridge	96
03	Dolgeville, above Rte 29 bridge	96
04	Ingham Mills, below Rte 150 bridge	96
05	East Creek, Rte 5	89 95 96
EAST KILL (EAST)		
01	Jewett Center, below Rte 23A bridge	00
FLAT CREEK (FLAT)		
01	Sprakers, below Rte 5S bridge	00
FLY CREEK (FLYM)		
01	Sloansville, above Rte 30A bridge	00
FOUR-MILE CREEK (FOUR)		
01	Wilmurt Corners, Attwood Rd.	00
FOX CREEK (FOX)		
01	East Berne, above Rte 443	92
03	Berne, above Chrysler Ln Bridge	92
04	Berne, below Rte 443 bridge, below waterfall	92
07A	Berne, above Bradt Hollow Creek mouth	92
07B	Berne, below Bradt Hollow Creek mouth	92
08	West Berne, below Rte 443	92
10	Schoharie, below Rte 30 bridge - at Fox Creek Park	00 01
FULMER CREEK (FULM)		
01	Above Mohawk, above Casey Rd. intersection with Rte 168	89
02	Mohawk, above Main St. bridge	89
GOOSEBERRY CREEK (SCHO)		
01	Tannersville, above STP	75 86
01A	Tannersville, at STP	89
02	Tannersville, Below STP	75 86 89
02A	Below Tannersville, Bloomer Rd.	86 89
03	Below Tannersville, above Schoharie Creek confluence	75 86 89

MOHAWK RIVER DRAINAGE BASIN SAMPLING SITES, 1972-2002

<u>STATION</u>	<u>LOCATION</u>	<u>YEAR SAMPLED</u>	
HALE CREEK (HALE)			
01	Johnstown, below North Chase St. bridge		00
HALL CREEK (HALL)			
01	Johnstown, below Johnstown Ave bridge	89	
02	Johnstown, above Pleasant Ave bridge	89	00
INDIAN KILL (INDK)			
01	Mayfair, below footbridge @Hickory Lane		00
02	Mayfair, above Bigwood Rd. bridge		00
03	Mayfair, below Rte 50 bridge		00
04	Glenville, below Mayfair Plaza trib, off Mayfair Rd.		00
05	Glenridge, behind Woodlin Club		00
06	Glenville, above Maple Ave.		00
KECKS CENTER CREEK (KECK)			
01	Sammonsville, below Co. Rte 116 bridge		00
KENYON BROOK (KNYN)			
01	Middleville, Rte 28		00
KEYSER KILL (KEYS)			
01	Breakabeen, above Rte 30 bridge		00
LANSING KILL (LKIL)			
01	Hillside, above Webster Hill Rd.		00
LISHA KILL (LISH)			
01	Colonie, at Colonie Riding & Racing Stable; Morris Rd.	96	
02	Colonie, above Consaul Rd. bridge	96	02
03	Niskayuna, above Rte 7	96	00
04	Niskayuna, above Rosendale Rd. bridge	96	01
LITTLE SCHOHARIE CREEK (LSCH)			
01	Middleburgh, below Rte 145 bridge		00
MALTANNER CREEK (MALT)			
01	Middleville, Rte 169		00
MANOR KILL (MANR)			
01	West Conesville, above Pangman Rd. bridge		00
MATTHEW CREEK (MATT)			
01	Johnstown, above O'Neil Ave. bridge	89	95 00
MIDDLE SPRITE CREEK (SPRT)			
01	Dolgeville, above Lotville Rd. bridge		00
MILL CREEK (MILM)			
01	Gravesville, above Rte 242 bridge		00

MOHAWK RIVER DRAINAGE BASIN SAMPLING SITES, 1972-2002

STATION LOCATION

YEAR SAMPLED

MINE KILL (MINE)

01 North Blenheim, above Rte 13 bridge 00

MOHAWK RIVER (MOHK)

A	North Western, above River Rd. bridge		89	90	95	00	01
01	Rome, Floyd Ave bridge	72	78		90	95	00
01A	Rome, above E. Bloomfield St. bridge					95	00
02	Below Rome, canal, Rte 49	72	78				
03	Oriskany, Chaminade Rd. bridge	72	78	86	89	95	00
04	Above Utica, Mohawk St. bridge	72	78	86			
05	Above Utica, Barnes Ave bridge	72					
06	W. Schuyler, Dyke Rd. bridge	72	78	86	89	90	96
07	Above Frankfort	72					
08	Above Frankfort	72	78				
09	Above Ilion, unnumbered white buoy	72	78				
10	Below Herkimer (canal)	72					
11	Below Herkimer (river)	72					
12	Above Little Falls, Buoy 479	72	78				
13	Little Falls, green Buoy 459, below Lock 17	72		86	90	95	00
14	Below Little Falls, Buoy 447	72	78				
15	St. Johnsville, Buoy 415	72	78				
16	Above Fort Plain, Buoy 383	72	78				
17	Below Fort Plain, below Lock 15	72					
18	Below Canajoharie, Buoy 321	72	78				
19	Above Fonda, above Cayadutta Ck mouth	72		86			
19A	Fonda, green Buoy 277, below Rte 30A bridge			89	90	95	00
20	Auriesville, Buoy 255	72	78	86			
21	Above Amsterdam, Buoy 225	72		89			
22	Below Amsterdam, Buoy 201A	72	78	86			
23	Above Rotterdam, Buoy 168	72	78	86			
24	Above Scotia, Buoy 127	72	78	86	89		
25	Schenectady, Buoy 83	72	78	86			
26	Below Schenectady, Buoy 53	72	78	86			
27	Mohawk View, Buoy 35	72	78				
28	Crescent, Buoy 9	72	78				
29	Cohoes, above Rte 32 and RR bridges	72	78	89			
29A	Waterford, Button Park			90		95	98
30	Cohoes/Van Schaick Island	72					00

MOHAWK RIVER, EAST BRANCH (MHKE)

01 Ava, below Co. Rte. 67 bridge 00

MOHAWK RIVER, WEST BRANCH (MHKW)

01 West Branch, above Rte 26 bridge 00

MOHAWK RIVER DRAINAGE BASIN SAMPLING SITES, 1972-2002

<u>STATION</u>	<u>LOCATION</u>	<u>YEAR SAMPLED</u>
MOYER CREEK (MOYR)		
01	Frankfort, Main St.	00
MUD CREEK (MUD)		
02	New Hartford, above Clinton St. bridge	95
03	Whitesboro, above Henderson St. bridge	95 96
NAIL CREEK (NAIL)		
01	Utica, Haak Rd.	00 01
NINEMILE CREEK (NMIL)		
01	Marcy, River Rd. bridge	90 00 01
NORTH CHUCTANUNDA CREEK (NCHU)		
02	Above Amsterdam, below Crescent Ave. bridge	96
2A	Amsterdam, above Willow St. bridge	00
03	Amsterdam, below Rte. 5 bridge	96
NORTH CREEK (NRCR)		
01	Kast Bridge, West End Rd., Co. Rte 7	00
NOWADAGA CREEK (NOWA)		
01	Indian Castle, below Rt 5S bridge	00
ORISKANY CREEK (ORSK)		
01	Above Oriskany Falls, Rte 12B	72 90
02	Below Oriskany Falls, above Van Hyning Rd. bridge	72 90
03	Above Clinton, above Page Rd. bridge	72 90
04	Kirkland, above Rte 5 bridge	72 90
05	Colemans Mills, above Old Valley Rd. bridge	72 90
06	Oriskany, above Utica St. bridge	96 00 01
OTSQUAGO CREEK (OTSQ)		
01	Valley Brook, above Spring St. bridge	96 00
02	Fort Plain, East State St.	01
OTSQUENE CREEK (OTSN)		
01	Valley Brook, above Rte 80 bridge	00
PANTHER CREEK (PANT)		
01	Breakabeen, Rte 30 bridge	00
PECK CREEK (PECK)		
01	North Bush, below North Bush Rd. bridge	00
PLATTERKILL (PLTR)		
01	Gilboa, Co. Rte 17 crossing	00

