

SURFACE-WATER STATIONS, IN DOWNSTREAM ORDER, FOR WHICH
RECORDS ARE AVAILABLE FOR THE 2005 WATER YEAR ANNUAL DATA REPORT

[Letter after station name designates type of data: (b) biological, (c) chemical, (cs) crest-stage gage, (d) discharge, (e) elevation, (mm) miscellaneous measurement site, (n) nutrient, (p) pesticide, (s) sediment, (t) water temperature, (v) contents]

	Station number	Page
Upper Susquehanna Watershed		
Little Elk Creek near Westford (cs).....	01497805	1
East Sidney Lake at East Sidney (e,v).....	01499500	2
Ouleout Creek at East Sidney (d).....	01500000	4
Susquehanna River at Unadilla (cs).....	01500500	7
Unadilla River at Rockdale (d).....	01502500	8
Susquehanna River at Bainbridge (cs).....	01502632	11
Susquehanna River at Windsor (cs).....	01502731	12
Susquehanna River at Conklin (d).....	01503000	13
Chenango Watershed		
Chenango River at Eaton (cs).....	01503980	16
Chenango River at Sherburne (d).....	01505000	17
Chenango River at Greene (cs).....	01507000	20
Tioughnioga River at Cortland (d).....	01509000	21
Tioughnioga River at Lisle (cs).....	01509520	24
Otselic River at Cincinnatus (d).....	01510000	25
Merrill Creek Tributary near Texas Valley (cs).....	01510610	28
Whitney Point Lake at Whitney Point (e,v).....	01511000	29
Tioughnioga River at Itaska (cs).....	01511500	31
Chenango River near Chenango Forks (d).....	01512500	32
Susquehanna River at Vestal (cs).....	01513500	35
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Susquehanna River at Owego (cs).....	01513831	36
Owego Creek near Owego (cs).....	01514000	37
Catatonk Creek near Owego (cs).....	01514801	38
Susquehanna River near Waverly (d).....	01515000	39
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Canisteo River at Arkport (d).....	01521500	43
Big Creek near Howard (cs).....	01521596	46
Almond Lake near Almond (e,v).....	01523000	47
Canacadea Creek near Hornell (d).....	01523500	49
Canacadea Creek at Alfred (cs).....	01522075	52
Canisteo River below Canacadea Creek, at Hornell.....	01524500	53
Canisteo River at West Cameron (cs).....	01525500	56
Tuscarora Creek above South Addison (d).....	01525981	57
Tioga River near Erwins (d).....	01526500	60
Chemung Watershed		
Cohocton River at Avoca (d).....	01527500	63
Cohocton River at Bath (cs).....	01528320	66
Cohocton River near Campbell (d).....	01529500	67
Chemung River at Corning (d).....	01529950	70
Cuthrie Run near Big Flats (cs).....	01530301	73
Chemung River at Elmira (cs).....	01530332	74
Newtown Creek at Elmira (d).....	01530500	75
Chemung River at Chemung (d).....	01531000	78
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Ischua Creek Tributary near Machias (cs).....	03010734	81
Allegheny River at Salamanca (d).....	03011020	82
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Ball Creek at Stow (cs).....	03013800	85
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Chadakoin River at Falconer (d).....	03014500	89
Chautauqua – Conneaut Watershed		
Canadaway Creek at Fredonia (cs).....	04213376	92
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Cattaraugus Creek at Gowanda (d).....	04213500	93

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Cayuga Creek near Lancaster (d)	04215000	99
Cazenovia Creek at Ebenezer (d)	04215500	102
Lake Erie Watershed		
Lake Erie at Buffalo, NY (e)	04215900	105
Niagara Watershed		
Niagara River at Buffalo (d)	04216000	108
Black Rock Canal at Black Rock Lock, Buffalo (e)	04216218	111
Niagara River at Black Rock Lock, Buffalo (e)	04216220	114
Tonawanda Creek at Attica (cs)	04216418	117
Little Tonawanda Creek at Linden (cs)	04216500	118
Tonawanda Creek at Batavia (d)	04217000	119
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Ellicott Creek below Williamsville (d)	04218518	125
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Erie (Barge) Canal at Lock 30, Macedon (d)	04219000	128
Oak Orchard – Twelvemile Watershed		
Eighteenmile Creek at Newfane (cs)	04219767	130
West Creek near Hilton (d)	04220250	131
Northrup Creek at North Greece (d,c,n,t)	0422026250	135
Upper Genesee Watershed		
Genesee River at Wellsville (d)	04221000	143
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Canaseraga Creek above Dansville (d)	04224775	152
Stony Brook Tributary at South Dansville (cs)	04224807	155
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Genesee River near Mount Morris (d)	04227500	159
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Genesee River at Avon (d)	04228500	168
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Oatka Creek at Warsaw (d)	04230380	175
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Genesee River at Ballantyne Bridge, near Mortimer (e)	04230650	182
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Allen Creek near Rochester (d,c,n,t)	04232050	199
Irondequoit Creek above Blossom Road, Rochester (d,c,n,t)	0423205010	207
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Keuka Lake Outlet at Dresden (d)	04232482	227
Kendig Creek near MacDougall (cs)	04232630	230
Cayuga Inlet near Ithaca (d)	04233000	231
Cayuga Inlet at Ithaca (cs)	04233255	234
Sixmile Creek at Brooktondale (d,c,n,s)	04233286	235
Sixmile Creek at Bethel Grove (d,s)	04233300	242
Cayuga Inlet (Cayuga Lake) at Ithaca (e)	04233500	248
Fall Creek near Ithaca (d)	04234000	251
Trumansburg Creek near Trumansburg (cs)	0423403092	254
Schaeffer Creek near Canandaigua (cs)	04234138	255
Mud Creek at East Victor (cs)	04234200	256
Canandaigua Lake at Canandaigua (e)	04234500	257
Canandaigua Outlet at Chapin (d)	04235000	260
Flint Creek at Phelps (d)	04235250	263

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Seneca Watershed--continued		
Canandaigua Outlet Tributary near Alloway (cs)	04235255	266
Owasco Lake near Auburn (e)	04235396	267
Owasco Outlet at Genesee Street, Auburn (d).....	04235440	270
Seneca River near Port Byron (d)	04235600	273
Seneca River, Mouth at State Ditch, near Jordan (e).....	04237411	276
Seneca River at Baldwinsville (d)	04237500	279
Seneca River (Upstream of Onondaga Outlet) near Liverpool (d).....	04237555	282
Onondaga Creek Trib. No. 6 below Main Mudboil Depression Area at Tully (d,s)..	04237946	286
Onondaga Creek near Cardiff (d)	04237962	292
Onondaga Creek at Dorwin Avenue, Syracuse (d).....	04239000	295
Onondaga Creek at Spencer Street, Syracuse (d).....	04240010	298
Harbor Brook at Syracuse (d).....	04240100	301
Harbor Brook at Hiawatha Boulevard, Syracuse (d).....	04240105	304
Ley Creek at Park Street, Syracuse (d).....	04240120	307
Ninemile Creek near Marietta (d)	04240180	310
Ninemile Creek at Lakeland (d).....	04240300	313
Onondaga Lake at Liverpool (e).....	04240495	316
Onondaga Lake Outlet near Liverpool (d).....	04240503	319
Seneca River (Downstream of Onondaga Outlet) near Liverpool (d)	04240508	323
Oneida Watershed		
Oneida Creek at Oneida (d)	04243500	327
Butternut Creek near Jamesville (cs)	04245200	330
Meadow Brook at Hurlburt Road, Syracuse (d).....	04245236	331
Scriba Creek near Constantia (cs)	04245840	334
Oneida Lake at Brewerton (e)	04246000	335
Oneida River near Euclid (d)	04247000	338
Oswego Watershed		
Oswego River at Lock 7, Oswego (d).....	04249000	341
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GROUND-WATER WELLS, BY COUNTY, FOR WHICH RECORDS ARE AVAILABLE
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Allegany County		
Local well number Ag 261	421512077472801	349
Local well number Ag 262	421544078021301	352
Broome County		
Local well number Bm 128	421138075511301	355
Local well number Bm 129	421157075535401	358
Cattaraugus County		
Local well number Ct 121	420530078445201	361
Cayuga County		
Local well number Cy 7	424158076251901	364
Local well number Cy 223	425448076350002	367
Chautauqua County		
Local well number Cu 10	420815079121401	370
Chemung County		
Local well number Cm 622	420828076484601	373
Chenango County		
Local well number Cn 12	421556075281602	376
Cortland County		
Local well number C 998	424452076081902	379
Erie County		
Local well number E 1196	425704078360601	382
Genesee County		
Local well number Gs 190	425913078085501	385
Livingston County		
Local well number Lv 330	425833077503901	388
Madison County		
Local well number M 178	430056075354102	391
Monroe County		
Local well number Mo 11	430252077283402	394
Niagara County		
Local well number Ni 70	431308078544501	397
Local well number Ni 869	430739078502701	400
Onondaga County		
Local well number Od 1825	430243076180401	403
Local well number Od 1833	430243076180402	406
Ontario County		
Local well number Ot 900	425840077133901	409
Local well number Ot 1133	425803077151201	410
Orleans County		
Local well number OI 20	431045078160401	413
Oswego County		
Local well number Ow 5013	432148076225101	416
Local well number Ow 5014	432148076225102	419
Otsego County		
Local well number Og 23	424136075025101	422
Schuyler County		
Local well number Sy 706	422710076462901	425
Seneca County		
Local well number Se 532	424347076530201	428
Local well number Se 533	424347076530202	431
Steuben County		
Local well number Sb 472	422445077203301	434
Tioga County		
Local well number Ti 891	421213076313301	437
Tompkins County		
Local well number Tmi 985	422920076275301	440
Local well number Tmi 1968	422323076190301	443
Wayne County		
Local well number Wn 592	430403077190201	446

GROUND-WATER WELLS, BY COUNTY, FOR WHICH RECORDS ARE AVAILABLE
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Wyoming County		
Local well number Wo 4	423743078070802	449
Yates County		
Local well number Ya 180	423143076582601	452



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01497805 LITTLE ELK CREEK NEAR WESTFORD, NY

Upper Susquehanna Watershed

LOCATION.--Lat 42°38'01", long 74°47'45" referenced to North American Datum of 1927, Otsego County, Hydrologic Unit 02050101, at culvert on Greenbush Road, 1.2 mi south of Westford, and 2.2 mi upstream from mouth.

DRAINAGE AREA.--3.73 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Annual maximum only--1978 to current year.

GAGE.--Crest-stage partial-record station. Elevation of gage is 1,520 ft above NGVD of 1929, from topographic map.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 278 ft³/s, Jan. 19, 1996, gage height, 19.92 ft.

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft ³ /s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 3, 2005	166	---	17.32	---

01499500 EAST SIDNEY LAKE AT EAST SIDNEY, NY

Upper Susquehanna Watershed

LOCATION.--Lat 42°19'40", long 75°13'42" referenced to North American Datum of 1927, Delaware County, Hydrologic Unit 02050101, at East Sidney Dam, on Ouleout Creek, 0.3 mi upstream from bridge on County Highway 44 at East Sidney, 4.4 upstream from mouth, and 4.5 mi east of Unadilla.

DRAINAGE AREA.--103 mi².

WATER-STAGE RECORDS

PERIOD OF RECORD.--November 1949 to September 1952 (monthend elevations and contents), October 1952 to September 1985 (mean daily elevations and monthend contents), October 1986 to current year (monthend elevations and contents). Prior to October 1970, published as "East Sidney Reservoir at East Sidney".

REVISED RECORDS.--WSP 2103: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929. Prior to Oct. 1, 1979, at datum 0.05 ft lower.

COOPERATION.--Capacity table furnished by Corps of Engineers.

REMARKS.--Lake is formed by concrete dam and rockfill dike, completed by Corps of Engineers in June 1950; regulation of outflow began in November 1949; first used for flood regulation on Mar. 28, 1950. Usable capacity, 33,550 acre-ft between elevations 1,115.0 ft (sill of conduits) and 1,203.0 ft (crest of spillway). Dead storage 56 acre-ft. Discharge is controlled by the operation of five gates. Water is stored during high flows and released when downstream conditions warrant. Lake is used for flood control and recreation. Telephone and satellite gage-height and precipitation telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 25,690 acre-ft, Apr. 3, 1993, elevation, 1,195.10 ft; minimum 56 acre-ft, Aug. 31, 1953, Sept. 7-26, Nov. 4, 1964, elevation, 1,115.0 ft..

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum contents, 14,534 acre-ft, Sept. 19, elevation, 1,179.87 ft; minimum, 1,522 acre-ft, Dec. 17, elevation, 1,139.12.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 23,364 acre-feet, Apr. 5, elevation, 1,192.45 ft; minimum, 1,534 acre-feet, Jan. 11, elevation, 1,139.22 ft.

01499500 EAST SIDNEY LAKE AT EAST SIDNEY, NY—Continued**MONTH-END ELEVATION AND CONTENTS****WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Elevation (feet)	Contents (million ft³)	Change in contents (equivalent in ft³/s)
Sept. 30	1,150.11	3,304	
Oct. 31	1,150.02	3,285	-0.3
Nov. 30	1,151.20	3,536	+4.2
Dec. 31	1,139.77	1,602	-31.5
CAL YR 2004	--	--	-0.2
Jan. 31	1,140.62	1,711	+1.8
Feb. 28	1,140.49	1,694	-0.3
Mar. 31	1,172.86	10,893	+150
Apr. 30	1,150.61	3,410	-126
May 31	1,150.64	3,416	+0.1
June 30	1,151.19	3,534	+2.0
July 31	1,150.62	3,412	-2.0
Aug. 31	1,150.26	3,336	-1.2
Sept. 30	1,150.12	3,306	-0.5
WTR YR 2005	--	--	0.0

01500000 OULEOUT CREEK AT EAST SIDNEY, NY

Upper Susquehanna Watershed

LOCATION.--Lat 42°20'00", long 75°14'07" referenced to North American Datum of 1927, Delaware County, Hydrologic Unit 02050101, on right bank 0.2 mi downstream from bridge on County Highway 44, 0.4 mi downstream from East Sidney Dam, at East Sidney, and 3.5 mi upstream from mouth.

DRAINAGE AREA.--103 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1940 to current year.

REVISED RECORDS.--WSP 2103: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,086.23 ft above NGVD of 1929. Prior to June 13, 1947, water-stage recorder at site 0.5 mi upstream at datum 27.30 ft higher.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Since November 1949, flow regulated by East Sidney Lake (see station 01499500). Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, prior to construction of East Sidney Reservoir in 1950, 7,250 ft³/s, Dec. 30, 1942, gage height, 7.62 ft, site and datum then in use; minimum daily discharge, 1.2 cfs, gage height, 0.32 ft, Aug. 13, 14, 17, 1949, result of construction, minimum instantaneous discharge not determined. Maximum discharge, since construction of East Sidney Reservoir in 1950, 4,000 ft³/s, Apr. 7, 1960, gage height, 6.19 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 16,700 ft³/s, in July 1935, was determined by computation of flow over dam and from floodmarks.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,100 ft³/s, Apr 9, gage height, 4.78 ft; minimum discharge, 8.9 ft³/s, Sep 12, 13, 14, 15, 16, gage height, 1.04 ft.

01500000 OULEOUT CREEK AT EAST SIDNEY, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	166	88	745	183	107	138	1,480	241	34	49	26	36
2	166	89	927	173	85	122	900	209	34	48	26	32
3	167	81	708	e200	78	95	17	190	34	48	26	16
4	165	76	471	364	77	96	16	166	34	33	26	9.4
5	138	92	460	371	66	88	746	132	34	17	15	9.4
6	82	100	445	334	61	82	1,990	105	52	13	12	9.4
7	65	100	386	381	75	94	1,930	99	38	449	12	9.4
8	65	101	428	300	93	232	1,880	99	24	802	11	9.4
9	66	100	359	316	106	169	1,960	85	24	448	11	9.4
10	67	100	392	289	410	108	1,950	73	24	220	11	9.4
11	75	100	739	237	412	129	1,810	73	24	144	11	9.4
12	80	101	655	226	286	154	1,390	73	24	85	11	9.4
13	80	100	534	722	260	161	617	59	24	93	11	8.9
14	79	83	383	52	184	123	281	53	37	102	11	9.0
15	80	74	297	373	410	107	225	69	40	e102	11	9.1
16	81	74	280	1,560	588	101	205	76	45	102	11	9.4
17	80	74	219	1,700	552	92	167	76	65	102	11	9.5
18	70	74	201	870	397	93	152	45	73	64	11	9.4
19	99	74	202	261	251	94	148	34	62	52	11	9.4
20	140	69	144	294	228	105	109	34	52	40	11	9.8
21	140	65	83	259	252	111	84	34	30	36	11	10
22	162	65	138	178	259	147	85	54	23	36	11	10
23	171	65	242	163	206	184	86	65	23	35	11	10
24	171	66	629	161	118	192	91	64	24	28	11	10
25	169	138	573	178	116	189	96	64	24	15	11	10
26	168	231	355	186	139	160	99	64	24	14	11	10
27	147	254	268	e160	139	133	101	63	24	17	11	10
28	108	418	174	e140	139	302	103	63	24	30	11	10
29	102	689	209	73	---	15	151	63	15	27	11	11
30	93	757	245	91	---	15	217	41	31	23	12	11
31	89	---	214	118	---	773	---	33	---	25	12	---
Total	3,531	4,498	12,105	10,913	6,094	4,604	19,086	2,599	1,020	3,299	409	345.1
Mean	114	150	390	352	218	149	636	83.8	34.0	106	13.2	11.5
Max	171	757	927	1,700	588	773	1,990	241	73	802	26	36
Min	65	65	83	52	61	15	16	33	15	13	11	8.9

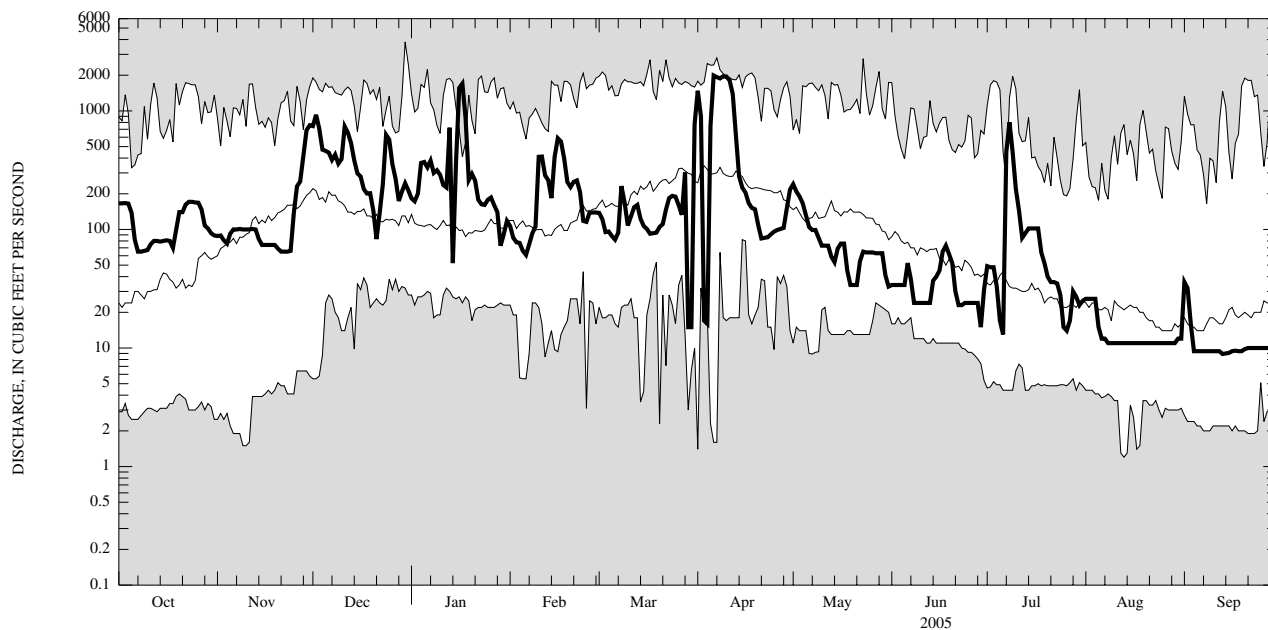
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	98.5	181	232	195	205	338	392	185	104	58.2	41.9	64.4
Max	618	411	531	517	604	690	1,117	483	370	305	200	408
(WY)	(1978)	(1997)	(1997)	(1996)	(1981)	(1977)	(1993)	(1983)	(1968)	(1973)	(1994)	(1977)
Min	3.35	4.46	45.0	28.3	33.3	86.2	118	35.4	16.2	6.95	3.86	2.45
(WY)	(1965)	(1965)	(1961)	(1961)	(1980)	(1960)	(1985)	(1987)	(1964)	(1965)	(1964)	(1964)

01500000 OULEOUT CREEK AT EAST SIDNEY, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1950 - 2005	
Annual total	80,304		68,503.1			
Annual mean	219		188		174	
Highest annual mean					258	2004
Lowest annual mean					77.9	1965
Highest daily mean	1,890	Sep 20	1,990	Apr 6	2,800	Apr 7, 1960
Lowest daily mean	10	Jun 30	8.9	Sep 13	1.4	Apr 1, 1989
Annual seven-day minimum	17	Jul 6	9.2	Sep 9	1.8	Nov 5, 1973
10 percent exceeds	450		414		410	
50 percent exceeds	142		91		88	
90 percent exceeds	46		11		12	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.



Water-Data Report NY-2005

01500500 SUSQUEHANNA RIVER AT UNADILLA, NY

Upper Susquehanna Watershed

LOCATION.--Lat 42°19'17", long 75°19'01" referenced to North American Datum of 1927, Otsego County, Hydrologic Unit 02050101, on right bank 25 ft downstream from bridge on Bridge Street at Unadilla, 1.0 mi upstream from Carrs Creek, and 1.6 mi downstream from Ouleout Creek.

DRAINAGE AREA.--982 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Continuous record--June 1938 to March 1995, annual maximum only--1996 to current year.

REVISED RECORDS.--WSP 851: 1938 (M). WSP 2103: 1966 (M); Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 997.25 ft above NGVD of 1929.

REMARKS.--Records good. Regulation at times by upstream lakes and reservoirs. Satellite and telephone gage-height telemeters at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of Mar. 18, 1936, reached a stage of 16.6 ft, from flood marks, discharge, 31,300 ft³/s from publications of the Corps of Engineers, Baltimore District.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 23, 500 ft³/s, Mar. 14, 1977, gage height, 14.64 ft.

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft ³ /s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 3, 2005	20,500	5	13.68	---

Discharge qualification code:

5 - Discharge affected to unknown degree by regulation or diversion

01502500 UNADILLA RIVER AT ROCKDALE, NY

Upper Susquehanna Watershed

LOCATION.--Lat 42°22'40", long 75°24'23" referenced to North American Datum of 1927, Chenango County, Hydrologic Unit 02050101, on right bank 400 ft downstream from Chenango-Otsego County highway bridge at Rockdale, and 0.7 mi downstream from Kent Brook.

DRAINAGE AREA.--520 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1929 to September 1933, January 1937 to March 1995, October 1995 to September 2000 (annual maximum only), October 2000 to current year.

REVISED RECORDS.--WDR NY 1974: 1973 (P).

GAGE.--Water-stage recorder. Datum of gage is 992.25 ft above NGVD of 1929. Prior to Sept. 30, 1933, nonrecording gage at bridge 400 ft upstream at datum 0.73 ft higher.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,400 ft³/s, Dec. 31, 1942, gage height, 12.98 ft; minimum instantaneous discharge not determined.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,700 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 14	1645	7,030	8.99
Mar 29	1000	7,900	9.43
Apr 03	2145	*13,900	*11.83

Minimum discharge, 65 ft³/s, Aug 27, 29, gage height, 3.50 ft.

01502500 UNADILLA RIVER AT ROCKDALE, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	580	517	3,130	1,060	e590	e610	6,120	1,240	261	286	116	1,070
2	524	490	4,450	970	e550	e600	7,270	1,130	245	260	114	496
3	523	517	2,930	931	e520	e550	13,200	1,000	229	203	120	285
4	498	625	2,170	1,290	e500	e540	11,600	927	219	169	108	200
5	436	984	1,810	1,280	e500	e490	6,850	846	207	154	102	162
6	395	1,190	1,590	1,080	e490	e500	3,980	777	204	153	97	144
7	369	1,020	1,570	1,170	e485	e580	2,890	733	211	706	92	130
8	352	864	2,140	1,060	504	1,000	2,600	684	230	545	91	120
9	333	782	1,850	977	582	e950	2,140	628	219	450	89	113
10	319	719	2,000	925	1,290	e800	1,770	589	231	357	91	107
11	305	695	4,270	875	e1,400	e750	1,520	549	195	277	86	101
12	293	673	3,800	986	e1,000	e750	1,330	509	203	226	82	96
13	283	629	2,670	2,370	e900	e720	1,210	468	307	238	82	93
14	274	569	2,190	6,230	e800	e650	1,100	455	844	286	89	89
15	287	542	1,720	5,940	1,230	e580	992	471	321	620	96	87
16	693	526	1,450	3,390	1,950	e560	899	486	285	615	87	97
17	614	512	1,400	2,410	e1,900	e540	834	440	413	332	86	233
18	442	493	1,140	1,470	e1,550	e560	774	399	476	268	81	188
19	556	491	1,160	1,090	e1,120	e580	716	375	427	232	77	144
20	943	489	864	1,330	e1,000	603	676	355	339	205	76	127
21	877	495	e700	e1,200	e950	632	678	342	272	182	82	115
22	1,120	518	e800	e950	998	749	659	349	243	174	88	110
23	898	477	1,270	e930	e920	885	932	384	214	182	81	105
24	740	460	2,620	e920	e780	803	2,410	395	195	172	76	97
25	664	1,100	e1,650	e900	e700	775	2,220	394	179	158	73	97
26	618	1,950	e1,150	e850	e660	744	1,560	389	167	143	71	125
27	574	1,290	995	e750	e650	830	1,320	357	163	138	68	359
28	535	2,100	e780	e690	e610	3,520	1,420	324	168	130	69	396
29	503	3,590	e880	e600	---	7,630	1,240	308	216	123	66	308
30	494	2,260	958	e640	---	6,620	1,130	305	259	117	297	298
31	519	---	922	e630	---	5,950	---	283	---	114	736	---
Total	16,561	27,567	57,029	45,894	25,129	42,051	82,040	16,891	8,142	8,215	3,569	6,092
Mean	534	919	1,840	1,480	897	1,356	2,735	545	271	265	115	203
Max	1,120	3,590	4,450	6,230	1,950	7,630	13,200	1,240	844	706	736	1,070
Min	274	460	700	600	485	490	659	283	163	114	66	87
Cfsm	1.03	1.77	3.54	2.85	1.73	2.61	5.26	1.05	0.52	0.51	0.22	0.39
In.	1.18	1.97	4.08	3.28	1.80	3.01	5.87	1.21	0.58	0.59	0.26	0.44

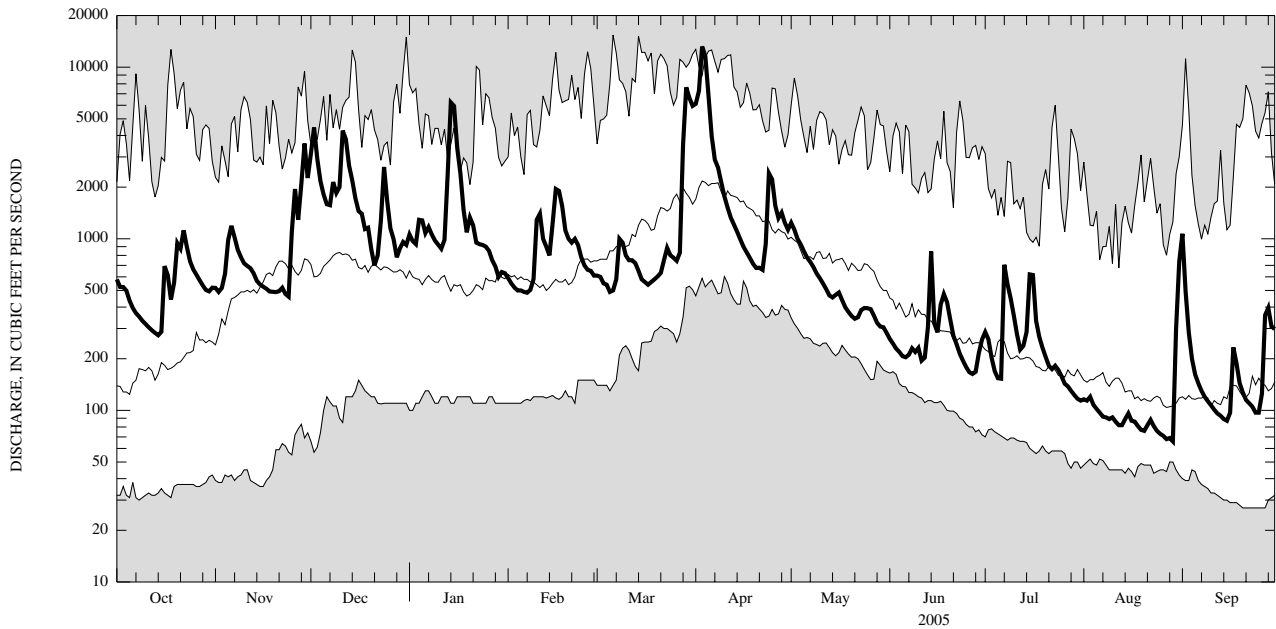
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	448	793	989	858	971	1,768	2,068	945	526	299	218	293
Max	2,944	2,223	2,104	1,931	2,858	4,181	5,395	2,264	1,710	1,209	1,204	2,067
(WY)	(1978)	(1960)	(1973)	(1952)	(1981)	(1977)	(1940)	(1943)	(1972)	(1947)	(2004)	(1977)
Min	34.6	51.6	148	115	174	568	465	278	128	65.4	54.0	34.2
(WY)	(1965)	(1965)	(1931)	(1931)	(1980)	(1941)	(1946)	(1985)	(1964)	(1962)	(1964)	(1964)

01502500 UNADILLA RIVER AT ROCKDALE, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1930 - 2005	
Annual total	388,889		339,180			
Annual mean	1,063		929		850	
Highest annual mean					1,294	1943
Lowest annual mean					447	1965
Highest daily mean	6,200	Mar 7	13,200	Apr 3	15,400	Mar 6, 1979
Lowest daily mean	153	Jul 7	66	Aug 29	27	Sep 20, 1964
Annual seven-day minimum	170	Jul 1	72	Aug 23	27	Sep 20, 1964
Annual runoff (cfsm)	2.04		1.79		1.64	
Annual runoff (inches)	27.82		24.26		22.22	
10 percent exceeds	2,120		1,920		1,970	
50 percent exceeds	764		560		470	
90 percent exceeds	330		109		97	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01502632 SUSQUEHANNA RIVER AT BAINBRIDGE, NY

Upper Susquehanna Watershed

LOCATION.--Lat 42°17'29", long 75°28'36" referenced to North American Datum of 1927, Chenango County, Hydrologic Unit 02050101, on right bank at the downstream side of bridge on State Highway 206 over the Susquehanna River at Bainbridge.

DRAINAGE AREA.--1610 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Annual maximum only--1989 to current year.

GAGE.--Water-stage recorder. Datum of gage is 956.55 ft. above NGVD of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,500 ft³/s, Apr. 3, 2005, gage height, 20.47 ft; maximum gage height, 21.04 ft, Jan. 20, 1996 (ice jam).

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 4, 2005	37,500	---	20.47	---

01502731 SUSQUEHANNA RIVER AT WINDSOR, NY

Upper Susquehanna Watershed

LOCATION.--Lat 42°04'29", long 75°38'17" referenced to North American Datum of 1927, Broome County, Hydrologic Unit 02050101, on right bank at the downstream side of bridge on County Highway 315 over the Susquehanna River, at Windsor.

DRAINAGE AREA.--1820 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—Annual maximum only--1988 to current year.

GAGE.--Water-stage recorder. Datum of gage is 900.00 ft above NGVD of 1929.

REMARKS.--Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 40,000 ft³/s, Jan. 20, 1996, gage height not available; maximum gage height, 21.22 ft, Jan. 20, 1996 (ice jam).

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 4, 2005	35,200	---	19.09	---

01503000 SUSQUEHANNA RIVER AT CONKLIN, NY

Upper Susquehanna Watershed

LOCATION.--Lat 42°02'07", long 75°48'12" referenced to North American Datum of 1927, Broome County, Hydrologic Unit 02050101, on left bank at abutment of former highway bridge, 500 ft upstream from bridge on County Highway 304 at Conklin, 0.7 mi downstream from Little Snake Creek, and 3.5 mi downstream from Pennsylvania-New York State line.

DRAINAGE AREA.--2232 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1912 to current year.

REVISED RECORDS.--WSP 1672: 1918 (M, P). WSP 2103: Drainage area. WDR NY-81-3: 1918 (M, P).

GAGE.--Water-stage recorder. Datum of gage is 841.04 ft above NGVD of 1929. Prior to Oct. 4, 1914, nonrecording gage at same site and datum.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Minor regulation by upstream lakes and reservoirs. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 61,600 ft³/s, Mar. 18, 1936, gage height, 20.14 ft; maximum gage height, 20.83 ft, Mar. 22, 1948; minimum discharge, 85 ft³/s, Oct. 14, 1964, gage height 1.30 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 18,000 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 14	1315	30,400	13.99
Mar 29	1245	35,000	15.09
Apr 03	0900	*49,400	*18.08

Minimum discharge, 233 ft³/s, Aug 28, gage height, 1.74 ft.

01503000 SUSQUEHANNA RIVER AT CONKLIN, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3,500	1,960	11,700	4,240	e2,800	e2,600	22,500	4,330	1,210	804	415	1,530
2	3,180	1,870	15,200	4,090	e2,600	e2,600	26,500	4,370	1,070	809	388	1,890
3	2,950	1,870	13,000	4,000	e2,500	e2,600	47,700	4,120	963	739	398	1,310
4	2,730	1,880	9,290	5,990	e2,400	e2,500	43,200	3,780	903	705	388	871
5	2,510	2,360	7,390	6,100	e2,350	e2,400	36,900	3,490	855	609	376	631
6	2,200	2,810	6,390	5,640	e2,300	e2,300	24,200	3,230	840	568	357	512
7	1,950	3,080	5,890	5,340	e2,350	e2,350	15,600	2,970	891	545	334	442
8	1,780	2,790	6,600	5,450	e2,400	e3,200	12,900	2,780	883	2,730	316	396
9	1,680	2,480	6,950	5,090	e2,700	e4,000	11,200	2,600	839	2,810	324	365
10	1,580	2,300	7,370	4,590	e6,900	e3,700	9,680	2,420	794	2,170	327	336
11	1,500	2,190	12,600	4,340	e8,800	e3,300	8,430	2,180	777	1,590	304	317
12	1,420	2,140	15,400	4,370	e6,800	e3,200	7,400	2,070	792	1,180	301	301
13	1,360	2,130	12,000	7,010	e5,700	e3,100	6,370	1,940	737	969	356	290
14	1,300	2,000	9,450	25,500	e4,700	e2,900	5,330	1,820	722	865	401	279
15	1,300	1,870	7,550	24,300	e5,100	e2,700	4,620	1,920	1,730	862	332	278
16	2,250	1,790	6,250	17,900	e7,500	e2,500	4,140	1,900	1,310	1,120	319	278
17	2,400	1,750	5,600	12,200	e9,400	e2,400	3,700	1,890	1,030	1,710	335	272
18	2,000	1,710	5,120	8,970	e7,800	e2,380	3,580	1,710	1,140	1,260	310	275
19	3,400	1,660	4,570	6,030	e6,250	e2,400	3,280	1,530	1,420	1,040	286	360
20	3,830	1,630	e4,400	4,710	e5,000	2,510	3,050	1,410	1,340	871	275	381
21	3,890	1,630	e3,500	5,140	e4,600	2,770	2,940	1,340	1,130	750	265	348
22	4,300	1,610	e2,800	4,290	4,440	2,900	2,750	1,280	951	655	257	314
23	4,070	1,630	4,680	e3,500	e4,300	3,450	2,900	1,260	821	600	257	299
24	3,400	1,600	9,030	e3,450	e3,800	3,610	5,280	1,360	747	572	269	287
25	2,920	2,630	8,710	e3,500	e3,350	3,360	7,620	1,430	678	637	272	260
26	2,640	4,320	6,170	e3,700	e3,150	3,280	6,150	1,420	629	608	260	256
27	2,430	4,930	e5,000	e3,700	e3,050	3,440	5,020	1,460	590	525	246	281
28	2,250	11,300	e4,050	e3,400	e2,950	9,040	4,770	1,420	552	483	240	327
29	2,060	14,200	3,620	e3,100	---	31,600	4,930	1,350	533	447	244	584
30	2,110	10,400	4,370	e3,000	---	29,100	4,530	1,280	619	422	354	659
31	2,060	---	4,440	e2,900	---	24,400	---	1,170	---	416	635	---
Total	76,950	96,520	229,090	205,540	125,990	172,590	347,170	67,230	27,496	30,071	10,141	14,929
Mean	2,482	3,217	7,390	6,630	4,500	5,567	11,570	2,169	917	970	327	498
Max	4,300	14,200	15,400	25,500	9,400	31,600	47,700	4,370	1,730	2,810	635	1,890
Min	1,300	1,600	2,800	2,900	2,300	2,300	2,750	1,170	533	416	240	256
Cfsm	1.11	1.44	3.31	2.97	2.02	2.49	5.18	0.97	0.41	0.43	0.15	0.22
In.	1.28	1.61	3.82	3.43	2.10	2.88	5.79	1.12	0.46	0.50	0.17	0.25

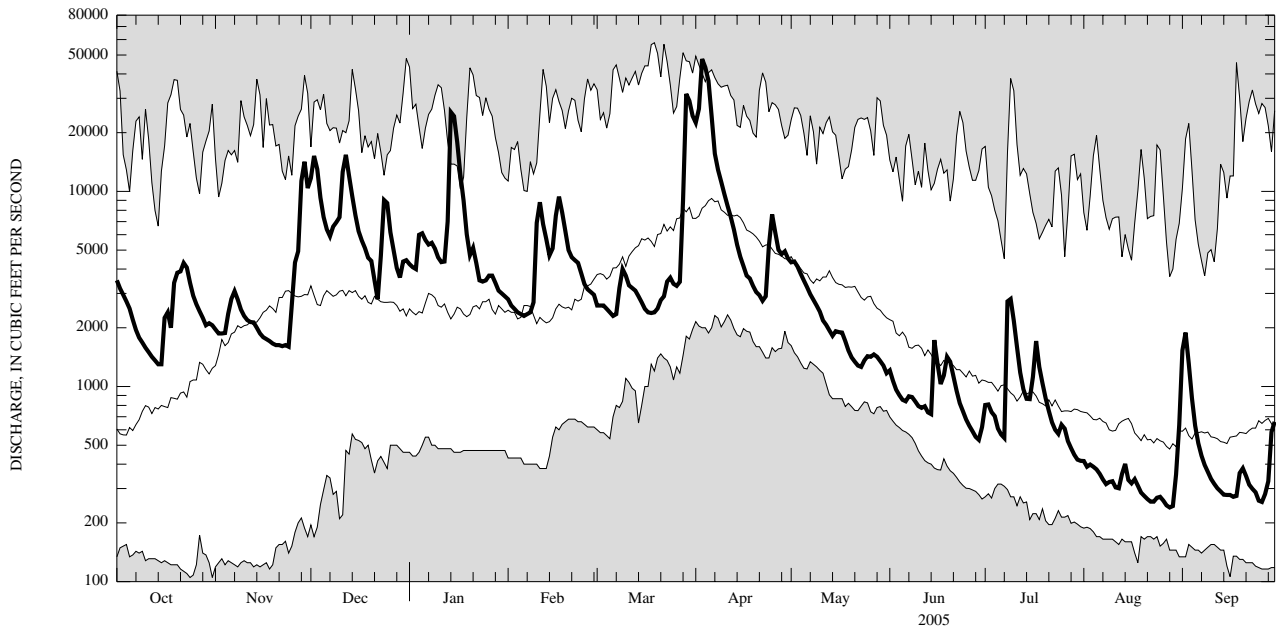
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,866	3,356	3,999	3,932	3,928	7,550	8,437	4,226	2,276	1,435	1,007	1,234
Max	12,860	9,281	10,680	10,110	11,150	18,540	21,340	10,590	8,122	7,929	5,033	8,783
(WY)	(1978)	(1928)	(1997)	(1913)	(1981)	(1936)	(1940)	(1943)	(1917)	(1915)	(1915)	(1977)
Min	130	140	641	476	724	2,808	2,000	1,300	476	267	171	142
(WY)	(1965)	(1965)	(1931)	(1931)	(1980)	(1965)	(1946)	(1985)	(1999)	(1936)	(1964)	(1964)

01503000 SUSQUEHANNA RIVER AT CONKLIN, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1913 - 2005	
Annual total	1,613,695		1,403,717			
Annual mean	4,409		3,846		3,600	
Highest annual mean					5,667	1928
Lowest annual mean					1,690	1965
Highest daily mean	45,700	Sep 18	47,700	Apr 3	57,800	Mar 19, 1936
Lowest daily mean	691	Jul 7	240	Aug 28	105	Oct 24, 1964
Annual seven-day minimum	759	Jul 3	255	Aug 23	114	Oct 19, 1964
Annual runoff (cfsm)	1.98		1.72		1.61	
Annual runoff (inches)	26.89		23.40		21.91	
10 percent exceeds	8,700		7,690		8,400	
50 percent exceeds	3,380		2,380		2,040	
90 percent exceeds	1,430		336		423	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.



Water-Data Report NY-2005

01503980 CHENANGO RIVER AT EATON, NY

Chenango Watershed

LOCATION.--Lat 42°51'02", long 75°36'21" referenced to North American Datum of 1927, Madison County, Hydrologic Unit 02050102, at bridge on Landon Road at Eaton, 0.1 mi upstream from Eaton Brook, and 0.1 mi downstream from State Highway 26.

DRAINAGE AREA.--24.3 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—Annual maximum only—1964-65, 1967 to current year.

GAGE.--Crest-stage partial-record station. Elevation of gage is 1,180 ft above NGVD of 1929, from topographic map.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,780 ft³/s, Apr. 2, 2005, gage height, 8.25 ft; maximum gage height, 8.51 ft, Jan. 19, 1996 (ice jam).

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft ³ /s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 2, 2005	2,780	---	8.25	---

01505000 CHENANGO RIVER AT SHERBURNE, NY

Chenango Watershed

LOCATION.--Lat 42°40'43", long 75°30'39" referenced to North American Datum of 1927, Chenango County, Hydrologic Unit 02050102, on right bank 20 ft downstream from bridge on State Highway 80, 0.5 mi west of Sherburne, and 0.5 mi downstream from Handsome Brook.

DRAINAGE AREA.--263 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1938 to March 1995, October 1995 to March 2004 (annual maximum only), and April 2004 to current year.