MOHAWK RIVER DRAINAGE BASIN SAMPLING SITES, 1972-2002

<u>STATION</u>	<u>LOCATION</u>	<u>YEAR SAMPLED</u>		
POENTIC KILL (POEN)				
01	Rotterdam Square area, above junction with Teller Kill	88	89	02
02	Rotterdam Square area, Campbell Rd. above culverts opp. BJs/OffMax	87	88 89	00 02
03	Rotterdam Square area, behind Orlev Provisions	87		
03A	Rotterdam Square area, below east mall entrance bridge	88	89	02
04	Rotterdam Square area, below mall	87	88 89	
04	Rotterdam Square area, below regulatory gates			02
REALL CREEK (REAL)				
00	Deerfield, off North Genesee St.			01
01	Deerfield, above Firehouse Rd. bridge			00
SALT SPRING BROOK (CAJO)				
00	Below Salt Springville, below Dugway Rd. bridge		95	
SAUQUOIT CREEK (SAUQ)				
01	Greens Crossing, above Greens Crossing Rd. bridge		95	
02	Clayville, @ Main St. bridge		95	
03	Sauquoit, above Pinnacle Rd. bridge		95	
04	Washington Mills, above Rte 8 bridge	90	95	
05	New Hartford, Rte. 26; below double dam		95	
06	Whitesboro, end of Greenman Ave	90	95	00
SCHOHARIE CREEK (SCHO)				
04	Below Tannersville, above Gooseberry Ck confluence	75	86 89	
05	Hunter, above Rte. 214 bridge	75	86 89	95
06	Above Hunter, above Rte. 23A bridge		89	
06A	Above Hunter, above Hunter Mt. water diversion			95
07	Hunter, below Rte 83 bridge		89	95
09	Hunter, below Bridge St. bridge		89	95
10	below Hunter, above Deming Rd. bridge		89	95 99 00
11	Jewett Center, above confluence with East Kill		89	
14	Middleburgh, below Rte 30 bridge		89	
16	Burtonsville, above Braman Corners Rd. bridge	89	90	95 00
17	Mill Point, above Rte 161 bridge		93	
18	Fort Hunter, above Thruway bridge		93	01
SHAKERS CREEK (SHAK)				
01	Colonie, below Rte155		96	
02	Colonie, below Old Niskayuna Rd. culvert		96	
03	Latham, above Mill Rd. bridge		96	00
04	Latham, above River Rd. bridge		96	

MOHAWK RIVER DRAINAGE BASIN SAMPLING SITES, 1972-2002

<u>STATION</u>	<u>LOCATION</u>	<u>YEAR SAMPLED</u>
SHANTY HOLLOW BROOK (SHAN)		
01	Hunter Mt. Ski area, above holding pond	90
02	Hunter Mt. Ski area, below culvert outlet	90
03	Hunter, below Co. Rte 83 bridge	90
04	Hunter, above confluence with Schoharie Ck	89 90
SIX MILE CREEK		
01	Rome, below Rickmyer Rd. bridge	95 96 00
SOUTH CHUCTANUNDA CREEK (SCHU)		
01	South Amsterdam, at Snooks Corners Rd. bridge	96 00
01A	South Amsterdam, below RR bridge	90
SPRUCE CREEK (SPRC)		
01	Shedd Corners, below Co. Rte 164 bridge	00
STARCH FACTORY CREEK (STCH)		
00	Utica, in Proctor Park; off foot path	01
01	Utica, Off Broad St., behind Post Office	00
STEELE CREEK (STLE)		
01	Ilion, Clark St. @ dead end & Power station	00
STEUBEN CREEK (STEU)		
01	Barneveld, above McDonald Rd. bridge	90 00
02	Barneveld, below Boon Hollow Rd. bridge	00
STONY CREEK (STCR)		
01	Vischer Ferry, below Riverview Rd. bridge (firehouse)	00
SWITZ KILL (SWTZ)		
01	Berne, above Ravine Rd., Drezelo farm	92 00
TELLER KILL (POEN)		
01A	Rotterdam Square area, above junction with Poentic Kill	88
THREE MILE CREEK (THRE)		
01	Rome, below Rte 365	00
TIMMERMAN CREEK (TIMM)		
01	St. Johnsville, above Rte 5 bridge	00
TRAMMEL CREEK (TRAM)		
01	Stratford, above Bingham Hill Rd. bridge	00
VAN DEUSEN BROOK (VAND)		
01	Van Deusenville, above Barringer Rd. bridge	95
02	Van Deusenville, below Mill Rd. bridge	95

MOHAWK RIVER DRAINAGE BASIN SAMPLING SITES, 1972-2002

<u>STATION</u>	<u>LOCATION</u>	<u>YEAR SAMPLED</u>	
WARNERS LAKE OUTLET (FOX)			
02	East Berne, Rte 443	92	
WEST CANADA CREEK (CANW)			
01	Nobleboro, Haskell Rd., above Rte 8	90	
02	East of Hinkley Res, Harvey Bridge Rd.		00
03	Poland, Mill St.		00
04	Kast Bridge, above North Creek Rd. bridge	89 90	95 01
WEST CANADA CREEK, SOUTH BRANCH (CANS)			
01	East of Morehouseville, Mountain Home Rd.		00
WEST CREEK (WECR)			
03	Warnerville, above Patrick Rd. bridge		00
WEST KILL (WKIL)			
01	West Kill, Rte 42 bridge		00
WHITE CREEK (WHTE)			
01	Below Newport, Rte 28		00
WOLF HOLLOW (WOLH)			
01	Welch Corners, Rte 28		00
YATESVILLE CREEK (YVIL)			
01	Randall, above Co. Rte 105 bridge		00
ZIMMERMAN CREEK (ZIMM)			
01	St. Johnsville, North Division St. bridge		00
UNNAMED TRIBUTARY TO CANAJOHARIE CREEK (CAJO)			
02B	Buel, South Buel Rd. bridge		95

ASSESSMENTS OF WATER QUALITY OF STREAMS IN THE MOHAWK RIVER DRAINAGE BASIN, BASED ON MACROINVERTEBRATE COMMUNITIES

<u>Site/Reach</u>	<u>Water Quality Assessment</u>	<u>Change from 1992</u>
Alplaus Kill, Glenville	non-impacted	no prior data
Auriesville Creek, Auriesville	non-impacted	no prior data
Ava Brook, West Branch	non-impacted	no prior data
Ballou Creek, Utica	severely impacted	no prior data
Batavia Kill, below Windham	non-impacted	no change
Batavia Kill, Prattsville	non-impacted	no prior data
Bear Kill, Grand Gorge	non-impacted	no prior data
Bear Kill, below Grand Gorge	non-impacted	no prior data
Beaverdam Creek, Berne	non-impacted	no prior data
Big Brook, Frenchville	non-impacted	no prior data
Big Creek, Deansboro	non-impacted	no prior data
Brimstone Creek, Sharon Springs, 0.25 mi. above STP discharge	slightly impacted	no prior data
Brimstone Creek, Sharon Springs, 200 m above STP discharge	slightly impacted	no prior data
Brimstone Cr., below Sharon Springs	slightly impacted	no prior data
Brimstone Creek, Staleyville	slightly impacted	no prior data
Brimstone Creek, Ames	slightly impacted	no prior data
Canajoharie Creek, below Salt Springville	non-impacted	no prior data
Canajoharie Creek, below Salt Springville	non-impacted	no prior data
Canajoharie Creek, Sprout Brook	slightly impacted	no prior data
Canajoharie Creek, Buel	slightly impacted	no prior data
Canajoharie Creek, Ames	slightly impacted	no prior data
Canajoharie Creek, Marshville	slightly impacted	no prior data
Canajoharie Creek, Canajoharie	non-impacted	no prior data
Caroga Creek, St. Johnsville	non-impacted	no change
Cayadutta Creek, Gloversville, above West State St. Ext.	non-impacted	no prior data
Cayadutta Creek, Gloversville, above confluence with West Branch	slightly impacted	no prior data
Cayadutta Creek, West Branch, Gloversville, above Broad St.	slightly impacted	no prior data
Cayadutta Creek, Gloversville, above Main St.	slightly impacted	no prior data
Cayadutta Creek, Johnstown, below Townsend Ave.	slightly impacted	no prior data
Cayadutta Creek, Johnstown, above West Main St.	slightly impacted	no prior data

ASSESSMENTS OF WATER QUALITY OF STREAMS IN THE MOHAWK RIVER DRAINAGE BASIN,
 BASED ON MACROINVERTEBRATE COMMUNITIES

<u>Site/Reach</u>	<u>Water Quality Assessment</u>	<u>Change from 1992</u>
Cayadutta Creek, below Johnstown	slightly impacted	no change
Cayadutta Creek, Sammonsville	slightly impacted	no change
Cayadutta Creek, Berryville	slightly impacted	no change
Cayadutta Creek, Fonda	slightly impacted	no change
Cincinnati Creek, Prospect	slightly impacted	no change
Cincinnati Creek, Barneveld	slightly impacted	no prior data
Cincinnati Creek, Mapledale	non-impacted	no prior data
Cobleskill Creek, Richmondville	non-impacted	no prior data
Cobleskill Creek, below Richmondville	non-impacted	no prior data
Cobleskill Creek, above Cobleskill	non-impacted	no prior data
Cobleskill Creek, Cobleskill	slightly impacted	no prior data
Cobleskill Creek, Bramanville	slightly impacted	no prior data
Cobleskill Creek, Central Bridge	slightly impacted	no prior data
Cold Brook, Shedd Corners	slightly impacted	no prior data
Cold Creek, Poland	non-impacted	no prior data
Crane Creek, Marcy	non-impacted	no prior data
Crum Creek, Manheim Center	non-impacted	no prior data
Danascara Creek, Tribes Hill	non-impacted	no prior data
Deans Creek, Westmoreland	slightly impacted	no prior data
East Canada Creek, Oregon	non-impacted	no prior data
East Canada Creek, Stratford	non-impacted	no prior data
East Canada Creek, Dolgeville	non-impacted	no prior data
East Canada Creek, Ingham Mills	non-impacted	no prior data
East Canada Creek, East Creek	non-impacted	no change
East Kill, Jewett Center	non-impacted	no prior data
Flat Creek, Sprakers	non-impacted	no prior data
Fly Creek, Sloanville	non-impacted	no prior data
Four-Mile Creek, Wilmurt Corners	non-impacted	no prior data
Fox Creek, West Berne	non-impacted	IMPROVED
Fox Creek, Schoharie	slightly impacted	no prior data
Fulmer Creek, Mohawk	slightly impacted	no change
Gooseberry Creek, below Tannersville	non-impacted	no change
Hale Creek, Johnstown	non-impacted	no prior data

ASSESSMENTS OF WATER QUALITY OF STREAMS IN THE MOHAWK RIVER DRAINAGE BASIN,
BASED ON MACROINVERTEBRATE COMMUNITIES

<u>Site/Reach</u>	<u>Water Quality Assessment</u>	<u>Change from 1992</u>
Hall Creek, Johnstown	non-impacted	IMPROVED
Indian Kill, Mayfair, @Hickory Lane	slightly impacted	no prior data
Indian Kill, Mayfair, above Bigwood Rd	moderately impacted	no prior data
Indian Kill, Mayfair, below Rte 50	slightly impacted	no prior data
Indian Kill, Glenville, off Mayfair Rd	slightly impacted	no prior data
Indian Kill, Glenridge	slightly impacted	no prior data
Indian Kill, Glenville, at Maple Ave	slightly impacted	no prior data
Kecks Center Creek, Sammonsville	non-impacted	no prior data
Kenyon Brook, Middleville	non-impacted	no prior data
Keyser Kill, Breakabeen	non-impacted	no prior data
Lansing Kill, Hillside	non-impacted	no prior data
Lisha Kill, Colonie, Morris Rd	slightly impacted	no prior data
Lisha Kill, Colonie, above Consaul Rd.	slightly impacted	no prior data
Lisha Kill, Niskayuna, above Rt. 7	slightly impacted	no prior data
Lisha Kill, Niskayuna, above Rosendale Rd	slightly impacted	no prior data
Little Schoharie, Middleburgh	non-impacted	no prior data
Maltanner Creek, Middleville	non-impacted	no prior data
Manor Kill, West Conesville	non-impacted	no prior data
Matthew Creek, Johnstown	non-impacted	IMPROVED
Middle Sprite Creek, Dolgeville	non-impacted	no prior data
Mill Creek, Gravesville	non-impacted	no prior data
Mine Kill, North Blenheim	non-impacted	no prior data
Mohawk River, North Western	slightly impacted	DECLINED
Mohawk River, Rome, below Floyd Ave	slightly impacted	no change
Mohawk River, Rome, above East Bloomfield St.	slightly impacted	no prior data
Mohawk River, Oriskany	moderately impacted	DECLINED
Mohawk River, West Schuylers	moderately impacted	no change
Mohawk River, Little Falls	slightly impacted	no change
Mohawk River, Fonda	non-impacted	IMPROVED
Mohawk River, Waterford	slightly impacted	no change
Mohawk River, East Branch, Ava	non-impacted	no prior data
Mohawk River, West Branch, West Branch	non-impacted	no prior data
Moyer Creek, Frankfort	non-impacted	no prior data
Mud Creek, New Hartford	slightly impacted	no prior data

ASSESSMENTS OF WATER QUALITY OF STREAMS IN THE MOHAWK RIVER DRAINAGE BASIN,
 BASED ON MACROINVERTEBRATE COMMUNITIES

<u>Site/Reach</u>	<u>Water Quality Assessment</u>	<u>Change from 1992</u>
Mud Creek, Whitesboro	slightly impacted	no prior data
Nail Creek, Utica	moderately impacted	no prior data
Ninemile Creek, Marcy	non-impacted	no change
North Chuctanunda Creek, above Amsterdam	slightly impacted	no prior data
North Chuctanunda Creek, Amsterdam, above Willow St	non-impacted	no prior data
North Chuctanunda Creek, Amsterdam, below Rte. 5S	slightly impacted	no prior data
North Creek, Kast Bridge	non-impacted	no prior data
Nowadaga Creek, Indian Castle	slightly impacted	no prior data
Oriskany Creek, below Oriskany Falls	non-impacted	IMPROVED
Oriskany Creek, Colemans Mills	slightly impacted	DECLINED
Oriskany Creek, Oriskany	slightly impacted	no prior data
Otsquago Creek, Valley Brook	non-impacted	no prior data
Otsquago Creek, Fort Plain	non-impacted	no prior data
Otsquene Creek, Valley Brook	non-impacted	no prior data
Panther Creek, Breakabeen	non-impacted	no prior data
Peck Creek, North Bush	non-impacted	no prior data
Platterkill, Gilboa	slightly impacted	no prior data
Poentic Kill, Rotterdam Square area, above junction with Teller Kill	slightly impacted	no change
Poentic Kill, Rotterdam Square area, Campbell Rd	slightly impacted	no change
Poentic Kill, Rotterdam Square area, below east mall entrance	moderately impacted	DECLINED
Poentic Kill, Rotterdam Square area, below regulatory gates	slightly impacted	no change
Reall Creek, Deerfield, N. Genesee St.	slightly impacted	no prior data
Reall Creek, Deerfield, Firehouse Road	slightly impacted	no prior data
Salt Spring Brook, below Salt Springville	non-impacted	no prior data
Sauquoit Creek, Greens Crossing	slightly impacted	no prior data
Sauquoit Creek, Clayville	non-impacted	no prior data
Sauquoit Creek, Sauquoit	slightly impacted	no prior data
Sauquoit Creek, Washington Mills	slightly impacted	no change
Sauquoit Creek, New Hartford	slightly impacted	no prior data

ASSESSMENTS OF WATER QUALITY OF STREAMS IN THE MOHAWK RIVER DRAINAGE BASIN,
 BASED ON MACROINVERTEBRATE COMMUNITIES

<u>Site/Reach</u>	<u>Water Quality Assessment</u>	<u>Change from 1992</u>
Sauquoit Creek, Whitesboro	slightly impacted	no change
Schoharie Creek, above Hunter, above Rte. 214	non-impacted	no change
Schoharie Creek, above Hunter, above Hunter Mt. water diversion	non-impacted	no prior data
Schoharie Creek, Hunter, below Rte. 83 bridge	non-impacted	no change
Schoharie Creek, Hunter, below below Bridge St.	non-impacted	no change
Schoharie Creek, below Hunter	non-impacted	no change
Schoharie Creek, Burtonsville	non-impacted	no change
Schoharie Creek, Mill Point	non-impacted	no prior data
Schoharie Creek, Fort Hunter	non-impacted	no prior data
Shakers Creek, Colonie, below Rt.155	moderately impacted	no prior data
Shakers Creek, Colonie, below Old Niskayuna Rd	moderately impacted	no prior data
Shakers Creek, Latham, above Mill Rd.	slightly impacted	no prior data
Shakers Creek, Latham, above River Rd.	slightly impacted	no prior data
Six Mile Creek, Rome	slightly impacted	no prior data
South Chuctanunda Creek, South Amsterdam	non-impacted	IMPROVED
Spruce Creek, Shedd Corners	non-impacted	no prior data
Starch Factory Creek, Utica, in Proctor Park	slightly impacted	no prior data
Starch Factory Creek, Utica, Off Broad St	non-impacted	no prior data
Steele Creek, Ilion	non-impacted	no prior data
Steuben Creek, above Barneveld	slightly impacted	no change
Steuben Creek, Barneveld	non-impacted	no prior data
Stony Creek, Vischers Ferry	slightly impacted	no prior data
Switz Kill, Berne	non-impacted	no change
Three Mile Creek, Rome	slightly impacted	no prior data
Timmerman Creek, St. Johnsville	non-impacted	no prior data
Trammel Creek, Stratford	non-impacted	no prior data
Van Deusen Brook, Van Deusenville, above Barringer Rd	slightly impacted	no prior data