REVISED RECORDS.--WSP 851: 1938(M). WSP 1502: 1955. WSP 2103: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,037.16 ft above NGVD of 1929. July 22 to Dec. 9, 1953, nonrecording gage or reference point and Dec. 10, 1953 to Jan. 26, 1955, water-stage recorder at temporary site 1.5 mi downstream, at datum approximately 11.9 ft lower, during period of construction of highway bridge.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Flow from 82 mi² of drainage area formerly may have been diverted into Mohawk River basin through abandoned Chenango Canal; no diversion from this cause known during period of record. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,400 ft³/s, Mar. 6, 1979, gage height, 9.94 ft; maximum gage height, 10.78 ft, Jan. 19, 1996 (ice jam) and Apr. 3, 2005; minimum discharge, 12 ft³/s, Sept. 25, 1964.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 18, 1936, reached a stage of 10.6 ft, from records of National Weather Service.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,500 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr 03	0230	*9,330	*10.78
No other peak greater than base discharge			

Minimum discharge, 20 ft³/s, Aug 27, gage height, 1.39 ft.

01505000 CHENANGO RIVER AT SHERBURNE, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	275	270	1,540	534	e410	380	3,020	528	106	60	38	114
2	257	261	1,880	470	e390	366	4,060	472	101	55	37	65
3	276	296	1,260	479	e370	e330	7,720	434	107	53	35	48
4	252	327	987	621	359	e310	4,330	398	98	51	34	41
5	227	513	837	560	332	e300	2,750	363	91	50	33	38
6	213	493	714	516	305	e290	2,130	333	87	50	32	36
7	204	443	710	551	299	338	1,760	338	88	54	32	33
8	195	418	981	502	311	563	1,490	294	82	59	32	32
9	181	394	746	474	406	e500	1,160	272	80	62	30	32
10	164	365	848	455	684	e490	953	249	74	58	28	30
11	158	364	2,070	436	e520	e450	811	232	72	53	28	29
12	152	349	1,610	489	517	e410	723	214	75	52	27	28
13	146	318	1,260	1,070	476	389	664	200	77	194	31	28
14	144	289	1,020	2,500	430	e350	616	197	115	115	31	28
15	147	283	811	1,850	655	e330	555	214	101	75	29	32
16	320	277	715	1,320	802	e330	476	205	97	75	28	46
17	274	267	665	1,040	728	324	433	185	119	64	27	42
18	239	261	585	e790	e600	331	400	170	147	73	25	38
19	328	265	596	e690	e590	318	371	159	125	67	25	35
20	377	264	e500	e740	e550	332	354	151	98	57	25	34
21	392	284	e500	e650	e520	350	382	144	84	52	25	34
22	460	283	e540	e650	502	393	341	140	77	50	25	31
23	391	263	771	e660	469	428	614	147	73	55	24	30
24	352	261	1,140	e650	413	411	1,060	153	68	49	23	29
25	317	593	678	e630	433	412	899	160	64	46	22	31
26	296	666	595	e540	394	389	767	147	61	44	22	47
27	280	533	e530	e520	385	414	676	135	59	43	21	122
28	265	1,220	609	e490	363	1,390	626	125	60	42	22	82
29	251	1,690	552	e470	---	2,210	550	128	68	41	21	64
30	250	1,030	479	e440	---	2,250	513	121	76	39	54	60
31	273	---	480	e430	---	2,380	---	112	---	38	116	---
Total	8,056	13,540	27,209	22,217	13,213	18,458	41,204	7,120	2,630	1,876	982	1,339
Mean	260	451	878	717	472	595	1,373	230	87.7	60.5	31.7	44.6
Max	460	1,690	2,070	2,500	802	2,380	7,720	528	147	194	116	122
Min	144	261	479	430	299	290	341	112	59	38	21	28

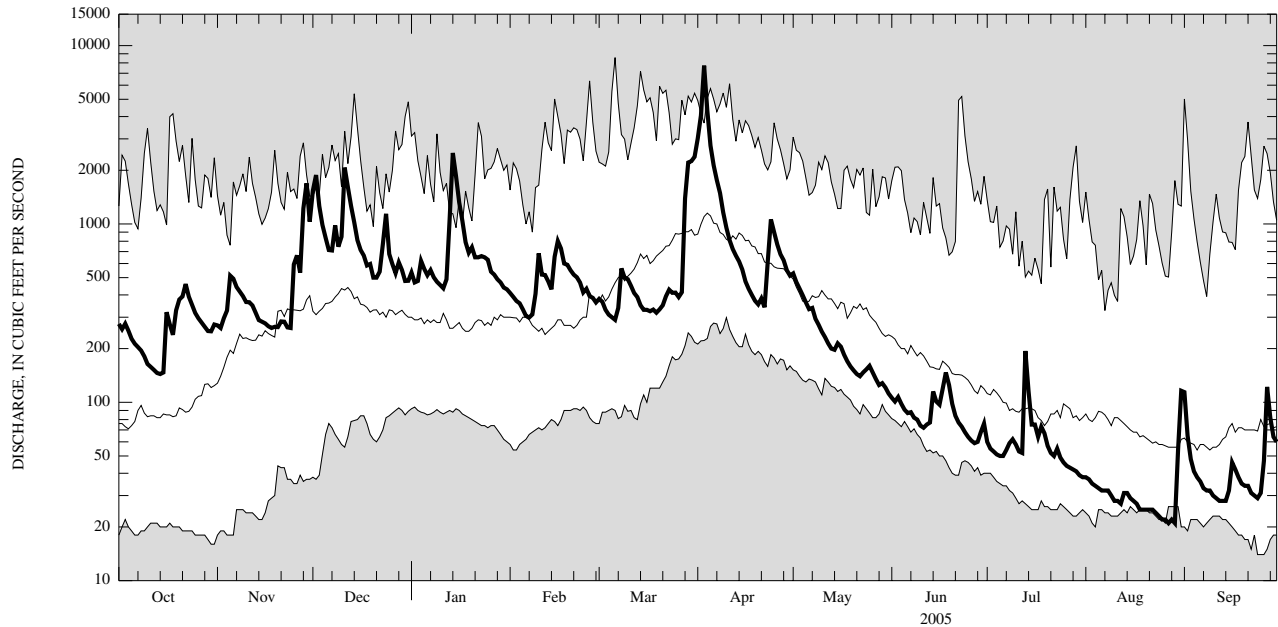
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	208	342	462	416	461	866	1,009	439	249	146	110	140
Max	1,227	792	994	912	1,497	2,059	2,596	989	1,190	517	644	853
(WY)	(1978)	(1969)	(1973)	(1952)	(1981)	(1977)	(1940)	(1947)	(1972)	(2004)	(2004)	(1977)
Min	20.2	33.9	97.3	82.9	102	315	222	144	64.1	28.9	31.3	21.4
(WY)	(1964)	(1965)	(1961)	(1961)	(1980)	(1941)	(1946)	(1941)	(1941)	(1962)	(1939)	(1939)

01505000 CHENANGO RIVER AT SHERBURNE, NY—Continued

SUMMARY STATISTICS

	Water Year 2005		Water Years 1938 - 2005	
Annual total	157,844			
Annual mean	432		403	
Highest annual mean			640	1943
Lowest annual mean			200	1965
Highest daily mean	7,720	Apr 3	8,570	Mar 6, 1979
Lowest daily mean	21	Aug 27	14	Sep 24, 1964
Annual seven-day minimum	22	Aug 23	15	Sep 21, 1964
10 percent exceeds	821		940	
50 percent exceeds	296		225	
90 percent exceeds	33		51	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.



Water-Data Report NY-2005

01507000 CHENANGO RIVER AT GREENE, NY

Chenango Watershed

LOCATION.--Lat 42°19'28", long 75°46'18" referenced to North American Datum of 1927, Chenango County, Hydrologic Unit 02050102, on left bank 0.3 mi downstream from bridge on State Highway 206 at Greene, and 0.6 mi downstream from Birdsall Brook.

DRAINAGE AREA.--593 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—Continuous record—February 1937 to September 1970, annual maximum only--1971 to current year.

REVISED RECORDS.--WDR NY 1969: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 892.58 ft above NGVD of 1929 (levels by Corps of Engineers).

REMARKS.--Satellite and telephone gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,800 ft³/s, Apr. 3, 2005, gage height, 18.67 ft.

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 3, 2005	20,800	---	18.67	---

01509000 TIOUGHNIOGA RIVER AT CORTLAND, NY

Chenango Watershed

LOCATION.--Lat 42°36'10", long 76°09'35" referenced to North American Datum of 1927, Cortland County, Hydrologic Unit 02050102, on right bank at east end of Elm Street at Cortland, 0.4 mi downstream from confluence of East and West Branches.

DRAINAGE AREA.--292 mi², including 14.0 mi², the flow from which may be diverted into De Ruyter Reservoir in Oswego River basin.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1938 to current year.

REVISED RECORDS.--WSP 2103: Drainage area. WDR NY 1974: 1973.

GAGE.--Water-stage recorder. Datum of gage is 1,084.92 ft above NGVD of 1929. Prior to Oct. 1, 1939, water-stage recorder at datum 4.00 ft higher; Oct. 1, 1939 to Sept. 30, 1963, water-stage recorder at datum 3.00 ft higher.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Diurnal fluctuation at low and medium flow caused by powerplants in mills on West Branch. Slight diversion from East Branch for operation of Erie (Barge) Canal. Slight diversion from Gate House Pond on West Branch 17 mi upstream from station into Onondaga Creek basin (St. Lawrence River basin) for manufacturing purposes by Linden Chlorine Process Co. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,200 ft³/s, Apr. 3, 2005, gage height, 14.07 ft; minimum discharge, 9.8 ft³/s, Sept. 20, 1939, Sep. 29, 1959.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,400 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr 03	1406	*14,200	*14.07
No other peak greater than base discharge			

Minimum discharge, 46 ft³/s, Aug 27, 28, 29, gage height, 2.75 ft.

01509000 TIOUGHNIAGA RIVER AT CORTLAND, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	298	203	2,120	703	e370	391	4,780	671	146	137	64	289
2	281	205	2,960	587	e350	375	6,140	615	142	121	64	155
3	281	243	1,980	614	e340	342	12,600	568	138	113	61	105
4	263	281	1,360	852	e320	e330	e8,100	526	135	107	59	86
5	242	488	1,100	795	295	e310	e5,500	461	130	105	59	77
6	233	441	917	726	286	e310	e3,000	436	130	109	58	71
7	222	372	871	822	281	e330	2,710	408	130	106	56	69
8	211	332	1,210	728	312	623	2,570	376	127	104	64	68
9	200	322	990	661	464	e510	2,010	351	122	125	120	64
10	196	299	1,130	610	820	e470	1,560	330	198	141	76	60
11	192	292	2,310	572	679	e450	1,260	308	189	116	68	59
12	185	283	2,270	654	623	e440	1,060	289	164	105	62	56
13	177	265	1,720	1,650	562	e430	925	275	208	106	74	56
14	174	242	1,330	3,730	e490	e410	817	275	908	145	72	56
15	178	230	1,040	3,440	754	e390	721	278	461	111	65	56
16	219	221	879	1,990	1,050	e370	658	268	312	100	62	55
17	219	216	804	1,470	945	e350	616	259	321	95	58	55
18	216	222	680	1,040	e800	e350	580	245	594	94	56	54
19	275	234	678	872	650	337	536	234	478	103	54	55
20	311	235	545	e850	e640	354	500	226	340	91	54	55
21	289	246	e525	e750	e600	352	520	218	278	84	54	54
22	345	241	509	e700	590	359	475	215	250	82	52	53
23	295	231	855	e650	544	402	725	213	223	79	53	49
24	263	228	1,590	e620	e460	404	1,540	214	194	77	51	48
25	244	659	979	595	e450	398	1,540	214	178	74	49	51
26	234	946	768	567	e420	382	1,120	219	163	72	48	94
27	223	624	625	e520	e400	409	896	196	152	71	47	315
28	213	1,400	541	e460	e390	1,220	806	160	143	70	48	190
29	207	2,480	536	e430	---	2,590	717	154	156	69	48	136
30	206	1,620	508	e400	---	2,810	662	150	160	67	63	125
31	207	---	556	e390	---	3,270	---	146	---	65	211	---
Total	7,299	14,301	34,886	29,448	14,885	20,468	65,644	9,498	7,270	3,044	2,030	2,716
Mean	235	477	1,125	950	532	660	2,188	306	242	98.2	65.5	90.5
Max	345	2,480	2,960	3,730	1,050	3,270	12,600	671	908	145	211	315
Min	174	203	508	390	281	310	475	146	122	65	47	48
Cfsm	0.81	1.63	3.85	3.25	1.82	2.26	7.49	1.05	0.83	0.34	0.22	0.31
In.	0.93	1.82	4.44	3.75	1.90	2.61	8.36	1.21	0.93	0.39	0.26	0.35

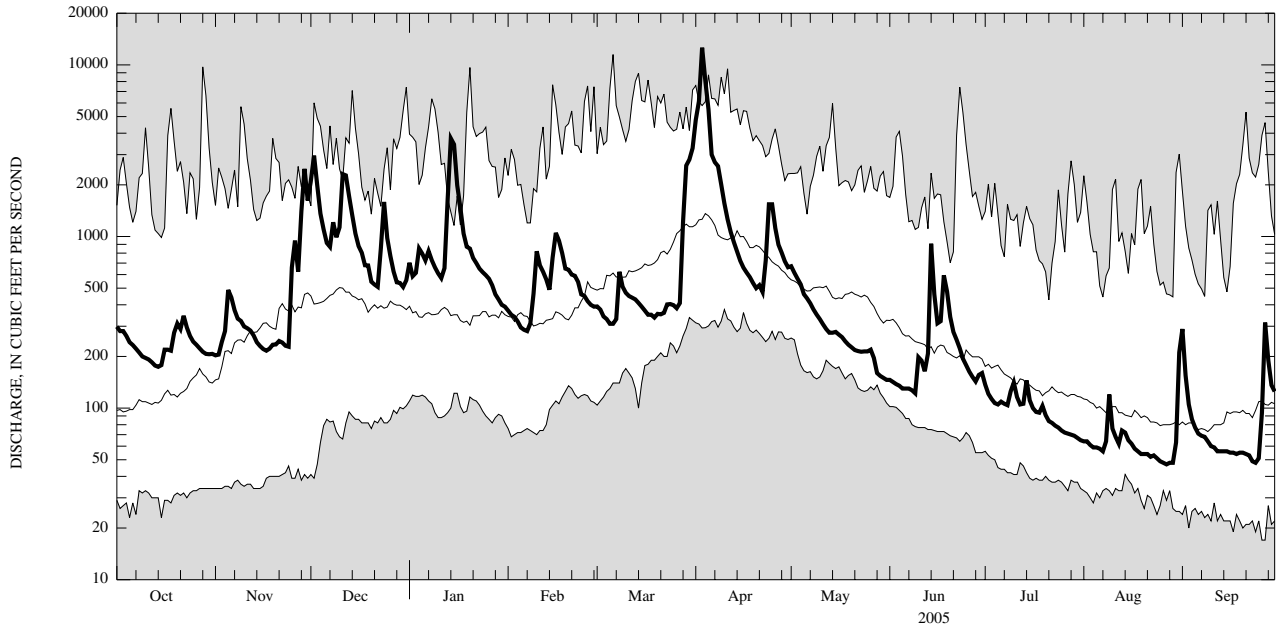
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	249	431	586	529	559	1,048	1,259	579	334	188	139	162
Max	1,553	1,119	1,537	1,415	1,469	2,432	3,487	1,539	1,674	560	656	1,125
(WY)	(1978)	(1969)	(1997)	(1998)	(1976)	(1945)	(1993)	(2000)	(1972)	(2004)	(2004)	(1977)
Min	33.2	44.3	86.7	112	127	359	305	205	77.7	43.5	34.6	23.8
(WY)	(1965)	(1965)	(1961)	(1961)	(1963)	(1941)	(1946)	(1999)	(1999)	(1962)	(1939)	(1939)

01509000 TIOUGHNIOGA RIVER AT CORTLAND, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1938 - 2005	
Annual total	239,797		211,489			
Annual mean	655		579		504	
Highest annual mean					729	2004
Lowest annual mean					303	1965
Highest daily mean	4,310	Mar 6	12,600	Apr 3	12,600	Apr 3, 2005
Lowest daily mean	115	Jul 6	47	Aug 27	17	Sep 26, 1959
Annual seven-day minimum	123	Jun 30	49	Aug 23	21	Sep 19, 1939
Annual runoff (cfsm)	2.24		1.98		1.73	
Annual runoff (inches)	30.55		26.94		23.46	
10 percent exceeds	1,350		1,120		1,120	
50 percent exceeds	450		295		290	
90 percent exceeds	198		63		71	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01509520 TIOUGHNIOGA RIVER AT LISLE, NY

Chenango Watershed

LOCATION.--Lat 42°20'58", long 75°59'58" referenced to North American Datum of 1927, Broome County, Hydrologic Unit 02050102, on left bank 50 ft upstream from bridge on State highway 79 at Lisle, and 2.3 mi upstream from Otselic River.

DRAINAGE AREA.--453 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Annual maximum only--October 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is 956.52 ft above NGVD of 1929.

REMARKS.--Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,800 ft³/s, Apr. 2, 2005, gage height, 10.38 ft; maximum gage height, 10.50 ft, Jan. 19, 1996 (ice jam).

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 2, 2005	19,800	---	10.38	---

01510000 OTSELIC RIVER AT CINCINNATUS, NY

Chenango Watershed

LOCATION.--Lat 42°32'28", long 75°54'00" referenced to North American Datum of 1927, Cortland County, Hydrologic Unit 02050102, on right bank 150 ft upstream from Mead Brook, and 300 ft downstream from bridge on County Highway 159 at Cincinnatus.

DRAINAGE AREA.--147 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1938 to September 1964, October 1969 to current year.

REVISED RECORDS.--WSP 2103: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,031.67 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,200 ft³/s, Apr. 3, 2005, gage height, 10.55 ft, from floodmark on outside of stilling well; maximum gage height, 10.89 ft, Jan. 19, 1996 (ice jam); minimum discharge, 3.8 ft³/s, Sept. 25, 1939.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)
Nov 28	1746	2,810	5.81
Dec 01	1731	2,870	5.88
Jan 14	1016	3,570	6.60
Apr 03	unknown	*12,200	*10.55

Minimum discharge, 11 ft³/s, Aug 25, 26, 27, 28, 29, gage height, -0.41 ft.

01510000 OTSELIC RIVER AT CINCINNATUS, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	131	117	1,760	280	e130	e150	2,750	293	45	56	25	98
2	120	112	1,720	224	e120	e140	3,960	253	43	46	23	49
3	125	148	872	262	e120	e140	e8,800	227	40	39	21	35
4	111	173	595	406	e120	e130	3,050	207	38	36	20	28
5	103	408	499	313	e110	e130	1,510	188	35	35	19	24
6	99	320	419	310	e110	144	1,160	174	38	33	18	22
7	94	260	459	350	121	153	1,170	163	44	32	18	20
8	86	233	730	295	134	293	1,020	152	40	32	18	19
9	80	216	484	269	183	e200	742	140	36	34	18	18
10	76	197	669	255	496	208	577	130	49	34	17	e17
11	73	190	1,880	237	e290	e190	473	122	39	30	16	e16
12	70	178	1,040	348	e250	e180	397	111	35	28	15	e16
13	66	163	710	1,190	e230	171	347	103	37	115	17	15
14	62	150	535	2,990	e200	e150	304	104	129	89	20	14
15	63	147	433	1,420	502	e150	267	107	73	54	17	14
16	106	142	381	746	587	e140	236	98	56	44	16	16
17	89	136	351	545	456	e140	216	90	64	40	15	18
18	89	136	289	e350	e330	148	196	84	107	103	15	17
19	173	140	299	e290	e280	140	179	e80	92	80	14	16
20	193	135	e200	e350	e260	150	168	75	68	55	14	17
21	194	153	e190	e300	e240	152	181	71	59	46	14	16
22	269	143	e210	e270	e210	156	159	68	54	43	13	15
23	199	134	678	e270	e200	175	303	69	50	40	13	14
24	172	141	848	e250	e180	169	844	67	44	36	12	14
25	158	461	397	e230	e170	167	552	66	41	33	12	15
26	150	465	e300	e200	e160	161	418	62	38	30	11	42
27	137	336	e250	e180	e160	181	353	58	40	29	11	217
28	128	1,470	e220	e160	e150	1,220	e330	55	44	28	12	87
29	121	1,580	256	e160	---	2,040	283	61	63	26	12	62
30	121	732	234	e150	---	1,810	276	53	97	24	28	59
31	126	---	241	e140	---	2,070	---	49	---	25	91	---
Total	3,784	9,316	18,149	13,740	6,499	11,548	31,221	3,580	1,638	1,375	585	1,030
Mean	122	311	585	443	232	373	1,041	115	54.6	44.4	18.9	34.3
Max	269	1,580	1,880	2,990	587	2,070	8,800	293	129	115	91	217
Min	62	112	190	140	110	130	159	49	35	24	11	14
Cfsm	0.83	2.11	3.98	3.02	1.58	2.53	7.08	0.79	0.37	0.30	0.13	0.23
In.	0.96	2.36	4.59	3.48	1.64	2.92	7.90	0.91	0.41	0.35	0.15	0.26

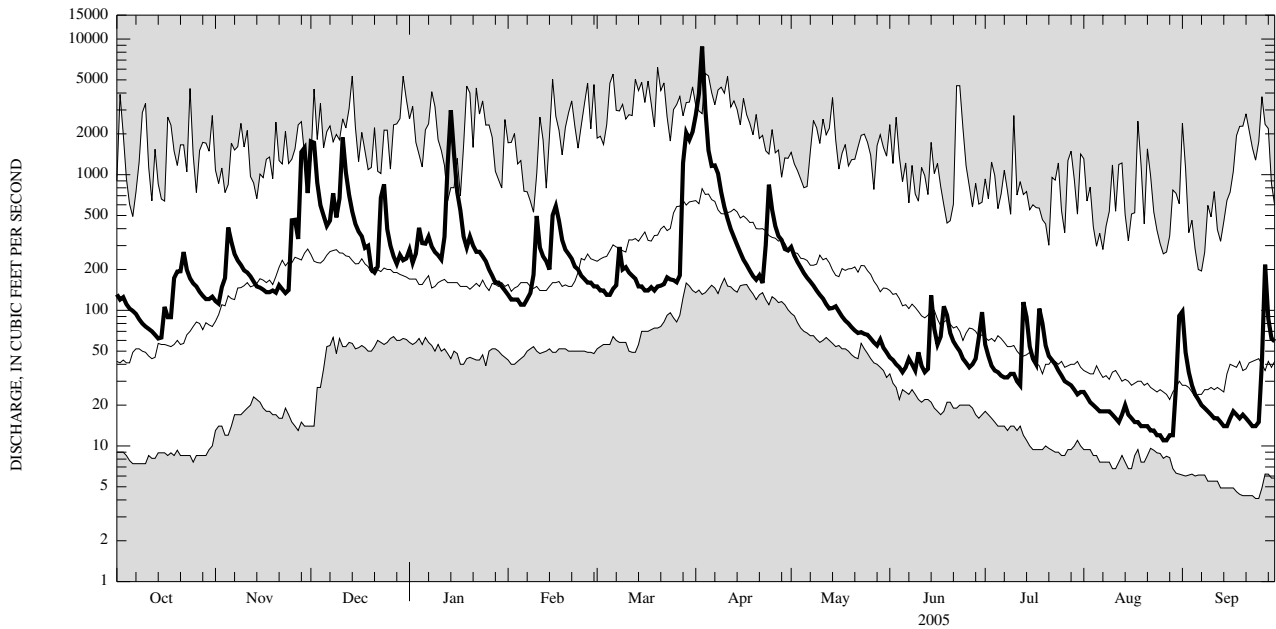
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	149	250	334	275	286	587	678	294	160	90.1	61.8	90.7
Max	713	628	841	716	764	1,302	1,693	927	773	325	406	706
(WY)	(1978)	(1960)	(1997)	(1998)	(1976)	(1945)	(1940)	(2000)	(1972)	(2004)	(2004)	(1977)
Min	9.90	23.3	66.9	55.6	63.1	178	150	80.3	24.6	12.5	8.99	5.54
(WY)	(1964)	(1954)	(1961)	(1961)	(1987)	(1941)	(1946)	(1985)	(1962)	(1962)	(1964)	(1964)

01510000 OTSELIC RIVER AT CINCINNATUS, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1938 - 2005	
Annual total	123,699		102,465			
Annual mean	338		281		271	
Highest annual mean					391	1943
Lowest annual mean					151	1995
Highest daily mean	2,830	Mar 6	8,800	Apr 3	8,800	Apr 3, 2005
Lowest daily mean	33	Jul 6	11	Aug 26	4.1	Sep 24, 1939
Annual seven-day minimum	38	Jul 1	12	Aug 23	4.3	Sep 19, 1939
Annual runoff (cfsm)	2.30		1.91		1.84	
Annual runoff (inches)	31.30		25.93		25.04	
10 percent exceeds	680		539		613	
50 percent exceeds	230		140		140	
90 percent exceeds	85		18		24	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.