ASSESSMENTS OF WATER QUALITY OF STREAMS IN THE MOHAWK RIVER DRAINAGE BASIN,
 BASED ON MACROINVERTEBRATE COMMUNITIES

<u>Site/Reach</u>	<u>Water Quality Assessment</u>	<u>Change from 1992</u>
Van Deusen Br., Van Deusenville, Mill Rd.	non-impacted	no prior data
West Canada Creek, east of Hinkley Reservoir	non-impacted	no prior data
West Canada Creek, Poland	non-impacted	no prior data
West Canada Creek, Kast Bridge	non-impacted	no prior data
West Canada Creek, South Branch, east of Morehouseville	non-impacted	no prior data
West Creek, Warnerville	slightly impacted	no prior data
West Kill, West Kill	non-impacted	no prior data
White Creek, below Newport	non-impacted	no prior data
Wolf Hollow, Welch Corners	non-impacted	no prior data
Yatesville Creek, Randall	non-impacted	no prior data
Zimmerman Creek, St. Johnsville	non-impacted	no prior data
Unnamed tributary to Canajoharie Creek, Buel	non-impacted	no prior data

REPORTS OF MACROINVERTEBRATE SURVEYS WITHIN THE MOHAWK RIVER
WATERSHED

STREAM	YEAR OF SURVEY	REPORT
Batavia Kill	1989	SBU,1990
Brimstone Creek	1996	SBU,1997
Canajoharie Creek	1995	SBU,1996
Cayadutta Creek	1973	AVON
Cayadutta Creek	1980	EPA,1983
Cayadutta Creek	1986	SBU,1986
Cobleskill Creek	1996	SBU,1997
East Canada Creek	1996	SBU,1997
Fox Creek	1992	SBU,1993
Gooseberry Creek	1975	DOH
Gooseberry Creek	1975	AVON
Gooseberry Creek	1986	SBU,1986
Hale Creek	1976-1977	AVON
Indian Kill	1998-1999	EST
Indian Kill	2000	SBU,2001
Lisha Kill	1996	SBU,1996
Mohawk River	1972	DOH
Mohawk River	1978	KAPL,1980
Mohawk River	1986	SBU,1988
Oriskany Creek	1972	DOH
Oriskany Creek	1990	SBU,1990
Poentic Kill	1987	SBU,1988
Poentic Kill	1988	SBU,1989
Poentic Kill	1989	SBU,1989
Poentic Kill	2001	SBU,2002
Sauquoit Creek	1995	SBU,1995
Schoharie Creek	1972	AVON
Schoharie Creek	1989	SBU,1990
Schoharie Creek	1995	SBU,1995
Schoharie Creek	2002	HBRW
Shanty Hollow Brook	1990	SBU,990
Watershed Streams	1989-1990	RIBS,1992

AVON Avon Pollution Investigations Unit, Div. of Fish & Wildlife, NYS DEC
 DOH New York State Department of Health
 EPA United States Environmental Protection Agency
 EST Environmental Study Team
 HBRW Hudson Basin River Watch, Rapid Watershed Assessment Program
 KAPL Knolls Atomic Power Laboratory

RIBS
SBU

Rotating Intensive Basin System, Statewide Waters Assessment Section, NYS DEC
Stream Biomonitoring Unit, Division of Water, NYS DEC

Alplaus Kill

Water quality at Freemans Bridge was assessed as non-impacted, based on macroinvertebrate sampling in 2000 and 2001. The 2000 assessment was based on a field assessment. The 2001 assessment was based on a laboratory-processed sample. Impact Source Determination indicated that nutrient enrichment was present, although the fauna remained healthy and diverse.

Auries Creek

Non-impacted water quality is assessed for this tributary of the Mohawk River at Auriesville. The 2000 sampling field-assessed water quality as excellent, and the sample was not processed. No prior data were available for the stream.

Ava Brook

Water quality was assessed as non-impacted for this tributary of the West Branch Mohawk River, based on macroinvertebrate sampling at West Branch in 2000. The site was field-assessed as non-impacted, and the sample was not processed. No prior data were available for the stream.

Ballou Creek

Severely impacted water quality was assessed for Ballou Creek in Utica, based on 2001 macroinvertebrate sampling. The fauna consisted almost entirely of pollution-tolerant worms and midges. Municipal/industrial inputs were denoted as the source of impact, and Combined Sewer Overflows (CSOs) are likely involved. Poor habitat was also a factor at this site, but very poor water quality was definitely indicated.

Batavia Kill

Current water quality in the Batavia Kill is assessed as non-impacted. Macroinvertebrate sampling was conducted at sites below Windham and at Prattsville, in 1999, 2000, and 2001. All samplings found diverse faunas of mayflies, stoneflies, and caddisflies. Water quality in the Batavia Kill was also previously assessed as non-impacted. Sections of the stream have undergone restoration efforts following extensive damage from the flood of January, 1996.

Bear Kill

Water quality was assessed as non-impacted for two sites on this Schoharie Reservoir tributary. Sites were sampled in Grand Gorge in 1997 and 1998, and below the NYC DEP Grand Gorge Wastewater Treatment Plant in 1997 and 2000. Clean-water mayflies, stoneflies, and caddisflies were present at both sites.

Beaverdam Creek

This stream in Berne was assessed as non-impacted in 2000 macroinvertebrate sampling. The site was previously assessed as non-impacted in 1992. The 2000 sample contained mayflies, stoneflies, and caddisflies. It was field-assessed as non-impacted, and was not processed.

Big Brook

Water quality was assessed as non-impacted for this Mohawk River tributary, based on macroinvertebrate sampling at Frenchville in 2000. The sample contained mayflies, stoneflies, and caddisflies. It was field-assessed as non-impacted, and was not processed. No prior data were available for the stream.

Big Creek

This tributary of Oriskany Creek was assessed as non-impacted in 2000. The site was field-assessed, and the macroinvertebrate sample was not processed. Anglers at this site reported a wild brown trout population in the stream.

Brimstone Creek

Water quality in Brimstone Creek is assessed as slightly impacted, primarily by minor nutrient enrichment, in the reach sampled. The most recent sampling was conducted in 2000 at Ames. Mayflies, stoneflies, and caddisflies were represented at the site. Four sites from Sharon Springs to Ames were sampled in 1996, and water quality at all sites was assessed as slightly impacted. Factors possibly affecting the fauna were the upstream sulfur springs, the discharge of the Sharon Springs (V) Sewage Treatment Facility, and agricultural nonpoint sources. The sewage treatment facility was upgraded in 1996.

Canajoharie Creek

Most of Canajoharie Creek is currently assessed as slightly impacted by agricultural nonpoint nutrient enrichment, from Sprout Brook to Marshville. An upstream location below Salt Springville was assessed as non-impacted in 1995, with the initial assessment of slight impact upgraded due to headwater effects. At a downstream location in the village of Canajoharie, non-impacted water quality was assessed in 2000 and 2001. The 2000 assessment was based on a field assessment. The 2001 assessment was based on a laboratory-processed sample. Both samplings found diverse faunas of mayflies, stoneflies, and caddisflies.

Caroga Creek

Water quality of this Mohawk River tributary was determined to be non-impacted, based on macroinvertebrate sampling at St. Johnsville in 1996 and 2000. No change was indicated compared to the assessment of 1989.

Cayadutta Creek

Current water quality in most of Cayadutta Creek is considered slightly impacted, with the exception of non-impacted water quality upstream of Gloversville. Ten sites from Gloversville to Fonda were sampled for macroinvertebrates in 1996. Water quality declined as the stream passed through Gloversville, due to multiple urban nonpoint sources. The discharge of the Gloversville-Johnstown Wastewater Treatment Facility had minimal impact on water quality. The site at Sammons ville was also sampled in 2000, and was determined to be slightly impacted. The macroinvertebrate community at the Sammons ville site was well-balanced and dominated by mayflies, with stoneflies and caddisflies also present. This site previously was assessed as slightly impacted in 1992 (Figure 12-1), reflecting greatly improved conditions following the upgrade of the wastewater treatment facility.

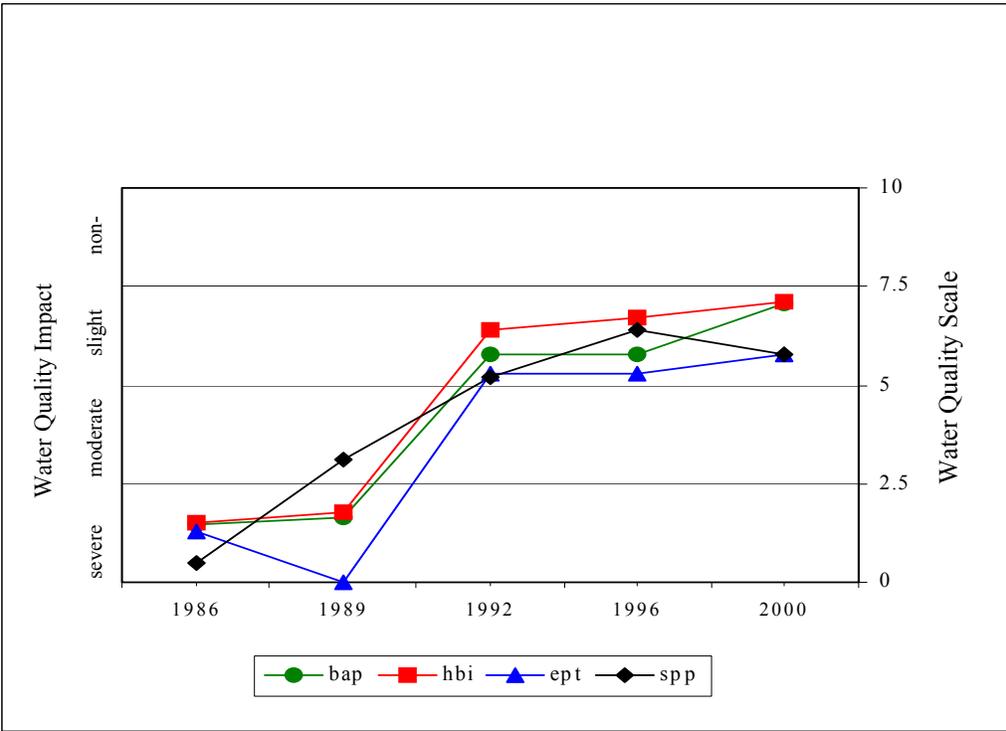


Figure 12-1. Water quality in Cayadutta Creek downstream of the Johnstown-Gloversville Wastewater Treatment Facility, 1986-2000. SPP= species richness, HBI= Hilsenhoff biotic index, EPT= richness of mayflies, stoneflies, and caddisflies, BAP= Biological Assessment Profile.

Cincinnati Creek

Most of Cincinnati Creek is assessed as slightly impacted by nonpoint source nutrient enrichment. Sites at Prospect and Barneveld were determined to be slightly impacted, based on macroinvertebrate sampling in 2000 and 2001, respectively. Sampling downstream at Mapledale in 2000 indicated non-impacted conditions, although some enrichment was still evident. All sites had ample mayflies, stoneflies, and caddisflies.

Cobleskill Creek

Most of Cobleskill Creek is assessed as slightly impacted. Sites at Richmondville and Warnerville were assessed as non-impacted in 1996 sampling. In the 1996 survey of six sites, slight impact was attributed to the discharges of the Richmondville (V) Sewage Treatment Plant and the Cobleskill (V) Water Pollution Control Plant. The macroinvertebrate sample from a site at Central Bridge in 2000 also yielded an assessment of slightly impacted, but the fauna was heavily dominated by mayflies, and no major water quality problems were indicated.

Cold Brook

Slightly impacted water quality was assessed for this tributary of East Canada Creek, based on 2000 macroinvertebrate sampling at Shedd Corners. The assessment was borderline non-impacted, and no major impacts were indicated. Nonpoint source nutrient enrichment likely was a stressor.

Cold Creek

Water quality of this West Canada Creek tributary is assessed as slightly impacted, based on macroinvertebrate sampling at Poland in 2000. Clean-water mayflies, stoneflies, and caddisflies were present, and no major water quality problems were indicated. No prior data were available for the stream.

Crane Creek

Based on 2000 macroinvertebrate sampling at Marcy, non-impacted water quality was indicated for this tributary of the Mohawk River. Mayflies, stoneflies, and caddisflies were well-represented. No prior data were available for the stream.

Crum Creek

Water quality of this tributary of the Mohawk River was assessed as non-impacted at Manheim Center, based on 2000 macroinvertebrate sampling. All indices were within the range of very good water quality. No prior data were available for the stream.

Danascara Creek

Non-impacted water quality was determined for this tributary of the Mohawk River, based on macroinvertebrate sampling at Tribes Hill in 2000. No prior data were available for the stream.

Deans Creek

Slightly impacted water quality was assessed for this tributary of Oriskany Creek, based on 2000 macroinvertebrate sampling at Westmoreland. Nonpoint nutrient enrichment was indicated as the likely source of impact. No prior data were available for the stream.

East Canada Creek

Water quality in East Canada Creek is currently assessed as non-impacted. Five sites from Oregon to East Creek were sampled for macroinvertebrates in 1996. Macroinvertebrate communities at Stratford and Ingham Mills differed from expected natural communities, but the impacts were considered to be minor. The assessment of slight impact at Stratford was upgraded to non-impacted after being determined to be anomalous, based on conflicting metrics, lack of any known discharges, and a high ISD similarity to natural communities. The Ingham Mills impact represents impoundment effects. The East Creek site (near Little Falls) was assessed as slightly impacted in 1995, but was assessed as non-impacted in 1996. Continued monitoring of this site is recommended.

East Kill

Non-impacted water quality was determined for this Schoharie Creek tributary, based on macroinvertebrate sampling at Jewett Center in 2000. The site was field-assessed, and the sample was not processed. No prior data were available for the stream.

Flat Creek

Non-impacted water quality was determined for this Mohawk River tributary, based on macroinvertebrate sampling at Sprakers in 2000. The site was field-assessed, and the sample was not processed. No prior data were available for the stream.

Fly Creek

Water quality was assessed as non-impacted for this Schoharie Creek tributary, based on macroinvertebrate sampling near Sloansville in 2000. The site was field-assessed, and the sample was not processed. No prior data were available for the stream.

Four Mile Creek

This stream is a tributary of West Canada Creek. Non-impacted water quality was determined for a site at Wilmurt Corners, based on macroinvertebrate sampling in 2000. The site was field-assessed, and the sample was not processed. No prior data were available for the stream.

Fox Creek

Improved water quality in Fox Creek at West Berne was documented in 2000, compared to a survey of the stream in 1992. The 1992 survey found high numbers of aquatic worms at this site, indicating probable organic wastes in the stream. A follow-up investigation by the Albany County Health Department in 1992 revealed raw sewage entering Fox Creek from several homes. These problems were subsequently corrected by the homeowners. The macroinvertebrate sampling in 2000 at West Berne showed the fauna to be dominated by clean-water mayflies, with only 1% aquatic worms. A downstream site at Schoharie was assessed as slightly impacted, based on macroinvertebrate sampling in 2000 and 2001. Nutrient enrichment and siltation are the likely stressors.

Fulmer Creek

Slight impact from nonpoint source nutrient enrichment was assessed for a Fulmer Creek site at Mohawk near the mouth, based on 2000 macroinvertebrate sampling. The fauna was dominated by midges and mayflies. Similar conditions were documented for this site in 1989.

Gooseberry Creek

Non-impacted water quality was assessed for Gooseberry Creek downstream of the NYC DEP Tannersville (V) Wastewater Treatment Facility discharge, based on 2000 macroinvertebrate sampling. The fauna included many mayflies, stoneflies, and caddisflies, similar to conditions documented for this site in 1989. The site downstream of the discharge had been assessed as moderately impacted in 1986, the impact attributed to chlorine toxicity during periods when the dechlorination process was not activated. The problem was subsequently addressed. The treatment facility received a major upgrade in 1996, and excellent downstream water quality has been maintained since.

Hale Creek

Non-impacted water quality is assessed for this stream, based on 2000 macroinvertebrate sampling in Johnstown just upstream of the confluence with Cayadutta Creek. Clean-water mayflies, stoneflies, and caddisflies were abundant. The sample was field-assessed, and was not processed.