Water-Data Report NY-2005

01510610 MERRILL CREEK TRIBUTARY NEAR TEXAS VALLEY, NY

Chenango Watershed

LOCATION.--Lat 42°28'03", long 75°59'19" referenced to North American Datum of 1927, Cortland County, Hydrologic Unit 02050102, at bridge on town road, 0.3 mi upstream from mouth and 1.4 mi southwest of Texas Valley.

DRAINAGE AREA.--5.32 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Annual maximum only--1976-81, 1983 to current year

GAGE.--Crest-stage partial-record station. Elevation of gage is 1,150 ft above NGVD of 1929, from topographic map.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 1,150 ft³/s, Jan. 19, 1996, gage height not available; maximum gage height, 6.64 ft, Jan. 19, 1996 (ice jam).

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 2, 2005	1,020	---	4.26	---

01511000 WHITNEY POINT LAKE AT WHITNEY POINT, NY

Chenango Watershed

LOCATION.--Lat 42°20'34", long 75°57'57" referenced to North American Datum of 1927, Broome County, Hydrologic Unit 02050102, on left bank at control-gate structure for Whitney Point Dam on Otselic River, 0.3 mi upstream from spillway, 0.9 mi upstream from mouth, and 1.0 mi north of Whitney Point.

DRAINAGE AREA.--257 mi².

WATER-STAGE RECORDS

PERIOD OF RECORD.--October 1942 to September 1985 (mean daily elevations and monthend contents), October 1985 to current year (monthend elevations and contents).

REVISED RECORDS.--WSP 2103: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by Corps of Engineers). Prior to October 1970, published as "Whitney Point Reservoir at Whitney Point".

COOPERATION.--Capacity table furnished by Corps of Engineers.

REMARKS.--Lake is formed by earthfill dam with concrete spillway, completed by Corps of Engineers in 1942 for flood control; first used for flood regulation on Mar. 9, 1942. Usable capacity 86,440 acre-ft between elevations 950.0 ft (sill of gates) and 1,010.0 ft (crest of spillway). Dead storage, 28 acre-ft. Figures given here in represent total contents. Discharge is controlled by operation of three gates. Water is stored during high flows and released when downstream conditions warrant. Lake is for flood control and recreation. Telephone and satellite gage-height and precipitation telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 73,560 acre-ft, April 5, 2005, elevation 1,005.76 ft; minimum, 36 acre-ft, Sept. 2-4, 1953, elevation 950.4 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 73,560 acre-feet, Apr. 5, elevation, 1,005.76 ft; minimum, 5,139 acre-feet, Dec. 21, elevation, 965.92 ft.

01511000 WHITNEY POINT LAKE AT WHITNEY POINT, NY—Continued

MONTH-END ELEVATION AND CONTENTS			
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005			
Date	Elevation (feet)	Contents (million ft³)	Change in contents (equivalent in ft³/s)
Sept. 30	973.14	12,863	--
Oct. 31	973.15	12,876	+0.2
Nov. 30	972.29	11,833	-17.5
Dec. 31	966.25	5,461	-104
CAL YR 2004	--	--	-0.7
Jan. 31	966.06	5,274	-3.0
Feb. 28	966.19	5,402	+2.3
Mar. 31	979.78	21,922	+267
Apr. 30	973.65	13,511	-141
May 31	973.42	13,218	-4.8
June 30	973.56	13,396	+3.0
July 31	973.23	12,977	-6.8
Aug. 31	973.31	13,079	+1.7
Sept. 30	973.33	13,104	+0.4
WTR YR 2005	--	--	+0.3

01511500 TIOUGHNIOGA RIVER AT ITASKA, NY

Chenango Watershed

LOCATION.--Lat 42°17'53", long 75°54'33" referenced to North American Datum of 1927, Broome County, Hydrologic Unit 02050102, on right bank on downstream side of bridge at Barker Hill Road at Itaska, 3.8 mi downstream from Otselic River and village of Whitney Point, 4.4 mi downstream from spillway of Whitney Point Dam, and 6.0 mi upstream from mouth.

DRAINAGE AREA.--730 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Continuous record--October 1929 to June 1967, annual maximum only--1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 917.97 ft above NGVD of 1929.

REMARKS.--Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge prior to current degree of regulation, 61,100 ft³/s, July 8, 1935, gage height, 16.61 ft (from floodmark). Maximum discharge since current degree of regulation, 22,600 ft³/s, Feb. 26, 1961, gage height, 11.15 ft.

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft ³ /s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 3, 2005	19,300	6	10.43	---

Discharge qualification code:

6 - Discharge affected by regulation or diversion

01512500 CHENANGO RIVER NEAR CHENANGO FORKS, NY

Chenango Watershed

LOCATION.--Lat 42°13'05", long 75°50'55" referenced to North American Datum of 1927, Broome County, Hydrologic Unit 02050102, on left bank in Chenango Valley State Park, and 1.2 mi downstream from Tioughnioga River and village of Chenango Forks.

DRAINAGE AREA.--1483 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1912 to current year.

GAGE.--Water-stage recorder. Datum of gage is 871.63 ft above NGVD of 1929. Nov. 11, 1912 to Oct. 1, 1914, nonrecording gage and Oct. 2, 1914 to Aug. 2, 1936, water-stage recorder at site 300 ft upstream at same datum.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Since March 1942, flood flows partly regulated by Whitney Point Lake (see station 01511000). Slight diversion from upstream tributaries for operation of Erie (Barge) Canal. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 96,000 ft³/s, July 8, 1935, gage height, 20.3 ft, from floodmarks, from rating curve extended above 32,000 ft³/s on basis of slope-area measurement of peak flow; minimum discharge, 79 ft³/s, Sept. 3, 4, 5, 6, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 45,400 ft³/s, Apr 3, gage height, 14.34 ft; minimum discharge, 139 ft³/s, Aug 27, 28, gage height, 2.34 ft.

01512500 CHENANGO RIVER NEAR CHENANGO FORKS, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,520	1,260	9,950	2,730	e1,750	e1,900	16,600	2,930	549	905	283	1,930
2	1,360	1,220	12,300	2,610	e1,650	e1,900	18,900	2,740	552	699	273	1,040
3	1,330	1,310	9,930	2,830	e1,600	e1,800	41,800	2,500	531	534	257	641
4	1,300	1,580	7,180	4,060	e1,550	e1,650	33,200	2,200	518	459	240	487
5	1,200	2,690	5,370	4,010	e1,450	e1,550	21,600	1,970	517	431	232	381
6	1,090	2,890	4,750	3,520	e1,400	e1,550	15,700	1,830	e544	472	210	337
7	1,000	2,420	4,570	3,710	e1,400	1,630	13,400	1,650	e610	806	202	310
8	966	2,090	6,560	3,420	e1,500	e2,500	12,400	1,570	e517	974	199	290
9	927	1,920	5,770	3,060	e1,900	e2,800	10,700	1,480	e490	783	254	276
10	898	1,760	6,050	2,800	e3,900	e2,600	9,160	1,370	e455	787	289	259
11	858	1,710	14,100	2,660	e5,000	e2,300	8,070	1,230	874	603	228	245
12	833	1,660	11,600	2,790	3,740	e2,200	7,240	1,090	558	520	209	235
13	811	1,570	9,130	6,670	e3,000	e2,100	6,580	1,030	663	597	202	230
14	786	1,420	7,260	16,100	e2,650	e1,950	5,960	1,010	2,270	878	221	225
15	798	1,310	5,330	13,000	3,830	e1,800	4,960	1,040	1,790	779	236	218
16	1,120	1,280	4,430	10,300	e5,200	e1,700	3,440	1,030	1,180	655	210	219
17	1,250	1,250	4,050	7,880	e5,800	e1,650	3,120	974	1,250	555	195	237
18	1,130	1,210	3,330	6,160	e4,300	e1,700	2,570	914	1,480	510	183	285
19	1,400	1,160	3,080	5,110	e3,300	1,680	1,860	867	1,460	472	176	242
20	2,010	1,160	2,730	e4,100	e3,100	1,780	1,740	828	1,150	454	172	230
21	2,650	1,230	e2,300	e3,600	e2,980	1,900	1,730	801	924	399	173	218
22	3,140	1,300	e2,250	e3,200	2,900	1,990	1,600	793	773	380	175	206
23	2,530	1,250	3,440	e2,600	2,710	2,400	2,050	793	728	398	168	191
24	2,040	1,230	7,650	e2,600	e2,300	2,420	5,770	793	648	389	160	179
25	1,760	2,940	5,380	e2,700	e2,200	2,340	6,010	794	589	374	157	174
26	1,580	5,130	3,730	e2,400	2,090	2,190	4,650	793	553	353	149	212
27	1,480	4,010	e2,850	e2,200	e2,000	2,390	3,660	736	503	311	143	586
28	1,380	8,060	e2,800	e2,100	e1,900	9,310	3,270	642	480	296	146	790
29	1,280	11,400	e2,600	e2,000	---	14,900	2,910	644	712	281	151	650
30	1,270	8,740	2,580	e1,900	---	13,900	2,600	609	1,690	275	466	703
31	1,310	---	2,460	e1,850	---	15,100	---	572	---	266	1,050	---
Total	43,007	78,160	175,510	134,670	77,100	107,580	273,250	38,223	25,558	16,595	7,409	12,226
Mean	1,387	2,605	5,662	4,344	2,754	3,470	9,108	1,233	852	535	239	408
Max	3,140	11,400	14,100	16,100	5,800	15,100	41,800	2,930	2,270	974	1,050	1,930
Min	786	1,160	2,250	1,850	1,400	1,550	1,600	572	455	266	143	174

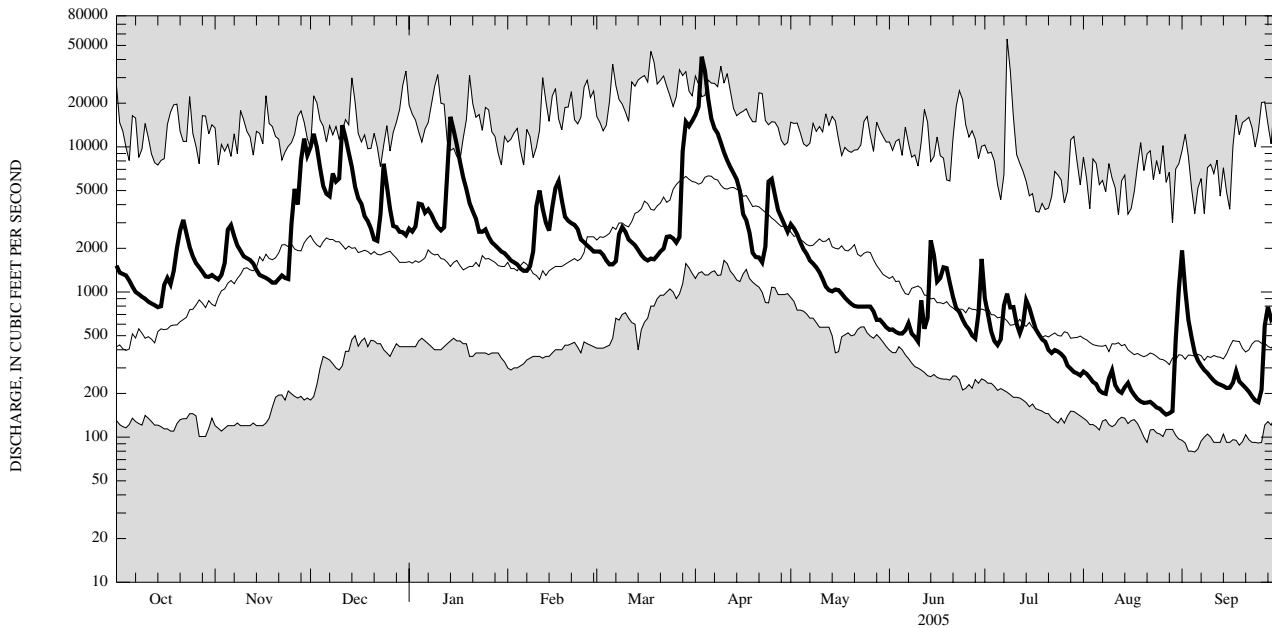
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,300	2,259	2,781	2,641	2,644	5,319	5,748	2,630	1,509	939	669	805
Max	7,210	6,167	7,534	7,361	7,688	12,560	15,330	6,836	7,439	5,713	3,637	5,766
(WY)	(1978)	(1928)	(1997)	(1913)	(1976)	(1936)	(1993)	(2000)	(1917)	(1935)	(2004)	(1977)
Min	155	168	525	445	472	1,977	1,317	770	312	175	133	107
(WY)	(1940)	(1965)	(1961)	(1961)	(1980)	(1937)	(1946)	(1985)	(1999)	(1939)	(1999)	(1939)

01512500 CHENANGO RIVER NEAR CHENANGO FORKS, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1913 - 2005	
Annual total	1,185,475		989,288			
Annual mean	3,239		2,710		2,436	
Highest annual mean					3,618	1943
Lowest annual mean					1,307	1965
Highest daily mean	16,600	Sep 18	41,800	Apr 3	55,400	Jul 8, 1935
Lowest daily mean	440	Jul 5	143	Aug 27	79	Sep 5, 1999
Annual seven-day minimum	476	Jul 1	153	Aug 23	86	Sep 1, 1999
10 percent exceeds	7,010		6,090		6,000	
50 percent exceeds	2,470		1,520		1,320	
90 percent exceeds	1,010		239		302	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01513500 SUSQUEHANNA RIVER AT VESTAL, NY

Owego Wappasening Watershed

LOCATION.--Lat 42°05'27", long 76°03'23" referenced to North American Datum of 1927, Broome County, Hydrologic Unit 02050103, on left bank 400 ft downstream from County Highway 48 bridge, at Vestal, and 800 ft upstream from Choconut Creek.

DRAINAGE AREA.--3941 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Continuous record--March 1937 to June 1967, annual maximum only 1968-72, 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is 799.19 ft above NGVD of 1929 (levels by Corps of Engineers).

REMARKS.--Satellite and telephone telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 107,000 ft³/s, March 18, 1936, gage height, 30.50 ft (estimated).

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 3, 2005	97,000	---	29.14	---

01513831 SUSQUEHANNA RIVER AT OWEGO, NY

Owego Wappasening Watershed

LOCATION.--Lat 42°05'50", long 76°16'06" referenced to North American Datum of 1927, Tioga County, Hydrologic Unit 02050103, on right bank in pumphouse for village sewage treatment plant, 0.4 mi downstream from bridge on State Highway 96, at Owego.

DRAINAGE AREA.--4216 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Annual maximum only—1988-96, 1999 to current year.

GAGE--Water-stage recorder. Datum of gage is 776.64 ft above NGVD of 1929.

REMARKS.--Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 107,000 ft³/s, March 18, 1936, gage height not available; maximum gage height recorded, 33.15 ft, Apr. 3, 2005.

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 3, 2005	101,000	---	33.15	---

01514000 OWEGO CREEK NEAR OWEGO, NY

Owego Wappasening Watershed

LOCATION.--Lat 42°07'45", long 76°16'15" referenced to North American Datum of 1927, Tioga County, Hydrologic Unit 02050103, on right bank of right channel 300 ft upstream from bridge on State Highway 96, 0.5 mi upstream from Catatonk Creek, and 1.5 mi north of Owego.

DRAINAGE AREA.--185 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Continuous record--January 1930 to September 1978, annual maximum only--1979 to current year.

GAGE.--Water-stage recorder. Datum of gage is 819.82 ft above NGVD of 1929.

REMARKS.--Satellite and telephone telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,500 ft³/s, July 8, 1935, gage height, 11.50 ft, from floodmark; maximum gage height 11.66 ft, Jan. 19, 1996 (ice jam).

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 3, 2005	7,150	---	8.54	---

01514801 CATATONK CREEK NEAR OWEGO, NY

Owego Wappasening Watershed

LOCATION.--Lat 42°08'18", long 76°17'23" referenced to North American Datum of 1927, Tioga County, Hydrologic Unit 02050103, on right bank 0.4 mi downstream from bridge on County Highway 23 (Glen Mary Drive), 1.4 mi north of Owego, and 1.2 mi upstream from mouth.

DRAINAGE AREA.--151 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Annual maximum only--1988 to current year.

GAGE.--Crest-stage partial-record station. Elevation of gage is 810 ft above NGVD of 1929, from topographic map.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,200 ft³/s, Jan. 20, 1996, gage height, 14.83 ft.

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 3, 2005	8,070	---	12.82	---

01515000 SUSQUEHANNA RIVER NEAR WAVERLY, NY

Owego Wappasening Watershed

LOCATION.--Lat 41°59'05", long 76°30'05" referenced to North American Datum of 1927, Bradford County, Pa., Hydrologic Unit 02050103, on left bank 0.2 mi upstream from Cayuta Creek, 0.4 mi upstream from bridge on East Lockhart Street at Sayre, Pa., 1 mi downstream from New York-Pennsylvania State line, and 2 mi southeast of Waverly.

DRAINAGE AREA.--4,773 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1937 to March 1995, April 1995 to September 2000 (annual maximum only), October 2000 to current year.

REVISED RECORDS.--WSP 2103: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 743.96 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). Prior to November 1939, at datum 1.00 ft higher.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Minor regulation by upstream lakes and reservoirs. Slight diversion from upstream tributaries for operation of Erie (Barge) Canal. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 121,000 ft³/s, June 23, 1972, gage height 21.24 ft; minimum instantaneous discharge not determined.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1936 reached a stage of about 21.4 ft, from flood profile (discharge, 128,000 ft³/s).

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 52,000 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 14	2315	63,700	14.53
Mar 29	2300	66,600	15.08
Apr 03	2345	*105,000	*20.88

Minimum discharge, 456 ft³/s, Aug 29, gage height, 0.76 ft.