Hall Creek

Water quality was assessed as non-impacted, based on macroinvertebrate sampling at Pleasant Avenue in Johnstown in 2000. This represents a possible improvement compared to 1989 conditions. However, the sample was not processed, and further monitoring is necessary.

Indian Kill

Water quality in the Indian Kill ranges from slightly impacted to moderately impacted, mostly due to nonpoint source nutrient enrichment. Six sites were sampled for macroinvertebrates in 2000, following an earlier survey by the Environmental Study Team of Schenectady. The discharge from the Mayfair Plaza had a negative impact on the stream, although downstream water quality was still within the range of slightly impacted. The South Branch of the Indian Kill exhibited combined effects of poor water quality and poor habitat. Nonpoint source runoff and septic inputs were likely stressors in this tributary.

Kecks Center Creek

Non-impacted water quality was assessed for this stream in Sammonsville, based on 2000 macroinvertebrate sampling. The sample was field-assessed, and was not laboratory-processed. No prior data were available for the stream.

Kenyon Brook

Water quality of this West Canada Creek tributary was assessed as non-impacted, based on macroinvertebrate sampling at Middleville in 2000. The sample was field-assessed, and was not laboratory-processed. No prior data were available for the stream.

Keyser Kill

Non-impacted water quality was assessed for this Schoharie Creek tributary, based on 2000 macroinvertebrate sampling at Breakabeen. Mayflies, stoneflies, and caddisflies were numerous, and the fauna was well-balanced. No prior data were available for the stream.

Lansing Kill

This tributary of the Mohawk River was sampled at Hillside in 2000. Based on field examination of the kick sample, water quality was assessed as non-impacted. The macroinvertebrate fauna included many clean-water mayflies, stoneflies, and caddisflies, including the giant stonefly *Pteronarcys*.

Little Schoharie Creek

Water quality was assessed as non-impacted, based on macroinvertebrate sampling at Middleburgh in 2000. The sample was field-assessed, and was not processed. No prior data were available for the stream.

Lisha Kill

Water quality in the Lisha Kill is assessed as slightly impacted at all sites. Four sites from Colonie to Niskayuna were sampled in 1996, and additional sampling at Niskayuna was conducted in 2000, 2001, and 2002. Nonpoint nutrient enrichment is the likely cause of impact.

Maltanner Creek

Water quality was assessed as non-impacted for this West Canada Creek tributary, based on macroinvertebrate sampling at Middleville in 2000. The sample was field-assessed, and was not processed. No prior data were available for the stream.

Manor Kill

Non-impacted water quality was assessed for this tributary of Schoharie Creek, based on 2000 macroinvertebrate sampling at West Conesville. Mayflies, stoneflies, and caddisflies were numerous, and the fauna was well-balanced. No prior data were available for the stream.

Matthew Creek

Water quality was assessed as non-impacted, based on macroinvertebrate sampling at O'Neil Avenue in Johnstown in 2000. Clean-water mayflies, stoneflies, and caddisflies were numerous. This represents an apparent improvement compared to slight impact documented for the stream in 1989 and 1995. However, the 2000 sample was not laboratory-processed, and further monitoring is necessary to verify this possible trend.

Middle Sprite Creek

Non-impacted water quality was assessed for this tributary of East Canada Creek, based on 2000 macroinvertebrate sampling at Dolgeville. Mayflies, stoneflies, and caddisflies were numerous, and the fauna was well-balanced. No prior data were available for the stream.

Mill Creek

Water quality was assessed as non-impacted for this tributary of West Canada Creek, based on macroinvertebrate sampling at Gravesville in 2000. The sample was field-assessed, and was not processed. No prior data were available for the stream.

Mine Kill

Non-impacted water quality was assessed for a site at North Blenheim, based on 2000 macroinvertebrate sampling. Mayflies, stoneflies, and caddisflies were numerous, and the fauna was well-balanced. No prior data were available for the stream.

Mohawk River

Macroinvertebrate sampling was conducted at Northwestern in 2000 and 2001. In the 2000 sampling, the sample was field-assessed as non-impacted, and was not laboratory-processed. The 2001 sample was processed, and yielded an assessment of slight impact, likely from nonpoint nutrient enrichment. This represents an apparent decline from non-impacted conditions documented in 1989, 1990, and 1995. Continued monitoring is recommended to verify this trend.

Slightly impacted water quality was assessed for the Mohawk River at Rome, based on 2000 kick sampling and multiplate sampling. Metric values were similar to those obtained from this site in 1990. Non-impacted conditions were documented for this site in 1995, but were based on only one successful multiplate retrieval.

Water quality in the Mohawk River downstream of Rome (sampled at Chaminade Road, Oriskany) was assessed as moderately impacted, representing a decline compared to 1989 water quality, based on multiplate sampling in 2000. Current water quality is similar to that assessed in 1978 and 1986. (Figure 12-2)

Water quality downstream of the Utica municipal and industrial discharges is still considered moderately impacted. Combined sewer overflows (CSOs) remain a problem. Both kick sampling and multiplate sampling were conducted at the West Schuyler site in 2000. Kick sample results indicated moderate impact from municipal and/or industrial discharges.

Multiplate sampling produced mixed results, with the final assessment showing slight impact, bordering on moderate impact. Combining both samplings, overall water quality is rated as moderately impacted, but showing indications toward improvement. Zebra mussels collected from this site in 2001 carried very high levels of PCBs and PAHs.

Slight impact was documented for the Mohawk River at Little Falls, based on 2000 multiplate sampling. This site was similarly assessed as slightly impacted in

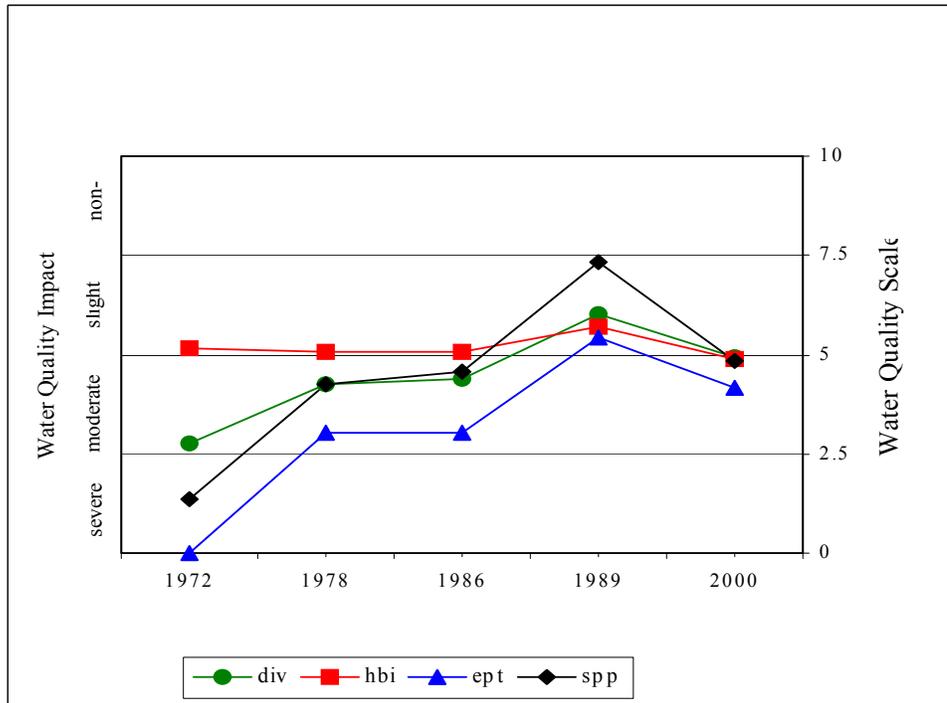


Figure 12-2. Water quality in the Mohawk River below Rome, 1972-2000. All indices are shown. SPP= species richness, HBI= Hilsenhoff biotic index, EPT= richness of mayflies, stoneflies, and caddisflies, PMA- Percent Model Affinity.

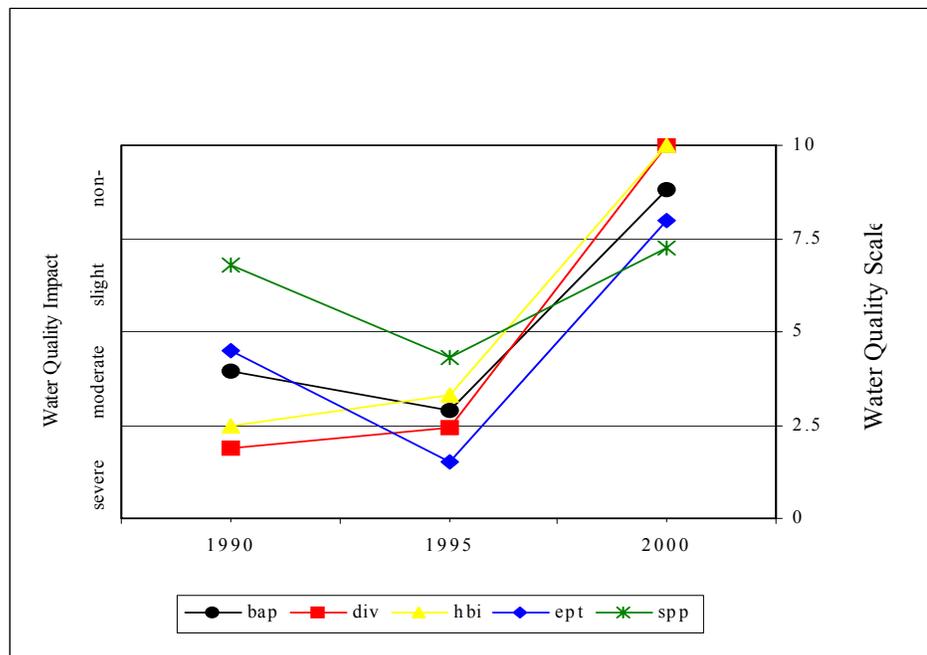


Figure 12-3. Water quality in the Mohawk River at Fonda, 1990-2000, showing all indices. SPP= species richness, HBI= Hilsenhoff biotic index, EPT= richness of mayflies, stoneflies, and caddisflies, PMA- Percent Model Affinity, BAP= Biological Assessment Profile value.

1990 and 1995.

Water quality at Fonda was assessed as non-impacted, based on 2000 multiplate sampling. This represents a substantial improvement, compared to moderately impacted conditions at this site documented in 1990 and 1995 (Figure 12-3). Multiplate samples that were dominated by sewage-tolerant worms in 1990 and 1995 were dominated by midges and mayflies in 2000. One possible reason for improvement is greatly improved water quality in Cayadutta Creek, which joins the Mohawk River upstream of the Fonda sampling site, following the major 1991 upgrade of the Gloversville-Johnstown Wastewater Treatment Facility.

At Waterford, water quality was assessed as slightly impacted, based on 2000 multiplate sampling. Water quality at this site was also assessed as slightly impacted in 1990. Current conditions reflect continuing improvement within the category, as exhibited by the EPT index (Figure 12-4)).

Both the East Branch and West Branch of the Mohawk River were assessed as non-impacted. Sites were sampled at Ava and West Branch in 2000, were field-assessed as non-impacted, and the samples were not processed. No prior data were available for these sites.

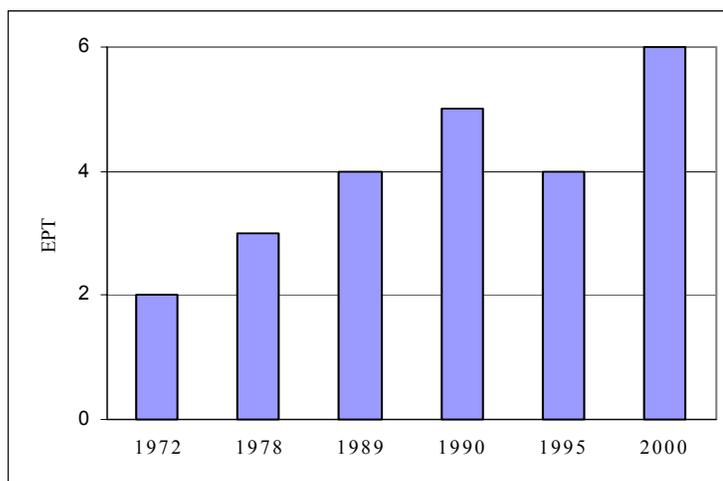


Figure 12-4. EPT trends (sensitive mayflies, stoneflies, and caddisflies) in the Mohawk River at Waterford, 1972-2000.

Moyer Creek

Water quality was assessed as non-impacted for this Mohawk River tributary, based on macroinvertebrate sampling at Frankfort in 2000. The sample was field-assessed, and was not processed. No prior data were available for the stream.

Mud Creek

Based on 2000 macroinvertebrate sampling at Whitesboro, water quality was assessed as slightly impacted for this tributary of Sauquoit Creek. Nonpoint source nutrient enrichment is the likely source of impact. The site was previously assessed as slightly impacted in 1995, and as non-impacted in 1996.

Nail Creek

Current water quality of Nail Creek in Utica is assessed as moderately impacted, based on sampling in 2001, with the fauna consisting mostly of pollution-tolerant worms and midges. The site was assessed as severely impacted in 2000. Impact Source Determination denoted municipal and/or industrial discharges as the likely source of impact. A strong sewage smell was noted at the site. This stream travels underground for a large distance upstream of the sampling site, and combined sewer overflows are discharged into it.

Ninemile Creek

Current water quality of Ninemile Creek is assessed as non-impacted. The site at Marcy was sampled in 2000 and 2001. The 2001 sampling resulted in an assessment of non-impacted, although nutrient enrichment was indicated to be present. The 2000 sampling indicated slightly impacted water quality, from nonpoint source nutrient enrichment. Water quality in 1990 was determined to be non-impacted.

North Chuctanunda Creek

Water quality is assessed as slightly impacted for this stream, based on macroinvertebrate sampling at Amsterdam in 1996. The site sampled at the Route 5 bridge in Amsterdam showed pronounced effects of urban runoff, while the upstream site reflected minor nonpoint source nutrient enrichment. The stream was more recently sampled in 2000 at Willow Street in Amsterdam. The sample was field-assessed as non-impacted, but was not processed, and is therefore considered less definitive than the numerical results from 1996.

North Creek

Non-impacted water quality was assessed for this tributary of West Canada Creek, based on 2000 macroinvertebrate sampling at Kast Bridge. The fauna was equally dominated by mayflies, caddisflies, and midges. Minor nutrient enrichment was evident, but indices were within the range of non-impact.

Nowadaga Creek

Based on 2000 macroinvertebrate sampling at Indian Castle, water quality was assessed as slightly impacted. No sources were indicated by the fauna, although diatoms and other algae at the site pointed to nutrient enrichment.

Oriskany Creek

Current water quality in Oriskany Creek ranges from non-impacted to slightly impacted. Upstream water quality at Oriskany Falls was assessed as non-impacted in 2000 sampling, representing possible improvement compared to 1990, although this should be verified by further sampling. Water quality at Colemans Mills was assessed as slightly impacted, by nonpoint nutrient enrichment and siltation, in 2000, representing a possible decline, although this also should be verified by further sampling. Sampling in 2001 at Oriskany resulted in an assessment of slightly impacted, by nonpoint nutrient enrichment.

Otsquago Creek

Water quality was assessed as non-impacted at Fort Plain, based on macroinvertebrate sampling in 2001. Non-impacted water quality was also assessed at Valley Brook in 2000, although this assessment was based on a field assessment. The Valley Brook site was previously assessed as slightly impacted in 1996. Nonpoint source nutrient enrichment continues to be a concern in the stream.

Otsquene Creek

Water quality was assessed as non-impacted for this tributary of Otsquago Creek, based on macroinvertebrate sampling at Valley Brook in 2000. The sample was field-assessed, and was not

processed. No prior data were available for the stream.

Panther Creek

This tributary of Schoharie Creek is assessed as non-impacted, based on macroinvertebrate sampling north of Breakabeen in 2000. The sample was field-assessed, and was not processed. No prior data were available for the stream.

Peck Creek

Non-impacted water quality was assessed for this tributary of Caroga Creek in macroinvertebrate sampling at North Bush in 2000. The sample was field-assessed, and was not processed. No prior data were available for the stream.

Platter Kill

Water quality at Gilboa was assessed as slightly impacted, based on 2000 macroinvertebrate sampling. Although mayflies, stoneflies, and caddisflies were present, the number of individuals was very low, insufficient to obtain a 100-organism subsample. The stream water at this site was very turbid, and this may have been responsible for the very low macroinvertebrate biomass.

Poentic Kill

Current water quality in the Poentic Kill remains slightly to moderately impacted. A 2002 study by Jessica Bennett in cooperation with the Stream Biomonitoring Unit sampled 4 Poentic Kill sites for macroinvertebrates, repeating a 1989 study. Mayflies, stoneflies, and caddisflies were present, but species richness was low, similar to the 1989 results. ISD showed possible influences of organic wastes and nutrient enrichment.