01515000 SUSQUEHANNA RIVER NEAR WAVERLY, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	8,110	5,240	28,300	9,660	e6,500	7,190	53,700	10,400	2,420	2,980	844	4,310
2	7,040	4,940	36,500	9,650	e6,300	6,750	58,300	10,200	2,350	2,420	843	5,060
3	6,620	4,840	32,000	9,680	e6,000	e6,300	94,000	9,810	2,190	2,130	808	4,050
4	6,190	5,090	25,200	14,800	e5,850	e6,300	100,000	9,050	2,040	1,790	776	2,750
5	5,800	6,430	19,300	15,500	e5,750	e5,900	80,400	8,250	1,920	1,640	754	1,950
6	5,340	8,000	16,300	14,500	e5,700	5,800	61,300	7,610	1,900	1,630	717	1,450
7	4,810	8,100	15,200	14,800	e5,650	5,860	43,200	7,070	2,000	1,590	681	1,170
8	4,370	7,610	17,600	13,900	5,920	8,360	34,900	6,490	2,020	2,220	642	1,020
9	4,100	6,860	18,300	13,700	7,600	e10,000	30,500	6,160	1,960	5,610	616	905
10	3,890	6,310	19,200	11,800	e15,400	e9,800	26,200	5,780	e1,950	4,910	613	820
11	3,680	5,920	37,900	11,000	e17,000	8,710	22,900	5,390	e2,370	4,080	670	752
12	3,460	5,770	39,200	11,100	e15,800	8,300	20,300	4,900	e2,450	3,080	663	699
13	3,290	5,630	31,900	18,700	13,400	8,060	18,200	4,600	e2,090	2,500	711	661
14	3,180	5,400	25,200	50,500	11,000	7,610	16,000	4,340	1,980	2,500	787	628
15	3,110	5,070	20,100	55,500	13,300	6,920	14,100	4,240	3,930	2,410	986	599
16	3,560	4,790	16,400	40,700	e20,000	6,700	11,700	4,400	4,720	2,290	842	e590
17	5,030	4,630	14,400	29,600	23,300	6,460	9,960	4,270	3,730	2,430	721	e590
18	5,080	4,520	12,900	22,500	19,500	6,540	9,100	4,120	3,450	3,050	671	e580
19	6,080	4,400	11,400	16,500	e15,000	6,640	8,120	3,820	3,950	2,440	618	e580
20	9,240	4,280	10,100	12,700	e12,500	6,950	7,160	3,480	4,090	2,020	570	654
21	8,890	4,270	e8,400	11,000	11,400	8,300	6,910	3,200	3,540	1,760	538	711
22	10,500	4,320	e7,100	9,850	10,800	8,410	6,650	3,060	2,930	1,520	515	679
23	10,300	4,340	8,950	e7,400	10,300	9,760	6,750	2,970	2,460	1,340	521	628
24	8,900	4,320	20,300	e7,500	9,210	9,920	14,000	2,920	2,170	1,260	509	582
25	7,580	7,070	20,000	e8,100	8,720	9,910	19,500	3,040	1,960	1,220	503	540
26	6,740	12,800	15,200	e9,100	7,700	9,820	17,400	3,080	1,790	1,240	510	540
27	6,160	13,500	11,900	e8,500	7,240	10,200	13,700	3,070	1,660	1,260	500	593
28	5,730	22,200	9,260	e7,500	7,170	29,100	12,000	3,040	1,520	1,140	478	705
29	5,350	38,700	8,120	e7,200	---	61,700	11,300	2,910	1,600	996	462	1,290
30	5,400	29,100	8,560	e6,900	---	62,400	10,700	2,770	1,950	918	670	1,500
31	5,620	---	9,570	e7,000	---	55,700	---	2,620	---	870	1,360	---
Total	183,150	254,450	574,760	486,840	304,010	420,370	838,950	157,060	75,090	67,244	21,099	37,586
Mean	5,908	8,482	18,540	15,700	10,860	13,560	27,960	5,066	2,503	2,169	681	1,253
Max	10,500	38,700	39,200	55,500	23,300	62,400	100,000	10,400	4,720	5,610	1,360	5,060
Min	3,110	4,270	7,100	6,900	5,650	5,800	6,650	2,620	1,520	870	462	540
Cfsm	1.24	1.78	3.88	3.29	2.27	2.84	5.86	1.06	0.52	0.45	0.14	0.26
In.	1.43	1.98	4.48	3.79	2.37	3.28	6.54	1.22	0.59	0.52	0.16	0.29

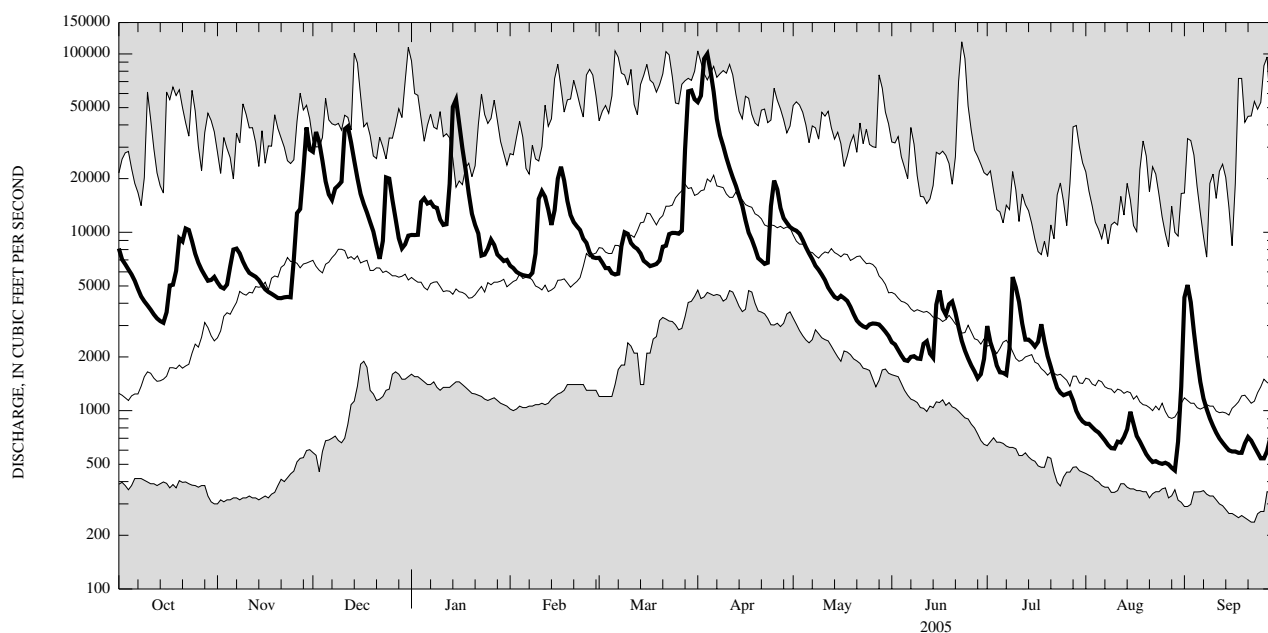
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	4,052	6,990	9,114	7,688	8,712	16,030	18,520	9,128	5,152	2,646	2,019	2,741
Max	25,090	17,130	19,820	18,670	23,870	33,430	46,500	22,140	22,550	8,979	11,660	17,800
(WY)	(1978)	(1973)	(1973)	(1979)	(1976)	(1945)	(1993)	(1943)	(1972)	(2004)	(2004)	(1977)
Min	392	382	1,835	1,319	1,472	6,763	3,962	2,418	1,155	589	384	326
(WY)	(1965)	(1965)	(1965)	(1961)	(1980)	(1941)	(1946)	(1985)	(1939)	(1962)	(1964)	(1964)

01515000 SUSQUEHANNA RIVER NEAR WAVERLY, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1937 - 2005	
Annual total	4,075,740		3,420,609			
Annual mean	11,140		9,372		7,736	
Highest annual mean					12,190	2004
Lowest annual mean					3,745	1965
Highest daily mean	72,900	Sep 18	100,000	Apr 4	117,000	Jun 23, 1972
Lowest daily mean	1,660	Jul 7	462	Aug 29	237	Sep 22, 1964
Annual seven-day minimum	1,880	Jul 1	498	Aug 23	248	Sep 17, 1964
Maximum peak flow					121,000	Jun 23, 1972
Maximum peak stage					21.24	Jun 23, 1972
Annual runoff (cfsm)	2.33		1.96		1.62	
Annual runoff (inches)	31.77		26.66		22.02	
10 percent exceeds	21,800		20,000		18,200	
50 percent exceeds	8,560		5,800		4,370	
90 percent exceeds	3,640		711		848	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.



Water-Data Report NY-2005

01520500 TIOGA RIVER NEAR LINDLEY, NY

Tioga Watershed

LOCATION.--Lat 42°01'43", long 77°07'57" referenced to North American Datum of 1927, Steuben County, Hydrologic Unit 02050104, on left bank 50 ft. downstream from bridge on County Highway 120 at Lindley, and 6 mi upstream from Canisteo River.

DRAINAGE AREA.--771 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Continuous record--January 1930 to March 1995, annual maximum only--1996 to current year.

REVISED RECORDS.--WSP 871: 1938. WSP 2103: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 964.50 ft above NGVD of 1929.

REMARKS.--Satellite and telephone telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge prior to construction of Tioga Reservoir in 1979, 128,000 ft³/s, June 23, 1972, gage height 26.27 ft, from floodmark; maximum discharge since construction of Tioga Reservoir in 1979, 13,900 ft³/s, Sept. 17, 2004, gage height, 13.81 ft.

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 5, 2005	11,300	---	12.99	---

01521500 CANISTEO RIVER AT ARKPORT, NY

Tioga Watershed

LOCATION.--Lat 42°23'45", long 77°42'42" referenced to North American Datum of 1927, Steuben County, Hydrologic Unit 02050104, on left bank 0.2 mi downstream from Arkport Dam, and 0.9 mi west of Arkport.

DRAINAGE AREA.--30.6 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1937 to current year.

REVISED RECORDS.--WSP 1552: 1952-57. WSP 2103: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 1,202.85 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Since March 1940, flows above 500 ft³/s controlled by detention in Arkport Reservoir. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, prior to construction of Arkport Reservoir in 1940, 2,000 ft³/s, Mar. 5, 1938, Feb. 20, 1939; maximum gage height, 5.63 ft, Feb. 19, 1939 (ice jam); practically no flow July 30, 1938, Sept. 30, 1939 (result of construction operations). Maximum discharge, since construction of Arkport Reservoir in 1940, 1,740 ft³/s, Feb. 11, 1966.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 8, 1935, reached a discharge of 4,820 ft³/s, on basis of slope-area measurement.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 688 ft³/s, Jan 14, gage height, 3.04 ft; minimum discharge, 1.2 ft³/s, on several days, gage height, 0.62 ft.

01521500 CANISTEO RIVER AT ARKPORT, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	7.1	6.8	183	60	e15	e12	367	58	5.6	4.6	1.8	43
2	6.8	7.4	75	37	e16	e11	420	37	5.3	3.5	1.7	14
3	6.6	54	46	56	e16	e10	634	34	5.6	3.0	1.8	7.3
4	6.5	28	35	139	17	e9.0	467	30	5.6	2.8	1.7	4.9
5	6.1	27	41	60	17	e8.0	197	24	5.4	3.8	1.6	3.6
6	5.7	27	33	53	16	e7.0	175	22	5.2	5.9	1.6	2.9
7	5.6	24	48	74	21	40	116	20	5.1	3.7	1.6	2.6
8	5.2	20	63	49	122	222	82	18	4.4	49	1.5	2.3
9	4.8	18	37	42	151	e90	54	18	4.9	23	1.5	2.2
10	4.8	17	143	40	100	e60	42	14	7.1	9.2	1.5	2.1
11	4.8	17	162	38	e55	e50	34	13	7.5	5.8	1.4	1.9
12	4.8	16	84	140	e35	e40	29	12	15	4.4	1.5	1.8
13	4.8	13	59	492	e30	e35	25	10	13	3.5	2.1	1.8
14	4.8	11	45	633	e20	e32	22	10	7.4	3.0	2.3	1.7
15	6.6	10	34	123	e80	e30	20	15	5.9	2.8	2.2	1.7
16	7.2	10	28	47	86	e24	18	14	13	2.8	2.0	1.8
17	6.5	9.7	26	e40	53	e28	17	11	15	4.0	1.7	1.9
18	6.4	9.5	e25	e20	e32	e30	16	9.8	15	5.1	1.6	1.8
19	28	9.4	e20	e18	e30	25	15	8.9	9.3	3.0	1.5	1.8
20	15	9.0	e18	e15	e28	41	15	8.4	7.2	2.5	1.6	2.9
21	11	9.0	e16	e13	e24	61	22	8.3	5.7	2.3	1.5	2.6
22	10	8.6	21	e12	26	65	19	9.5	5.0	2.5	1.4	2.0
23	8.6	8.4	e200	e11	24	65	112	8.9	4.3	2.7	1.5	2.1
24	7.5	12	e150	e10	e20	47	202	8.9	3.8	2.4	1.4	1.9
25	7.4	23	e30	e10	e18	52	76	9.8	3.3	2.2	1.3	1.9
26	6.9	17	e26	e18	e18	66	46	8.0	3.0	2.2	1.3	10
27	6.5	14	e24	e16	e16	87	34	7.1	2.9	3.0	1.3	14
28	6.1	142	e20	e15	e14	269	28	6.7	2.9	2.9	1.5	5.3
29	5.9	54	e16	e15	---	271	23	7.0	5.2	2.4	1.5	11
30	8.2	32	e12	e14	---	202	63	6.4	8.1	2.1	4.7	8.9
31	7.8	---	55	e14	---	318	---	6.0	---	1.9	156	---
Total	234.0	663.8	1,775	2,324	1,100	2,307.0	3,390	473.7	206.7	172.0	207.6	163.7
Mean	7.55	22.1	57.3	75.0	39.3	74.4	113	15.3	6.89	5.55	6.70	5.46
Max	28	142	200	633	151	318	634	58	15	49	156	43
Min	4.8	6.8	12	10	14	7.0	15	6.0	2.9	1.9	1.3	1.7

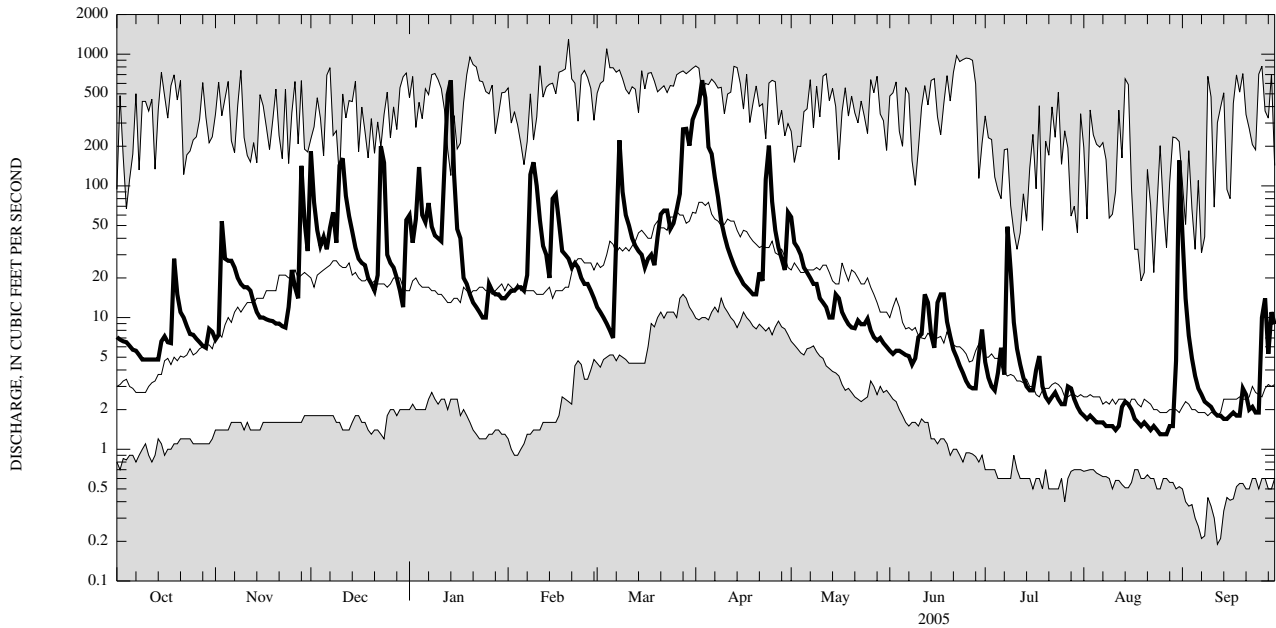
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	16.2	29.8	39.3	38.1	45.2	85.1	83.1	41.0	26.9	8.68	7.00	11.2
Max	98.4	106	132	121	195	188	205	144	245	56.3	58.6	151
(WY)	(1977)	(1951)	(1973)	(1998)	(1976)	(1942)	(1993)	(1943)	(1972)	(2003)	(1984)	(1977)
Min	1.09	1.62	1.67	1.85	8.28	24.9	10.9	5.81	1.57	0.82	0.67	0.59
(WY)	(1942)	(1961)	(1961)	(1961)	(1958)	(1981)	(1946)	(1955)	(1955)	(1955)	(2001)	(1995)

01521500 CANISTEO RIVER AT ARKPORT, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1937 - 2005	
Annual total	18,419.1		13,017.5			
Annual mean	50.3		35.7		35.9	
Highest annual mean					56.9	2004
Lowest annual mean					20.9	1955
Highest daily mean	696	Sep 18	634	Apr 3	1,300	Feb 20, 1939
Lowest daily mean	3.2	Jul 12	1.3	Aug 25	0.19	Sep 12, 1995
Annual seven-day minimum	3.8	Jul 7	1.4	Aug 21	0.28	Sep 7, 1995
10 percent exceeds	124		75		78	
50 percent exceeds	20		13		12	
90 percent exceeds	6.4		1.9		1.8	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01521596 BIG CREEK NEAR HOWARD, NY

Tioga Watershed

LOCATION.--Lat 42°22'01", long 77°34'33" referenced to North American Datum of 1927, Steuben County, Hydrologic Unit 02050104, at bridge on Town road, 0.1 mi south of State Highway 70, 1.3 mi north of Butcher Corner, 3.4 mi west of Howard, and 6.2 mi upstream from mouth.

DRAINAGE AREA.--6.32 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Annual maximum only--1977 to current year.

GAGE.--Crest-stage partial-record station. Elevation of gage is 810 ft above NGVD of 1929, from topographic map.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 1,600 ft³/s, Jan. 19, 1996; maximum gage height, 16.23, Jan. 19, 1996 ft (ice jam and at previous datum).

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 2, 2005	340	---	3.00	---

01523000 ALMOND LAKE NEAR ALMOND, NY

Tioga Watershed

LOCATION.--Lat 42°20'56", long 77°42'10" referenced to North American Datum of 1927, Steuben County, Hydrologic Unit 02050104, at Almond Dam on Canacadea Creek, 2.0 mi northeast of Almond, and 3.0 mi upstream from mouth. Located adjacent to NYS highway 21, between Hornell and Almond, N.Y.

DRAINAGE AREA.--55.8 mi².

WATER-STAGE RECORDS

PERIOD OF RECORD.--July 1949 to September 1952 (monthly elevations and contents), October 1952 to September 1985 (mean daily elevations and monthend contents), October 1985 to current year (monthend elevations and contents). Prior to October 1970, published as "Almond Reservoir near Almond".

REVISED RECORDS.--WSP 2103: Drainage area.

GAGE.--Water stage recorder. Datum of gage is NGVD of 1929 (levels by Corps of Engineers).

COOPERATION.--Capacity table furnished by Corps of Engineers.

REMARKS.--Lake is formed by earthfill dam with concrete spillway, completed by Corps of Engineers in June 1949 for flood control; first used for flood regulation on Mar. 28, 1950. Usable capacity, 14,800 acre-ft between elevations 1,229.0 ft (sill of gates) and 1,300.0 ft (crest of spillway). No dead storage. Figures given herein represent usable contents. Discharge is controlled by the operation of three gates. Water is stored during high flows and released when downstream conditions warrant. Lake is used for flood control and recreation. Telephone and satellite gage-height and precipitation telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 14,100 acre-ft, June 23, 1972, elevation, 1,298.58 ft; no contents for many days each year 1949-65.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 6,154 acre-ft, Apr. 4, elevation, 1,278.69 ft; minimum, 1,651 acre-ft, Mar. 2, elevation, 1,259.34 ft.

01523000 ALMOND LAKE NEAR ALMOND, NY—Continued

MONTH-END ELEVATION AND CONTENTS			
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005			
Date	Elevation (feet) *	Contents (million ft³)	Change in contents (equivalent in ft³/s)
Sept. 30	1,260.16	1,776	
Oct. 31	1,260.38	1,811	+0.6
Nov. 30	1,260.41	1,816	+0.1
Dec. 31	1,261.29	1,959	+2.3
CAL YR 2004	--	--	+0.2
Jan. 31	1,260.53	1,835	-31.5
Feb. 28	*1,260.47	1,825	-0.2
Mar. 31	1,264.85	2,620	+12.9
Apr. 30	1,260.87	1,889	-12.3
May 31	1,259.86	1,729	-2.6
June 30	1,260.46	1,823	+1.6
July 31	1,260.57	1,841	+0.3
Aug. 31	1,262.91	2,244	+6.5
Sept. 30	1,260.89	1,892	-5.9
WTR YR 2005	--	--	+0.2

* Elevation at 2300 on February 23.

01523500 CANACADEA CREEK NEAR HORNELL, NY

Tioga Watershed

LOCATION.--Lat 42°20'05", long 77°41'00" referenced to North American Datum of 1927, Steuben County, Hydrologic Unit 02050104, on right bank 35 ft downstream from bridge on State Highway 21, 1.2 mi west of Hornell, 1.5 mi downstream from Almond Dam, and 2.0 mi upstream from mouth.

DRAINAGE AREA.--57.9 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1940 to December 1942, October 1944 to current year.

REVISED RECORDS.--WSP 2103: Drainage area. WDR NY 1971: 1969 (M).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 1,185.68 ft above NGVD of 1929. Oct. 23, 1940 to Dec. 31, 1942, at site 185 ft upstream at different datum.

REMARKS.--Records fair. Since October 1948, floodflows regulated by detention in Almond Lake (see station 01523000). Occasional regulation at low flows to clear debris from gates at Almond Lake. Monthly figures for 1952-66 water years adjusted for regulation. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, prior to construction of Almond Reservoir in 1949, 9,430 ft³/s, May 17, 1945, gage height, 5.14 ft, from rating curve extended above 3,400 ft³/s; maximum gage height, 6.65 ft, June 3, 1947; minimum discharge, 3.4 ft³/s, Oct. 2, 1941. Maximum discharge, since construction of Almond Reservoir in 1949, 5,880 ft³/s, June 23, 1972, gage height 6.14 ft; minimum discharge, 0.37 ft³/s, July 23, 2004.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 8, 1935, reached a stage of 16.61 ft, from floodmarks, discharge, 21,000 ft³/s, on basis of slope-area measurement of peak flow.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,340 ft³/s, Apr 5, gage height, 3.21 ft; minimum discharge, 5.6 ft³/s, Jun 16, Aug 16, 17, gage height, 0.83 ft.