Reall Creek

Water quality of this stream in Deerfield is assessed as slightly impacted, based on macroinvertebrate sampling in 2000 and 2001. The fauna was diverse, but dominated by facultative midges. ISD indicated possible effects of organic wastes, although no sources are known. Clean-water mayflies, stoneflies, and caddisflies were found at this site. Caddisflies analyzed in 2001 contained the PAH chrysene at amounts exceeding the level of concern.

Salt Spring Brook

Water quality was assessed as non-impacted for this tributary of Canajoharie Creek, based on macroinvertebrate sampling in 1995. Some metrics indicated slight impact, but these were considered to be caused by headwater effect, and a correction factor was applied. Clean-water organisms were numerous in the sample.

Sauquoit Creek

Slightly impacted water quality was assessed for all sites on Sauquoit Creek from Clayville to Whitesboro in 1995; the Greens Crossing site was assessed as non-impacted. Sampling at Whitesboro in 2000 confirmed the assessment of slight impact. Nonpoint nutrient enrichment is the likely source of impact. Very high levels of PCBs (57 µg/g, compared to the level of concern of 0.2 µg/g) were documented in crayfish from the stream in Chadwicks in 2000.

Schoharie Creek

Current water quality in Schoharie Creek is considered non-impacted. Non-impacted water quality was documented at 5 sites from below Tannersville to below Hunter in replicated macroinvertebrate sampling in 1995. The site below Hunter was sampled for macroinvertebrates again in 1999, and was assessed as slightly impacted, but was re-sampled in 2000, and was field-assessed as non-impacted. Continued monitoring is recommended for this site.

Water quality from Burtonsville to Fort Hunter is considered non-impacted, based on macroinvertebrate sampling in 2000 and 2001. The fauna included many species of clean-water mayflies and caddisflies.

Shakers Creek

Slightly impacted water quality was assessed for Shakers Creek in Latham, based on 2000 macroinvertebrate sampling. Impact Source Determination pointed to municipal/industrial sources, with a likely toxic element. Sampling of this stream in 1996 documented elevated levels of PAHs, and suggested airport runoff as the probable source of impact. The portion of the stream directly below the airport was assessed as moderately impacted by complex stressors. The reach upstream of the airport was assessed as moderately impacted, but this was determined to be due to impoundment effect from Ann Lee Pond.

Sixmile Creek

Water quality was assessed as slightly impacted, based on macroinvertebrate sampling at Rome in 1995, 1996, and 2000. Impact Source Determination indicated nonpoint source nutrient enrichment and siltation, although clean-water mayflies, stoneflies, and caddisflies were present. No data prior to 1995 were available for determining water quality trends for the stream.

South Chuctanunda Creek

Water quality was assessed as non-impacted in South Amsterdam, based on 2000 macroinvertebrate sampling. The fauna was dominated by clean-water mayflies and caddisflies. This represents an apparent improvement compared to slightly impacted conditions documented in 1990 and 1995. Further monitoring of the stream is recommended to determine if this trend is genuine.

Spruce Creek

Water quality is assessed as non-impacted for this tributary of East Canada Creek, based on macroinvertebrate sampling at Shedd Corners in 2000. The sample was field-assessed, and not processed further. No prior data were available for the stream.

Starch Factory Creek

Water quality is assessed as slightly impacted for this stream. Macroinvertebrate sampling was conducted in 2000 and 2001. Sampling in 2001 in Proctor Park resulted in an assessment of slightly impacted due to toxic effects from unknown sources. Sampling in 2000 below Broad Street resulted in an initial assessment of non-impacted, later corrected to slightly impacted. Although stoneflies and mayflies were present, the fauna was heavily dominated by midges, and their diversity inflated the richness metric. High siltation and embeddedness were noted in the stream, and likely affect the fauna, and Combined Sewer Overflows (CSOs) may also be a factor.

Steele Creek

Water quality is assessed as non-impacted, based on macroinvertebrate sampling at Ilion in 2000. The sample was field-assessed, and not processed further. No prior data were available for the stream.

Steuben Creek

Slightly impacted water quality was assessed for Steuben Creek based on 2000 sampling at a site upstream of Barneveld. Nonpoint nutrient enrichment was indicated as the source of impact. The creek was similarly assessed in 1990. A site below Barneveld was assessed as non-impacted in 2000 sampling.

Stony Creek

Slightly impacted water quality was assessed for a site at Vischer Ferry, based on 2000 macroinvertebrate sampling. Nonpoint nutrient enrichment was the likely source of impact. No prior data were available for the stream.

Switz Kill

Water quality in Berne was assessed as non-impacted, based on 2000 macroinvertebrate sampling. Clean-water mayflies, stoneflies, and caddisflies were well-represented. The creek was similarly assessed in 1992.

Three Mile Creek

Based on 2000 macroinvertebrate sampling in Rome, water quality was assessed as slightly impacted. Impact Source Determination indicated municipal/industrial inputs and impoundment effects as the causes of impact. Griffiss Air Force Base, although closed in 1995, remains is a possible contributor to water quality impacts.

Timmerman Creek

Water quality at St. Johnsville was assessed as non-impacted, based on 2000 macroinvertebrate sampling. A diverse fauna was present, with many mayflies, stoneflies, and caddisflies. No prior data were available for the stream.

Trammel Creek

Water quality is assessed as non-impacted for this tributary of East Canada Creek, based on macroinvertebrate sampling at Stratford in 2000. The sample was field-assessed, and not processed further. No prior data were available for the stream.

Van Deusen Brook

Two sites on this small tributary of Canajoharie Creek were sampled for macroinvertebrates in 1995. The upstream site was assessed as slightly impacted by nonpoint source nutrient enrichment. The downstream site, below the confluence of another tributary, was assessed as non-impacted. Both sites had mayflies, stoneflies, and caddisflies, but were dominated by algal-feeding riffle beetles, which are often abundant in stream reaches with elevated nutrient levels.

West Canada Creek

Non-impacted water quality is assessed for all sites on West Canada Creek. Sites above Hinkley Reservoir and at Poland were field-assessed as non-impacted in the 2000 sampling. Sampling in Kast Bridge in 2001 yielded an assessment of non-impacted, based on a laboratory-processed sample. The stream was previously assessed as non-impacted in 1989, 1990, and 1995. A site on the South Branch of West Canada Creek east of Morehouseville was field-assessed as non-impacted in 2000.

West Creek

Slightly impacted water quality was assessed for this tributary of Cobleskill Creek, based on 2000 macroinvertebrate sampling in Warnerville. Impact Source Determination denoted nonpoint nutrient enrichment as the likely source of impact. This site had been assessed as non-impacted in 1996, although abundant filamentous algae, noted in 1996, indicated the presence of enriched conditions at that time as well.

West Kill

Water quality is assessed as non-impacted for this tributary of Schoharie Creek, based on macroinvertebrate sampling in the village of West Kill in 2000. The sample was field-assessed, and not processed further. No prior data were available for the stream.

White Creek

Non-impacted water quality is assessed for this tributary of West Canada Creek, based on macroinvertebrate sampling below Newport in 2000. The sample was field-assessed, and not processed further. No prior data were available for the stream.

Wolf Hollow Creek

Water quality is assessed as non-impacted for this small tributary of West Canada Creek, based on 2000 macroinvertebrate sampling in Welch Corners. Water quality was initially assessed as slightly impacted, but this assessment was upgraded to non-impacted, due to the headwater nature of the stream. The fauna was dominated by intolerant taxa, but diversity was low, as is typical of headwater streams (see Appendix section on headwater streams). No water quality problems were indicated for this stream.

Yatesville Creek

Non-impacted water quality is assessed for this Mohawk River tributary, based on macroinvertebrate sampling at Randall in 2000. The sample was field-assessed, and not processed further. No prior data were available for the stream.

Zimmerman Creek

Water quality is assessed as non-impacted for this Mohawk River tributary, based on macroinvertebrate sampling near St. Johnsville in 2000. The sample was field-assessed, and not processed further. No prior data were available for the stream.

Unnamed tributary to Canajoharie Creek

This small stream in Buel, sometimes referred to as “Tri-County Creek”, was sampled in 1995, and was assessed as non-impacted. The metrics reflected the headwater condition, and the correction factor was applied, resulting in the non-impacted assessment. Mayflies, stoneflies, and caddisflies were well-represented in the sample, and no impairments were indicated.



Figure 12-5. Sampling the Lisha Kill at Niskayuna, October 18, 2002, the 30th anniversary of the Clean Water Act, designated as National Monitoring Day.