01523500 CANACADEA CREEK NEAR HORSELL, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	e13	18	184	106	e35	53	647	114	18	16	13	241
2	e15	23	350	112	e35	31	398	74	18	21	12	43
3	e20	37	157	e83	35	19	44	49	18	20	10	32
4	e20	46	56	217	35	21	676	49	19	18	10	21
5	22	46	50	176	35	21	1,180	49	16	17	8.2	15
6	19	75	65	131	36	20	878	61	14	17	8.5	14
7	13	83	71	127	37	73	267	56	14	17	8.3	10
8	13	63	103	126	61	190	174	39	17	132	6.1	8.9
9	13	38	116	98	256	163	119	34	19	89	14	9.1
10	13	25	125	81	425	89	66	33	7.9	36	19	8.4
11	13	21	497	80	123	88	71	33	6.6	19	18	8.4
12	13	21	134	171	73	84	67	34	7.2	14	16	13
13	13	21	149	433	71	83	45	31	7.5	14	12	14
14	13	21	132	159	74	83	39	25	12	14	6.7	11
15	27	21	82	918	74	61	40	24	19	14	7.7	11
16	32	21	39	895	197	36	40	24	24	14	6.9	11
17	32	21	38	263	145	36	40	24	21	14	6.1	9.9
18	32	21	38	88	76	36	40	24	12	14	6.5	9.3
19	42	18	48	88	53	37	39	24	23	14	7.0	9.8
20	73	12	53	54	51	39	40	24	26	14	7.6	9.6
21	47	15	52	28	52	96	40	24	17	14	7.6	8.6
22	27	22	51	36	49	120	41	24	17	14	6.7	9.2
23	27	23	287	37	49	118	79	24	17	14	11	9.4
24	27	24	356	e40	50	116	248	24	17	14	11	9.2
25	27	29	106	e35	50	114	164	24	17	14	12	9.2
26	22	49	74	e35	50	115	76	24	17	14	12	10
27	20	48	58	e35	51	117	64	24	17	12	11	9.8
28	20	225	42	e33	51	280	50	20	24	11	9.8	9.7
29	16	154	40	e30	---	488	49	18	15	11	10	22
30	14	48	49	e30	---	427	56	18	12	12	10	37
31	13	---	54	35	---	521	---	18	---	12	174	---
Total	711	1,289	3,656	4,780	2,329	3,775	5,777	1,067	489.2	670	478.7	643.5
Mean	22.9	43.0	118	154	83.2	122	193	34.4	16.3	21.6	15.4	21.4
Max	73	225	497	918	425	521	1,180	114	26	132	174	241
Min	13	12	38	28	35	19	39	18	6.6	11	6.1	8.4

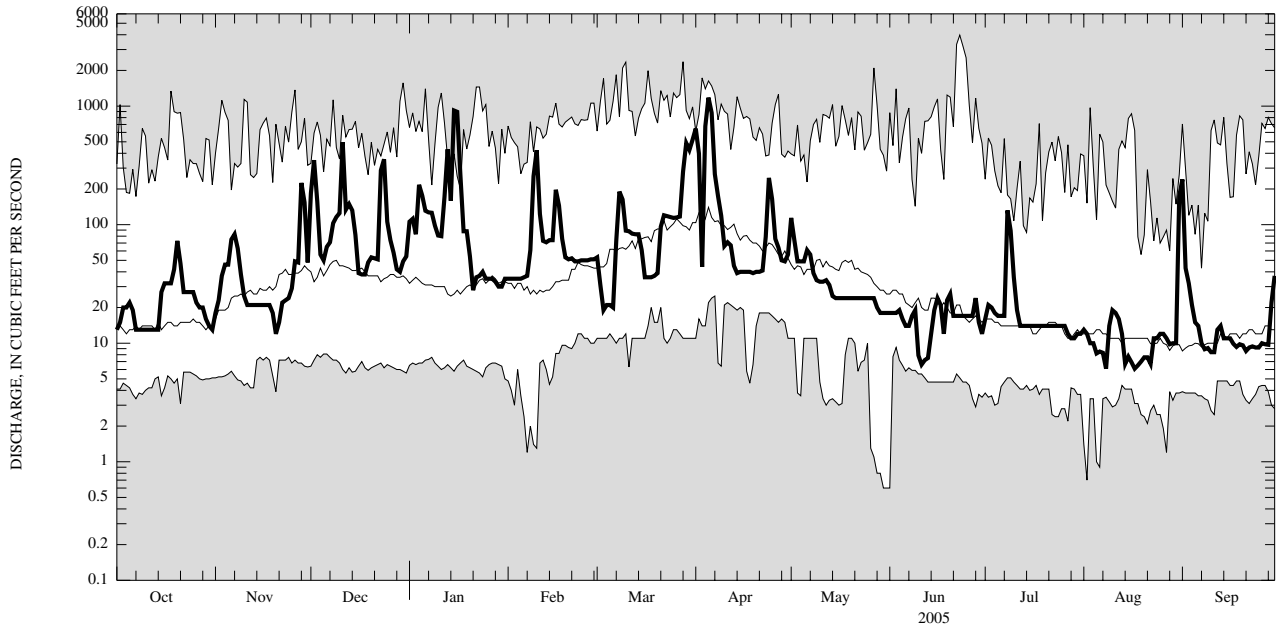
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	33.3	58.9	72.0	69.9	80.8	146	146	72.2	57.4	24.0	20.8	27.9
Max	139	193	218	215	278	306	470	215	547	111	128	198
(WY)	(1977)	(1951)	(1973)	(1996)	(1976)	(1956)	(1993)	(1984)	(1972)	(1972)	(1984)	(1977)
Min	7.07	9.16	7.13	6.55	17.7	33.4	46.0	15.5	5.24	4.63	5.13	6.09
(WY)	(1950)	(1961)	(1961)	(1961)	(1980)	(1969)	(1955)	(1955)	(1965)	(1965)	(1965)	(1955)

01523500 CANACADEA CREEK NEAR HORNELLS, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1949 - 2005	
Annual total	33,354.9		25,665.4			
Annual mean	91.1		70.3		67.2	
Highest annual mean					110	1972
Lowest annual mean					36.9	1965
Highest daily mean	828	Sep 19	1,180	Apr 5	3,970	Jun 23, 1972
Lowest daily mean	5.0	Jul 7	6.1	Aug 8	0.60	May 30, 1965
Annual seven-day minimum	12	Jul 5	6.9	Aug 16	0.83	May 26, 1965
10 percent exceeds	197		151		149	
50 percent exceeds	46		31		27	
90 percent exceeds	16		10		8.2	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01522075 CANACADEA CREEK AT ALFRED, NY

Tioga Watershed

LOCATION.--Lat 42°15'13", long 77°47'24" referenced to North American Datum of 1927, Allegany County, Hydrologic Unit 02050104, at culvert off Saxon Road, on Alfred University campus, at Alfred.

DRAINAGE AREA.--1.28 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Annual maximum only--1999 to current year.

GAGE.--Crest-stage partial-record station. Elevation of gage is 1,720 ft above NGVD of 1929, from topographic map.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 207 ft³/s, May 24, 2004, gage height 2.67 ft; maximum gage height, 4.85 ft, Mar. 20, 2003, discharge not determined.

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 2, 2005	120	---	2.28	---

01524500 CANISTEO RIVER BELOW CANACADEA CREEK, AT HORNELL, NY

Tioga Watershed

LOCATION.--Lat 42°18'50", long 77°39'05" referenced to North American Datum of 1927, Steuben County, Hydrologic Unit 02050104, on right bank 235 ft upstream from Erie Railroad bridge in Hornell, 0.3 mi upstream from Crosby Creek, and 1.5 mi downstream from Canacadea Creek.

DRAINAGE AREA.--158 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1942 to current year.

REVISED RECORDS.--WDR NY-86-3: 1971 (including minimum daily).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 1,131.32 ft above NGVD of 1929.

COOPERATION.--Records of diversion from Carrington Creek furnished by City of Hornell.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Diversion from Carrington Creek, a tributary upstream from station, by City of Hornell for municipal supply; effluent from wastewater treatment plant enters river downstream from gage. Since Nov. 1939, flood flows regulated by Arkport Reservoir (see station 01521000), and, since October 1948, by Almond Lake (see station 01523000); normal regulation occasionally sufficient to affect figures of monthly runoff. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, prior to construction of Almond Reservoir in 1949, 9,340 ft³/s, May 26, 1943, gage height 13.30 ft, from rating curve extended above 7,600 ft³/s on the basis of critical-depth measurement of peak flow; minimum discharge, 9.3 ft³/s, Mar. 4, 1947. Maximum discharge, since construction of Almond Reservoir, 9,560 ft³/s, June 23, 1972, gage height, 13.45 ft, from floodmark, from rating curve extended above 7,600 ft³/s on the basis of critical-depth measurement of peak flow; minimum discharge, 7.4 ft³/s, Sept. 13, 14, 1955.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,890 ft³/s, Apr 3, gage height, 4.72 ft; minimum discharge, 18 ft³/s, Aug 5, gage height, 0.46 ft.

01524500 CANISTEO RIVER BELOW CANACADEA CREEK, AT HORSELL, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	73	58	517	263	107	137	1,480	312	48	36	27	355
2	72	67	549	225	106	116	1,760	212	46	37	26	98
3	71	136	306	e223	102	92	1,950	173	46	34	24	63
4	67	129	174	523	96	92	1,870	165	46	32	22	47
5	65	160	168	338	103	88	2,050	152	43	44	19	36
6	61	160	168	277	105	90	1,580	157	40	50	19	35
7	53	159	185	339	115	181	718	149	40	38	20	30
8	51	132	255	283	251	714	502	124	39	239	20	28
9	50	97	215	236	621	396	367	112	41	186	26	28
10	49	77	423	214	707	246	269	105	32	77	30	27
11	48	69	1,000	209	298	215	241	100	37	48	30	27
12	47	67	426	456	208	203	231	95	50	36	29	30
13	46	64	355	1,640	178	192	187	88	57	33	34	31
14	46	61	293	1,520	177	181	167	81	41	34	27	28
15	65	61	211	1,390	323	161	158	88	44	33	25	28
16	78	61	151	1,130	466	125	154	83	67	36	24	28
17	70	61	146	446	320	125	146	77	78	35	22	27
18	68	61	126	e210	210	130	140	72	63	37	21	26
19	132	58	146	e200	190	139	134	69	62	33	21	27
20	129	50	e125	196	171	169	134	68	61	31	22	31
21	106	54	e120	145	168	286	147	67	47	31	22	27
22	79	62	131	140	153	309	137	69	46	32	20	26
23	74	59	703	161	142	349	315	68	44	31	22	27
24	70	65	780	156	137	290	732	68	43	29	22	26
25	69	96	227	145	157	316	438	67	42	30	21	25
26	64	108	179	133	141	349	248	62	41	31	22	46
27	57	104	152	125	130	415	208	59	39	31	22	48
28	58	498	126	e110	135	1,040	173	55	45	28	22	34
29	52	327	129	e110	---	1,310	161	52	37	27	24	53
30	75	153	136	114	---	1,040	218	51	37	27	43	69
31	66	---	171	109	---	1,280	---	51	---	27	395	---
Total	2,111	3,314	8,793	11,766	6,017	10,776	17,015	3,151	1,402	1,453	1,123	1,411
Mean	68.1	110	284	380	215	348	567	102	46.7	46.9	36.2	47.0
Max	132	498	1,000	1,640	707	1,310	2,050	312	78	239	395	355
Min	46	50	120	109	96	88	134	51	32	27	19	25

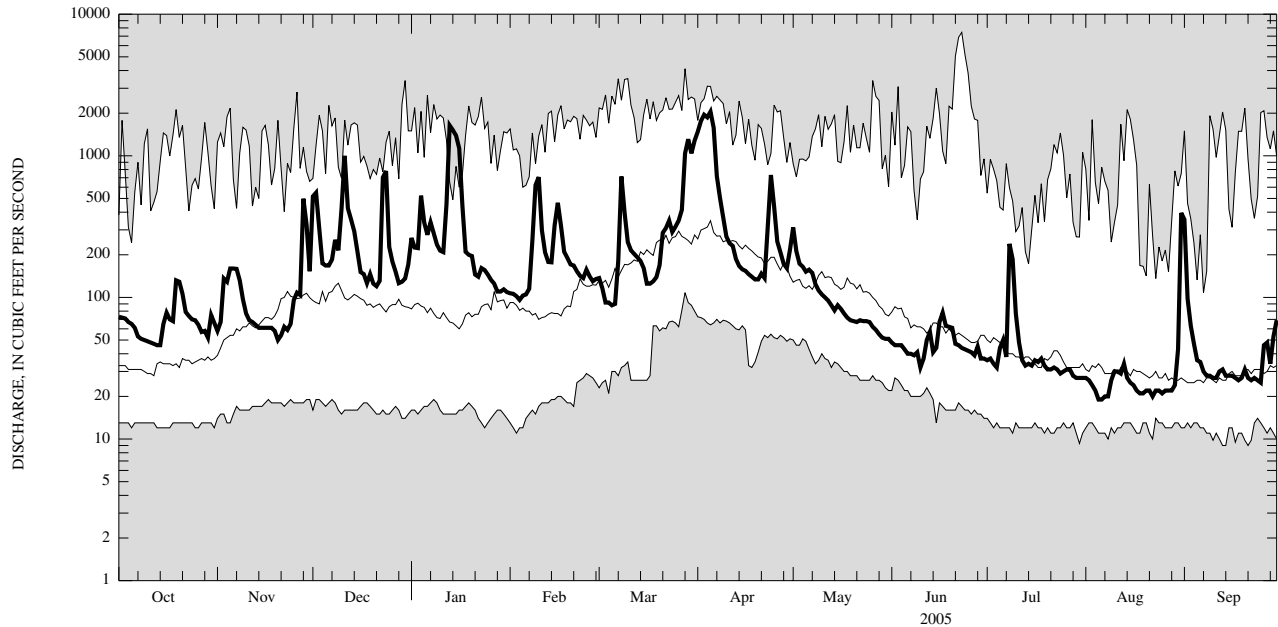
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	76.2	128	163	161	186	358	351	200	142	58.9	51.4	64.9
Max	304	455	551	499	722	826	877	696	1,226	249	303	498
(WY)	(1977)	(1951)	(1973)	(1998)	(1976)	(1945)	(1993)	(1943)	(1972)	(1972)	(1984)	(1977)
Min	13.5	17.9	16.6	15.6	35.6	111	66.6	42.4	20.1	13.8	13.2	11.7
(WY)	(1965)	(1965)	(1961)	(1961)	(1963)	(1969)	(1946)	(1955)	(1955)	(1955)	(1965)	(1955)

01524500 CANISTEO RIVER BELOW CANACADEA CREEK, AT HORNELL, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1942 - 2005	
Annual total	86,753		68,332			
Annual mean	237		187		161	
Highest annual mean					261	2004
Lowest annual mean					79.8	1965
Highest daily mean	1,920	Sep 9	2,050	Apr 5	7,440	Jun 23, 1972
Lowest daily mean	38	Jul 11	19	Aug 5	9.0	Sep 13, 1955
Annual seven-day minimum	43	Jul 6	21	Aug 2	10	Sep 8, 1955
10 percent exceeds	580		378		356	
50 percent exceeds	130		90		71	
90 percent exceeds	56		27		22	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01525500 CANISTEO RIVER AT WEST CAMERON, NY

Tioga Watershed

LOCATION.--Lat 42°13'20", long 77°25'05" referenced to North American Datum of 1927, Steuben County, Hydrologic Unit 02050104, on right bank 250 ft downstream from bridge on County Highway 119, 0.3 mi southeast of West Cameron, and 1.7 mi north of Cameron.

DRAINAGE AREA.--340 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Continuous record--January 1930 to September 1931, February 1937 to September 1970, annual maximum only--1974-72, 1974 to current year.

REVISED RECORDS.--WRD N.Y. 1969: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,037.71 ft above NGVD of 1929 (levels by Corps of Engineers). Prior to Sept. 30, 1931, nonrecording gage on highway bridge 250 ft upstream at same datum.

REMARKS.--Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 43,000 ft³/s, June 23, 1972, gage height, 23.48 ft.

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft ³ /s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 3, 2005	8,400	---	13.12	---

01525981 TUSCARORA CREEK ABOVE SOUTH ADDISON, NY

Tioga Watershed

LOCATION.--Lat 42°04'20", long 77°17'57" referenced to North American Datum of 1927, Steuben County, Hydrologic Unit 02050104, on right bank 500 ft downstream from bridge on State highway 417, 200 ft upstream from Elk Creek, and 1.7 mi southwest of South Addison.

DRAINAGE AREA.--102 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Annual maximum, water years 1989-2000. October 2000 to current year.

REVISED RECORDS.--WDR NY-01-3: 1991(M).

GAGE.--Water-stage recorder. Datum of gage is 1,079.00 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,800 ft³/s, Sep. 9, 2004, gage height, 13.54 ft., from floodmark, from rating curve extended above 3,700 ft³/s on basis of slope-area measurement of peak flow at gage height 12.62 ft; minimum discharge, 0.02 ft³/s, Aug. 27, 28, 29, 2005, gage height 0.52 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,600 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 14	0445	3,700	7.05
Apr 02	1800	*5,780	*8.28

Minimum discharge, 0.02 ft³/s, Aug 27, 28, 29, gage height, 0.52 ft.

01525981 TUSCARORA CREEK ABOVE SOUTH ADDISON, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	24	30	773	114	e35	e35	417	67	13	12	0.86	84
2	22	27	293	75	e35	e30	1,980	52	11	8.7	0.69	29
3	21	93	182	136	e35	e30	1,480	46	11	6.6	0.57	16
4	20	99	133	436	e35	e30	600	46	15	5.3	0.48	10
5	18	178	117	181	e40	e35	332	39	14	5.9	0.38	7.4
6	17	109	92	174	e40	e35	223	34	13	6.5	0.34	5.5
7	16	73	189	251	e50	e90	177	31	19	6.9	0.27	4.5
8	15	56	251	228	e230	628	148	28	14	13	0.21	3.7
9	14	47	141	205	e550	162	112	25	10	36	0.18	3.0
10	13	43	878	173	e450	99	92	24	9.3	17	0.14	2.5
11	13	41	1,030	154	e180	95	80	23	8.9	11	0.12	2.0
12	13	39	350	e245	e110	79	69	22	9.1	7.6	0.13	1.7
13	13	35	238	e1,850	e75	79	63	20	31	5.8	0.11	1.5
14	12	32	169	1,770	61	68	57	20	17	4.5	0.43	1.3
15	14	31	119	e250	178	66	50	21	12	3.6	0.51	1.4
16	41	31	99	e200	218	62	45	19	11	3.1	0.38	1.3
17	25	30	92	e150	e120	66	41	18	11	2.9	0.31	1.4
18	20	32	69	e100	e60	78	38	17	10	2.8	0.23	2.8
19	156	32	71	e45	e60	94	35	16	9.1	2.3	0.16	2.0
20	135	37	e35	e50	e55	171	33	15	7.9	1.8	0.13	2.5
21	72	43	e45	e45	e50	239	38	15	6.8	1.4	0.09	2.3
22	75	35	50	e35	e45	210	33	15	6.2	1.3	0.09	1.8
23	60	32	613	e50	e40	209	64	15	5.4	1.1	0.09	1.5
24	48	43	e180	e75	e45	151	141	16	4.6	0.86	0.07	1.3
25	48	166	e90	e90	e40	271	94	18	3.9	0.73	0.06	1.3
26	41	88	e55	e85	e40	281	69	16	4.6	1.1	0.05	3.3
27	36	62	e45	e65	e35	279	55	16	7.0	2.6	0.04	9.2
28	33	766	e40	e50	e35	1,060	47	23	8.0	2.4	0.03	8.4
29	30	263	e50	e45	---	770	43	18	29	1.6	0.07	9.6
30	32	158	51	e40	---	468	55	15	18	1.0	0.24	12
31	38	---	76	e35	---	468	---	16	---	0.92	101	---
Total	1,135	2,751	6,616	7,402	2,947	6,438	6,711	766	349.8	178.31	108.46	234.2
Mean	36.6	91.7	213	239	105	208	224	24.7	11.7	5.75	3.50	7.81
Max	156	766	1,030	1,850	550	1,060	1,980	67	31	36	101	84
Min	12	27	35	35	35	30	33	15	3.9	0.73	0.03	1.3
Cfsm	0.36	0.90	2.09	2.34	1.03	2.04	2.19	0.24	0.11	0.06	0.03	0.08
In.	0.41	1.00	2.41	2.70	1.07	2.35	2.45	0.28	0.13	0.07	0.04	0.09

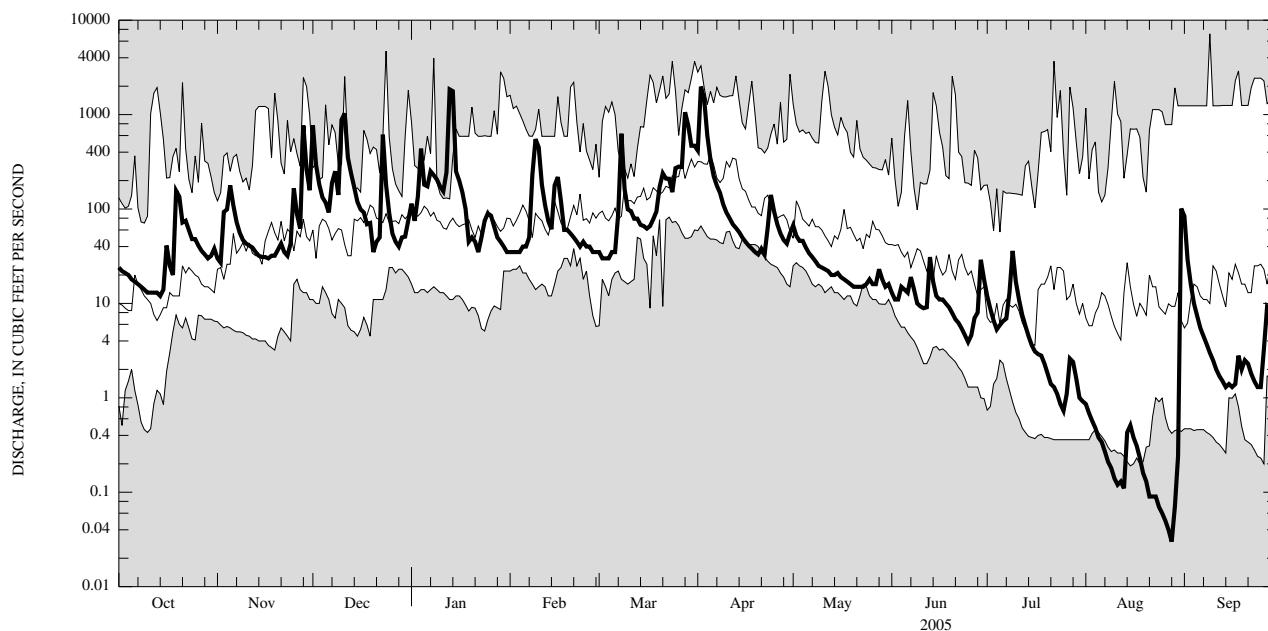
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	39.6	66.8	136	93.6	71.4	281	251	91.8	88.2	102	80.1	133
Max	106	181	287	239	105	594	454	214	235	257	279	512
(WY)	(2004)	(2004)	(2004)	(2005)	(2005)	(2003)	(2001)	(2004)	(2002)	(2003)	(2003)	(2004)
Min	5.85	9.60	43.6	17.8	35.4	127	117	22.9	11.7	1.30	0.87	1.98
(WY)	(2002)	(2002)	(2002)	(2001)	(2004)	(2002)	(2002)	(2001)	(2005)	(2001)	(2001)	(2002)

01525981 TUSCARORA CREEK ABOVE SOUTH ADDISON, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 2001 - 2005	
Annual total	65,881.4		35,636.77			
Annual mean	180		97.6		120	
Highest annual mean					200	2004
Lowest annual mean					68.1	2002
Highest daily mean	7,180	Sep 9	1,980	Apr 2	7,180	Sep 9, 2004
Lowest daily mean	3.8	Jul 7	0.03	Aug 28	0.03	Aug 28, 2005
Annual seven-day minimum	4.3	Jul 6	0.06	Aug 23	0.06	Aug 23, 2005
Annual runoff (cfsm)	1.76		0.957		1.17	
Annual runoff (inches)	24.03		13.00		15.95	
10 percent exceeds	352		213		246	
50 percent exceeds	68		35		36	
90 percent exceeds	15		1.2		1.9	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01526500 TIOGA RIVER NEAR ERWINS, NY

Tioga Watershed

LOCATION.--Lat 42°07'16", long 77°07'46" referenced to North American Datum of 1927, Steuben County, Hydrologic Unit 02050104, on right bank 20 ft downstream from bridge on Mulholland Road, 1.1 mi northeast of Erwins, and 1.1 mi downstream from Canisteo River.

DRAINAGE AREA.--1,377 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1918 to current year.

REVISED RECORDS.--WSP 891: 1935-38. WSP 1672: 1919 (M), 1927 (M), 1929 (M). WSP 2103: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 931.24 ft above NGVD of 1929. Prior to June 21, 1931, nonrecording gage on highway bridge at same datum.

REMARKS.--Records good except those for estimated daily discharges, which are fair. High flows regulated by upstream reservoirs. Since March 1979, flood flows regulated by Tioga Lake; normal regulation occasionally sufficient to affect figures of monthly runoff. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, prior to construction of Tioga Reservoir in 1979, 190,000 ft³/s, June 23, 1972, from rating curve extended above 90,000 ft³/s, on basis of computation of peak flow at Lindley and Canisteo River at Erwins, 7.2 mi and 2.0 mi upstream, respectively, adjusted for flow from intervening area, gage height, 26.74 ft, from floodmarks; minimum discharge, 18 ft³/s, Sept. 2, 3, 1939; minimum gage height, 0.40 ft, Sep. 8, 9, 1954, July 23, Aug. 10, 11, 1955. Maximum discharge, since construction of Tioga Reservoir in 1979, 45,600 ft³/s, Jan. 19, 1996, gage height 16.98 ft; minimum discharge, 52 ft³/s, Oct. 1, 2, 6, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 24,000 ft³/s, Apr 2, gage height, 12.23 ft; minimum discharge, 88 ft³/s, Aug 27, gage height, 0.35 ft.

01526500 TIOGA RIVER NEAR ERWINS, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	745	576	5,800	1,750	e625	e925	9,910	1,280	334	448	120	2,890
2	611	586	5,800	1,710	e575	e900	12,900	1,180	301	234	117	1,000
3	649	856	3,610	1,800	e725	e825	16,000	1,040	268	201	116	423
4	614	1,100	2,770	4,980	e775	e750	8,270	922	267	190	111	310
5	518	1,380	2,280	3,870	e740	e750	15,000	841	266	191	106	269
6	501	1,400	2,110	3,090	e750	e775	14,500	765	e300	216	100	227
7	481	1,260	2,420	3,590	838	e900	12,000	748	e380	249	97	213
8	463	1,030	3,040	3,610	e1,400	4,390	8,720	688	e400	400	101	205
9	451	854	2,350	3,760	e4,300	3,270	7,210	641	343	1,320	112	195
10	437	795	4,990	3,070	e8,000	e1,800	5,690	648	354	580	99	187
11	394	749	11,400	2,840	3,680	e1,350	3,200	622	482	383	104	184
12	381	714	6,330	3,490	2,590	e1,300	1,990	549	494	317	e118	179
13	374	677	4,190	13,700	2,150	e1,250	1,720	489	446	255	e140	175
14	398	632	3,460	16,400	1,960	e1,150	1,490	478	372	191	e150	175
15	449	582	2,560	11,400	2,540	e1,050	1,430	483	293	176	e159	176
16	641	556	2,080	11,500	e4,200	e975	1,340	476	266	168	e168	168
17	590	557	1,830	7,990	e3,750	1,030	1,270	461	280	166	146	158
18	515	573	1,580	4,510	e2,200	1,190	1,170	439	298	174	134	e155
19	1,180	575	1,530	2,060	e1,600	1,410	967	422	273	170	131	e160
20	1,780	588	e1,250	2,210	e1,600	1,830	947	411	253	163	129	140
21	1,330	619	e1,150	e1,850	1,660	3,070	1,020	381	246	156	127	133
22	1,190	608	1,110	e1,550	1,660	2,580	1,010	371	525	158	125	132
23	909	598	3,200	e1,400	1,490	2,940	1,160	368	239	155	110	127
24	817	650	6,430	e1,350	e1,100	2,520	2,060	375	223	151	98	124
25	775	1,450	2,550	e1,300	e1,050	2,910	2,290	399	176	149	94	122
26	762	1,720	e1,600	e1,250	e950	3,370	1,690	496	165	149	93	141
27	665	1,380	e1,420	e1,100	e850	4,020	1,370	491	e192	155	90	198
28	627	5,520	e1,250	e900	e900	9,890	957	392	e192	148	94	217
29	607	6,090	e1,200	e850	---	13,700	912	363	e327	145	101	189
30	571	3,240	e1,300	e750	---	10,800	947	359	506	136	287	197
31	590	---	1,550	e675	---	10,100	---	350	---	123	2,210	---
Total	21,015	37,915	94,140	120,305	54,658	93,720	139,140	17,928	9,461	7,817	5,887	9,169
Mean	678	1,264	3,037	3,881	1,952	3,023	4,638	578	315	252	190	306
Max	1,780	6,090	11,400	16,400	8,000	13,700	16,000	1,280	525	1,320	2,210	2,890
Min	374	556	1,110	675	575	750	912	350	165	123	90	122

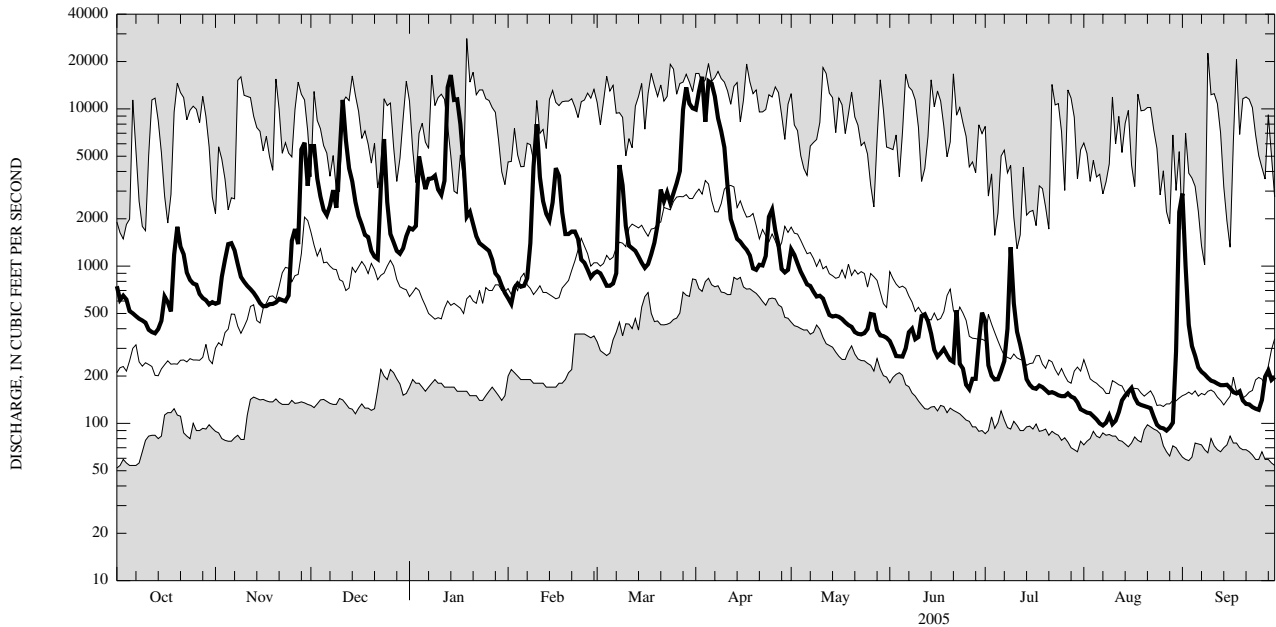
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	695	1,215	1,568	1,438	1,702	2,859	3,508	1,753	1,215	577	547	608
Max	4,160	4,401	3,719	4,870	4,219	5,737	11,970	4,689	4,579	2,099	3,257	5,868
(WY)	(1991)	(1997)	(2004)	(1996)	(1981)	(1994)	(1993)	(1989)	(1989)	(2004)	(1994)	(2004)
Min	96.5	139	155	165	340	843	1,320	371	142	95.9	102	72.0
(WY)	(1992)	(1999)	(1999)	(1981)	(1980)	(1981)	(1981)	(1985)	(1999)	(1991)	(2001)	(1980)

01526500 TIOGA RIVER NEAR ERWINS, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1980 - 2005	
Annual total	878,264		611,155			
Annual mean	2,400		1,674		1,470	
Highest annual mean					2,649	2004
Lowest annual mean					786	1999
Highest daily mean	22,600	Sep 9	16,400	Jan 14	28,000	Jan 19, 1996
Lowest daily mean	232	Jul 4	90	Aug 27	52	Oct 1, 1980
Annual seven-day minimum	263	Jul 2	97	Aug 23	55	Sep 30, 1980
10 percent exceeds	5,800		3,800		3,520	
50 percent exceeds	1,320		725		637	
90 percent exceeds	499		147		135	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01527500 COHOCTON RIVER AT AVOCA, NY

Chemung Watershed

LOCATION.--Lat 42°23'52", long 77°25'04" referenced to North American Datum of 1927, Steuben County, Hydrologic Unit 02050105, on left bank just downstream from bridge on State Highway 415, 0.2 mi north of Avoca, 1.6 mi upstream from Goff Creek, and 6.4 mi north of Bath.

DRAINAGE AREA.--152 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1938 to September 1945; June 1996 to September 1997; June 2001 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,182.75 ft above NGVD of 1929. May 16, 1938 to Sept. 30, 1945, at site 4,200 ft downstream at datum 2.75 ft lower.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,880 ft³/s Mar. 17, 1942, gage height, 8.88 ft, site and datum then in use, minimum discharge, 6.5 ft³/s, Sept. 28, 1941.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 23, 1972 reached a discharge of 13,300 ft³/s on basis of contracted opening measurement of peak flow.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,400 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 14	0640	1,720	4.54
Jan 29	0710	ice jam	*5.96
Apr 03	0440	*2,510	5.37

Minimum discharge, 19 ft³/s, Aug 26, gage height, 1.80 ft.

01527500 COHOCTON RIVER AT AVOCA, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	142	120	576	296	e135	e160	1,380	320	82	80	39	128
2	136	117	453	251	e130	e155	1,700	283	79	70	36	96
3	132	217	410	268	e130	e140	2,230	272	78	61	35	71
4	125	172	349	416	e130	e140	1,610	251	78	56	34	48
5	119	203	319	339	e130	e140	1,340	233	77	57	32	39
6	112	176	280	362	e135	e140	1,190	218	75	83	31	34
7	107	165	285	372	e165	196	1,060	205	77	63	30	31
8	101	155	289	338	e230	e340	887	195	71	76	37	30
9	99	141	245	310	e340	e270	707	180	69	81	107	29
10	97	131	430	298	e270	e260	567	170	72	72	45	29
11	94	127	708	282	e310	e250	473	161	81	63	32	28
12	90	120	590	354	e240	e230	402	149	104	57	30	26
13	85	115	531	982	e260	e200	358	139	99	51	32	25
14	84	109	442	1,530	246	e190	321	135	130	48	35	24
15	95	108	370	1,040	307	e170	292	138	89	46	31	23
16	104	107	e325	766	362	e160	267	129	96	47	29	25
17	93	104	299	598	e320	e150	245	123	103	e54	27	26
18	94	105	e270	e420	e280	e155	230	117	119	e80	27	27
19	145	101	e260	e390	e260	e160	220	113	107	65	25	24
20	122	103	e180	e350	e240	204	218	110	92	58	25	26
21	133	101	e260	e310	e250	222	224	108	81	54	26	24
22	120	97	e240	e300	e240	237	212	111	74	52	25	23
23	111	93	467	e300	e230	270	332	108	68	50	24	23
24	104	102	e380	e280	e190	261	494	108	62	48	23	22
25	104	131	e310	e250	e170	274	401	104	59	47	21	24
26	99	115	e300	e210	e200	290	366	97	53	46	21	53
27	94	110	e290	e190	e160	338	325	93	48	53	22	70
28	90	500	e300	e150	e160	691	297	91	51	49	23	49
29	88	368	e280	e160	---	955	270	89	110	47	23	49
30	248	330	241	e155	---	981	322	87	115	44	38	49
31	144	---	270	e145	---	1,190	---	86	---	44	197	---
Total	3,511	4,643	10,949	12,412	6,220	9,519	18,940	4,723	2,499	1,802	1,162	1,175
Mean	113	155	353	400	222	307	631	152	83.3	58.1	37.5	39.2
Max	248	500	708	1,530	362	1,190	2,230	320	130	83	197	128
Min	84	93	180	145	130	140	212	86	48	44	21	22
Cfsm	0.75	1.02	2.32	2.63	1.46	2.02	4.15	1.00	0.55	0.38	0.25	0.26
In.	0.86	1.14	2.68	3.04	1.52	2.33	4.64	1.16	0.61	0.44	0.28	0.29

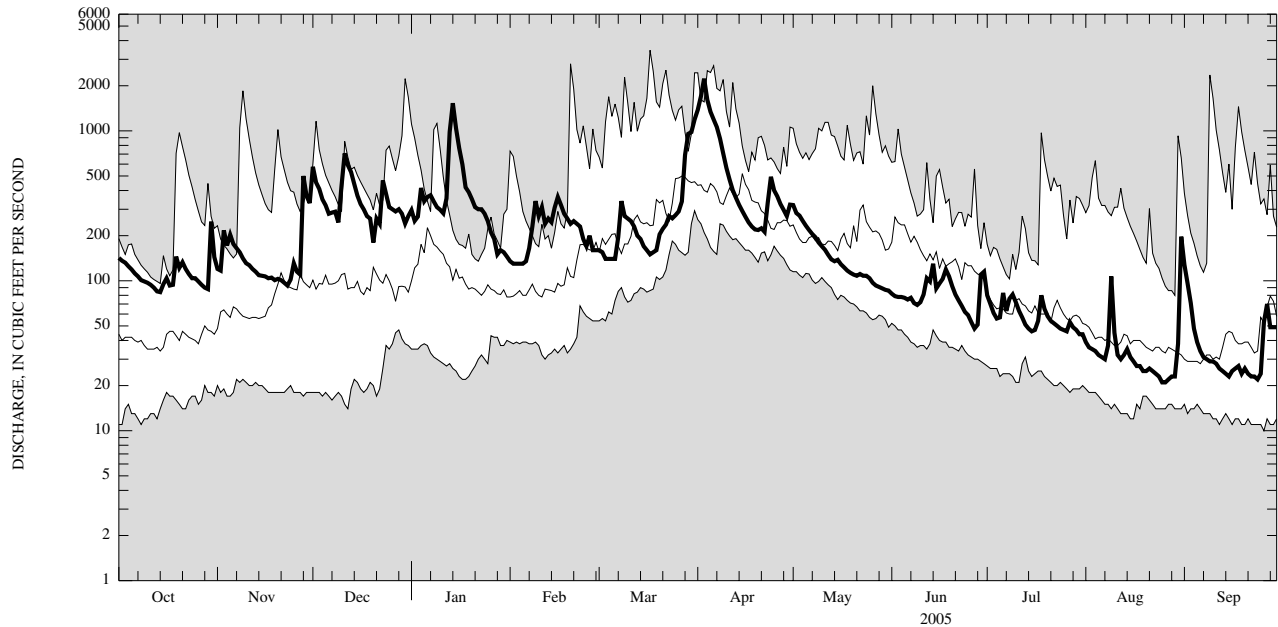
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	69.0	121	183	154	172	449	473	280	156	81.5	61.1	98.8
Max	233	394	404	400	417	997	1,143	746	283	187	223	517
(WY)	(1997)	(1997)	(2004)	(2005)	(1939)	(1945)	(1940)	(1943)	(2004)	(1942)	(2003)	(2004)
Min	15.2	19.2	34.5	43.8	68.4	206	242	84.1	38.9	25.8	17.4	13.5
(WY)	(1942)	(1942)	(1942)	(1942)	(1942)	(1998)	(1997)	(1941)	(1939)	(1941)	(2001)	(1941)

01527500 COHOCTON RIVER AT AVOCA, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1938 - 2005	
Annual total	104,975		77,555			
Annual mean	287		212		195	
Highest annual mean					302	2004
Lowest annual mean					141	1941
Highest daily mean	2,360	Sep 9	2,230	Apr 3	3,450	Mar 17, 1942
Lowest daily mean	68	Aug 19	21	Aug 25	10	Sep 26, 1941
Annual seven-day minimum	79	Aug 14	22	Aug 23	11	Sep 23, 1941
Maximum peak flow					3,880	Mar 17, 1942
Maximum peak stage					8.88	Mar 17, 1942
Instantaneous low flow					26	Sep 3, 1996
Annual runoff (cfsm)	1.89		1.40		1.29	
Annual runoff (inches)	25.69		18.98		17.47	
10 percent exceeds	593		384		454	
50 percent exceeds	194		130		103	
90 percent exceeds	90		31		27	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.



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01528320 COHOCTON RIVER AT BATH, NY

Chemung Watershed

LOCATION.--Lat 42°20'36", long 77°20'39" referenced to North American Datum of 1927, Steuben County, Hydrologic Unit 02050105, on left bank 150 ft upstream from bridge on Veterans Avenue at Bath, and 0.6 mi downstream from Harrisburg Hollow Creek.

DRAINAGE AREA.--316 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Annual maximum only—1988-96, 1999 to current year.

GAGE--Water-stage recorder. Datum of gage is 1,100.00 ft above NGVD of 1929.

REMARKS.--Telephone and satellite gage-height and precipitation telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,200 ft³/s, Jan. 19, 1996, gage height, 13.67.

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 3, 2005	7,380	---	10.02	---

01529500 COHOCTON RIVER NEAR CAMPBELL, NY

Chemung Watershed

LOCATION.--Lat 42°15'09", long 77°13'01" referenced to North American Datum of 1927, Steuben County, Hydrologic Unit 02050105, on left bank just downstream from bridge on town road at junction with County Highway 125, 1.9 mi upstream from Michigan Creek, and 2.0 miles north of Campbell.

DRAINAGE AREA.--470 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1918 to current year.

REVISED RECORDS.--WSP 891: 1935. WSP 1302: 1919-20(M), 1927-28(M), 1928-38 (monthly runoff). WSP 2103: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,016.34 ft above NGVD of 1929. Prior to Mar. 5, 1937, nonrecording gage on highway bridge.

REMARKS.--Records good except those for estimated daily discharges, which are fair. During each year since March 1931, a large part of flow from 45.5 mi² of drainage area upstream from Lake Lamoka on Mud Creek, a tributary upstream from this station, has been diverted into Keuka Lake (Oswego River basin), for power development. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 41,100 ft³/s, July 8, 1935, gage height, 11.6 ft, from floodmark, from rating curve extended above 24,200 ft³/s on basis of velocity-area and slope-area measurements of peak flow; minimum discharge, 8 ft³/s, Sep. 6, 7, 1934.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,200 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 14	0630	7,010	6.17
Apr 03	0700	*10,600	*7.59

Minimum discharge, 34 ft³/s, Aug 26, gage height, -0.14 ft.

01529500 COHOCTON RIVER NEAR CAMPBELL, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	359	361	1,560	684	e350	458	3,850	779	162	232	63	514
2	311	330	1,510	564	e340	444	5,320	642	155	174	58	235
3	295	601	1,100	640	e340	414	9,130	539	148	146	55	155
4	275	532	872	1,290	e325	404	5,790	498	149	130	53	120
5	258	641	779	939	e350	388	4,160	454	147	122	50	94
6	246	548	701	826	e360	397	3,150	418	e145	159	48	83
7	236	467	763	993	e350	455	2,630	396	e155	145	47	75
8	229	415	964	895	565	1,530	2,210	366	e140	144	48	70
9	220	358	756	822	1,340	983	1,780	346	135	213	180	67
10	212	327	1,210	786	1,470	e830	1,490	329	151	163	96	62
11	205	313	2,960	749	938	e700	1,270	312	326	142	66	60
12	201	300	2,040	1,080	888	e650	1,020	322	254	123	60	60
13	198	279	1,500	3,900	773	e590	891	310	386	115	63	57
14	194	257	1,220	6,130	725	538	709	304	437	106	66	55
15	206	249	992	3,430	1,090	507	620	316	450	99	63	52
16	271	249	863	2,140	1,660	498	561	301	406	98	56	52
17	228	242	820	1,700	1,250	480	517	263	353	103	51	56
18	223	244	708	e1,100	991	501	482	247	345	122	49	55
19	375	240	711	e1,000	799	465	450	231	329	110	48	53
20	404	246	521	e900	836	527	458	221	293	98	47	56
21	364	247	e550	e850	764	696	513	217	260	91	47	57
22	375	237	e580	e800	714	705	462	216	164	88	45	53
23	345	231	1,130	e750	615	943	668	215	141	85	44	50
24	315	240	1,440	e700	507	817	1,140	216	129	78	44	47
25	310	397	847	e600	491	926	935	222	121	75	43	47
26	297	355	749	e525	471	1,070	850	202	116	72	39	72
27	279	304	620	e475	422	1,240	698	188	111	80	36	225
28	261	1,680	603	e420	434	2,670	635	187	111	80	41	233
29	255	1,490	729	e440	---	3,400	592	179	210	75	41	210
30	488	920	617	e420	---	3,010	626	171	384	69	61	205
31	463	---	544	e380	---	3,240	---	169	---	67	547	---
Total	8,898	13,300	30,959	36,928	20,158	30,476	53,607	9,776	6,813	3,604	2,255	3,230
Mean	287	443	999	1,191	720	983	1,787	315	227	116	72.7	108
Max	488	1,680	2,960	6,130	1,660	3,400	9,130	779	450	232	547	514
Min	194	231	521	380	325	388	450	169	111	67	36	47
Cfsm	0.61	0.94	2.12	2.53	1.53	2.09	3.80	0.67	0.48	0.25	0.15	0.23
In.	0.70	1.05	2.45	2.92	1.60	2.41	4.24	0.77	0.54	0.29	0.18	0.26

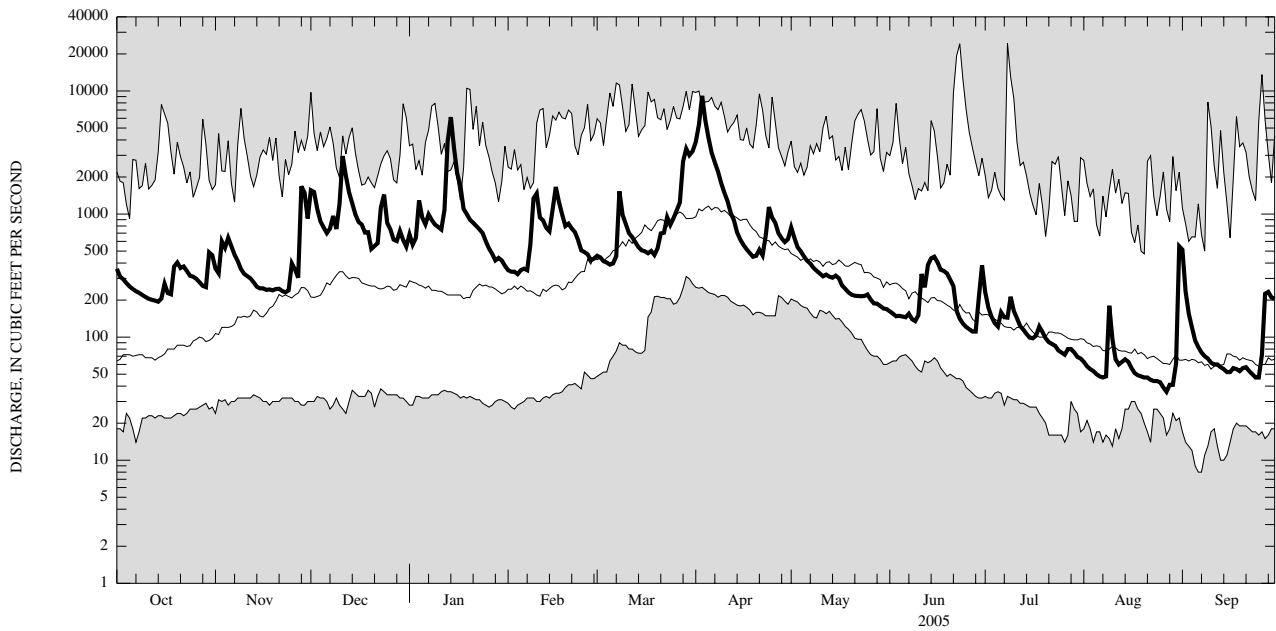
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1918 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	189	336	438	426	494	1,111	1,147	610	347	187	128	151
Max	1,284	1,611	1,861	1,586	2,059	3,793	3,579	2,074	3,167	2,278	695	1,487
(WY)	(1956)	(1928)	(1928)	(1998)	(1976)	(1936)	(1993)	(1919)	(1972)	(1935)	(2003)	(2004)
Min	25.7	33.0	42.5	32.5	75.1	312	201	143	59.2	31.1	25.0	15.5
(WY)	(1942)	(1942)	(1961)	(1961)	(1920)	(1965)	(1946)	(1934)	(1955)	(1955)	(1934)	(1934)

01529500 COHOCTON RIVER NEAR CAMPBELL, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1918 - 2005	
Annual total	286,331		220,004			
Annual mean	782		603		463	
Highest annual mean					835	2004
Lowest annual mean					210	1965
Highest daily mean	8,140	Sep 9	9,130	Apr 3	24,400	Jul 8, 1935
Lowest daily mean	130	Jul 12	36	Aug 27	8.0	Sep 6, 1934
Annual seven-day minimum	145	Jul 7	41	Aug 23	11	Sep 3, 1934
Annual runoff (cfsm)	1.66		1.28		0.985	
Annual runoff (inches)	22.66		17.41		13.39	
10 percent exceeds	1,590		1,210		1,110	
50 percent exceeds	514		350		212	
90 percent exceeds	210		60		50	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD. SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01529950 CHEMUNG RIVER AT CORNING, NY

Chemung Watershed

LOCATION.--Lat 42°08'47", long 77°03'28" referenced to North American Datum of 1927, Steuben County, Hydrologic Unit 02050105, on right bank adjacent to Corning Glass Works power plant, 0.2 mi upstream from bridge on State Highway 414 (Centerway St.) at Corning, and 1.7 mi downstream from Cohocton River.

DRAINAGE AREA.--2,006 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Occasional discharge measurements water years 1941, 1968-69. October 1974 to current year.

REVISED RECORDS.--WDR NY-78-1: 1976, 1977(M). WDR NY-83-3: 1982(M).

GAGE.--Water-stage recorder. Datum of gage is 900.00 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are fair. High flows significantly regulated by upstream reservoirs. During each year a large part of flow from 45.5 mi² of drainage area is diverted upstream from Lake Lamoka on Mud Creek, an upstream tributary, into Keuka Lake (Oswego River basin) for power development. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, prior to construction of Tioga Reservoir in 1979, 127,000 ft³/s, Sep. 26, 1975, gage height, 32.46 ft; minimum discharge, 210 ft³/s, Aug. 1978. Maximum discharge, since construction of Tioga Reservoir in 1979, about 61,000 ft³/s, Jan. 19, 1996; minimum discharge, 95 ft³/s, Sep. 9, 10, 23, 24, 1991, gage height, 14.30 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 23, 1972, reached a stage of 40.71 ft, from floodmark; discharge 228,000 ft³/s, from peak flows determined at upstream and downstream stations adjusted for drainage area and channel storage.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 37,300 ft³/s, Apr 2, gage height, 24.09 ft; minimum discharge, 129 ft³/s, Aug 25, 27, 28, gage height, 14.34 ft.

01529950 CHEMUNG RIVER AT CORNING, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,240	1,020	7,470	2,480	e1,000	e1,450	14,200	2,250	539	804	187	3,840
2	1,040	977	8,030	2,350	e950	e1,400	19,900	2,020	500	479	176	1,410
3	1,040	1,500	5,040	2,460	e1,100	e1,300	28,300	1,780	465	397	172	629
4	992	1,770	3,890	6,340	e1,200	e1,200	16,600	1,600	459	363	166	449
5	861	2,180	3,210	5,050	e1,250	e1,200	19,900	1,460	458	366	155	381
6	816	2,090	2,920	4,010	e1,350	1,280	18,000	1,320	535	396	148	319
7	782	1,850	3,250	4,730	e1,400	1,530	15,200	1,270	639	438	143	296
8	755	1,570	4,220	4,650	e3,400	5,910	11,600	1,170	605	431	143	281
9	731	1,340	3,260	4,770	e6,200	e4,300	9,500	1,080	521	1,650	253	267
10	705	1,230	6,010	3,960	e9,400	e2,700	7,630	1,070	837	791	229	252
11	656	1,160	15,000	3,690	5,040	e2,100	4,820	1,010	1,310	549	179	242
12	637	1,110	9,150	4,430	3,660	e2,000	3,340	935	1,400	456	178	236
13	629	1,040	6,150	17,900	3,050	e1,900	2,890	867	1,570	388	203	232
14	645	971	4,960	24,400	2,780	e1,750	2,450	848	1,240	322	216	227
15	689	903	3,730	15,300	3,630	1,680	2,270	867	979	295	222	225
16	952	876	3,100	13,700	6,330	1,590	2,090	845	849	284	224	226
17	883	865	2,780	10,000	5,380	1,580	1,970	792	817	284	195	231
18	785	877	2,400	6,110	e3,300	1,760	1,840	748	889	305	177	225
19	1,500	873	2,340	e3,300	e2,500	1,940	1,580	709	761	297	176	222
20	2,290	886	e2,000	e3,350	2,580	2,360	1,540	688	663	272	170	203
21	1,760	921	e1,700	e2,950	2,530	3,820	1,680	659	604	255	167	186
22	1,650	900	e1,800	e2,500	2,460	3,350	1,620	649	772	253	162	185
23	1,360	883	4,110	e2,300	2,220	4,060	1,970	647	457	247	150	179
24	1,230	932	8,470	e2,200	e1,700	3,430	3,530	650	413	237	137	173
25	1,170	1,920	e3,500	e2,050	e1,600	3,910	3,550	679	358	229	134	173
26	1,140	2,200	e2,600	e1,950	e1,500	4,570	2,800	741	334	224	136	209
27	1,020	1,770	e2,300	e1,700	e1,350	5,410	2,320	736	324	235	134	347
28	956	7,080	e2,200	e1,400	e1,400	13,000	1,810	645	322	231	135	450
29	928	8,350	e2,100	e1,350	---	17,500	1,700	600	580	222	144	403
30	1,060	4,520	e2,000	e1,200	---	14,200	1,720	581	1,040	208	329	390
31	1,170	---	2,160	e1,100	---	13,700	---	564	---	195	2,930	---
Total	32,072	54,564	131,850	163,680	80,260	127,880	208,320	30,480	21,240	12,103	8,270	13,088
Mean	1,035	1,819	4,253	5,280	2,866	4,125	6,944	983	708	390	267	436
Max	2,290	8,350	15,000	24,400	9,400	17,500	28,300	2,250	1,570	1,650	2,930	3,840
Min	629	865	1,700	1,100	950	1,200	1,540	564	322	195	134	173

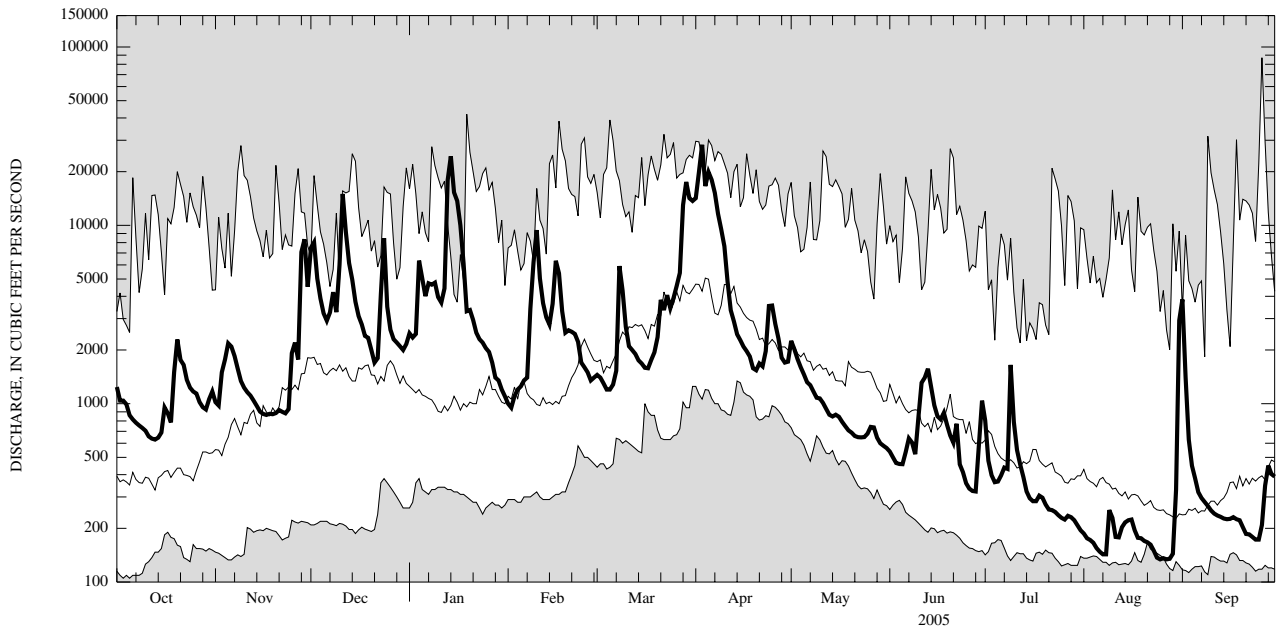
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,142	1,760	2,329	2,227	2,580	4,429	4,847	2,571	1,706	835	737	1,079
Max	5,478	6,124	5,316	6,879	7,993	9,533	16,150	6,692	5,835	3,039	3,699	7,899
(WY)	(1991)	(1997)	(2004)	(1996)	(1976)	(1979)	(1993)	(1989)	(1989)	(2003)	(2003)	(2004)
Min	157	226	240	328	537	1,284	1,599	549	214	173	153	141
(WY)	(1992)	(1999)	(1999)	(1981)	(1980)	(1981)	(1981)	(1985)	(1999)	(1991)	(1999)	(1991)

01529950 CHEMUNG RIVER AT CORNING, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1975 - 2005	
Annual total	1,278,179		883,807			
Annual mean	3,492		2,421		2,182	
Highest annual mean					3,812	2004
Lowest annual mean					1,203	1999
Highest daily mean	31,600	Sep 9	28,300	Apr 3	87,100	Sep 26, 1975
Lowest daily mean	432	Jul 12	134	Aug 25	105	Oct 3, 1980
Annual seven-day minimum	475	Jul 6	139	Aug 23	108	Oct 2, 1980
10 percent exceeds	8,020		5,180		5,070	
50 percent exceeds	2,010		1,200		1,000	
90 percent exceeds	828		222		230	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01530301 CUTHRIE RUN NEAR BIG FLATS, NY

Chemung Watershed

LOCATION.--Lat 42°10'43", long 76°55'32" referenced to North American Datum of 1927, Chemung County, Hydrologic Unit 02050105, at culvert on Breed Hollow Road, 0.9 mi north of intersection of Eacher Hollow Road and Breed Hollow Road, 2.3 mi north of State Highway 17, and 3.0 mi north of Big Flats.

DRAINAGE AREA.--5.39 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Annual maximum only--1976, 1979-81, 1983 to current year.

GAGE.--Crest-stage partial-record station. Elevation of gage is 925 ft above NGVD of 1929, from topographic map.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 800 ft³/s, June 19, 1976, gage height, 18.52 ft.

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 3, 2005	480	---	14.15	---

01530332 CHEMUNG RIVER AT ELMIRA, NY

Chemung Watershed

LOCATION.--Lat 42°05'11", long 76°48'05" referenced to North American Datum of 1927, Chemung County, Hydrologic Unit 02050105, on right bank 350 ft upstream from bridge on Pennsylvania Avenue at the north end of George Place at Elmira, and 1.0 mi downstream from Hoffman Brook.

DRAINAGE AREA.--2162 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Annual maximum only--1988 to current year.

GAGE--Water-stage recorder. Datum of gage is 833.65 ft above NGVD of 1929.

REMARKS.--Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 71,000 ft³/s, Jan. 20, 1996; maximum gage height, 18.51 ft, from floodmark, Jan. 20, 1996.

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 3, 2005	42,600	5	13.17	---

Discharge qualification code:

5 - Discharge affected to unknown degree by regulation or diversion

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01530500 NEWTOWN CREEK AT ELMIRA, NY

Chemung Watershed

LOCATION.--Lat 42°06'16", long 76°47'54" referenced to North American Datum of 1927, Chemung County, Hydrologic Unit 02050105, on left bank 200 ft downstream from bridge on Linden Place in Elmira, and 1.5 mi upstream from mouth.

DRAINAGE AREA.--77.5 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1938 to current year.

REVISED RECORDS.--WSP 1502: 1956. WSP 2103: Drainage area. WDR NY 1974: 1973.

GAGE.--Water-stage recorder. Datum of gage is 838.35 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Diurnal fluctuation at low flow caused by numerous industrial operations upstream. Since August 1989, high flows regulated by detention in upstream reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, prior to construction of upstream reservoir in August 1989, about 4,000 ft³/s, June 23, 1972, gage height, 19.28 ft, from floodmarks (backwater from Chemung River). Maximum discharge, since construction of upstream reservoir in August 1989, 3,810 ft³/s, Jan. 19, 1996, gage height 16.98 ft. Minimum instantaneous discharge not determined.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,390 ft³/s, Apr 3, gage height, 13.56 ft; minimum discharge, 8.8 ft³/s, Aug 22, gage height, 4.19 ft.

01530500 NEWTOWN CREEK AT ELMIRA, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	51	48	661	66	e44	e55	455	75	25	19	13	69
2	48	42	329	62	e43	e52	898	65	23	17	12	28
3	47	57	188	80	e43	e50	2,090	62	22	17	12	19
4	44	77	134	244	e42	e50	1,190	61	22	16	12	16
5	42	127	111	130	e41	e45	444	55	22	26	11	16
6	40	79	97	119	e40	e50	279	50	28	28	11	14
7	38	64	125	176	e45	e60	216	47	32	22	11	14
8	36	55	167	152	137	251	195	44	25	21	11	14
9	35	49	108	147	348	e130	152	40	23	21	11	13
10	35	45	442	123	568	e90	128	38	e35	19	10	12
11	33	43	788	113	e200	e80	112	36	74	17	11	13
12	29	40	428	183	e150	e70	98	33	39	16	14	13
13	28	38	246	824	e110	e65	90	31	32	16	16	13
14	28	35	177	1,620	e100	e60	83	31	28	15	17	12
15	30	33	129	579	e270	e55	76	33	26	15	14	12
16	31	32	106	254	346	e55	69	31	27	15	12	12
17	29	31	97	184	e200	e55	64	29	28	15	12	12
18	28	31	82	e115	e135	e65	61	27	38	17	12	12
19	73	30	78	e95	e95	e80	57	26	35	16	12	11
20	88	29	e57	e90	e90	119	55	25	28	14	11	12
21	72	31	e55	e80	e90	221	57	24	24	15	11	12
22	68	30	e55	e68	89	195	53	24	22	15	9.3	11
23	57	28	154	e66	83	228	e83	23	21	15	11	10
24	49	32	e100	e65	e70	156	273	24	19	14	10	10
25	44	127	e75	e65	e65	184	144	25	18	14	11	11
26	40	100	e60	e62	e60	216	106	26	18	13	9.9	14
27	37	67	e50	e55	e59	220	87	27	19	14	10	13
28	35	638	e40	e52	e57	1,190	78	28	18	13	10	11
29	32	320	e50	e50	---	1,280	69	36	20	13	10	14
30	44	166	55	e50	---	593	69	28	22	12	31	11
31	60	---	55	e48	---	500	---	26	---	12	70	---
Total	1,351	2,524	5,299	6,017	3,620	6,520	7,831	1,130	813	512	438.2	454
Mean	43.6	84.1	171	194	129	210	261	36.5	27.1	16.5	14.1	15.1
Max	88	638	788	1,620	568	1,280	2,090	75	74	28	70	69
Min	28	28	40	48	40	45	53	23	18	12	9.3	10

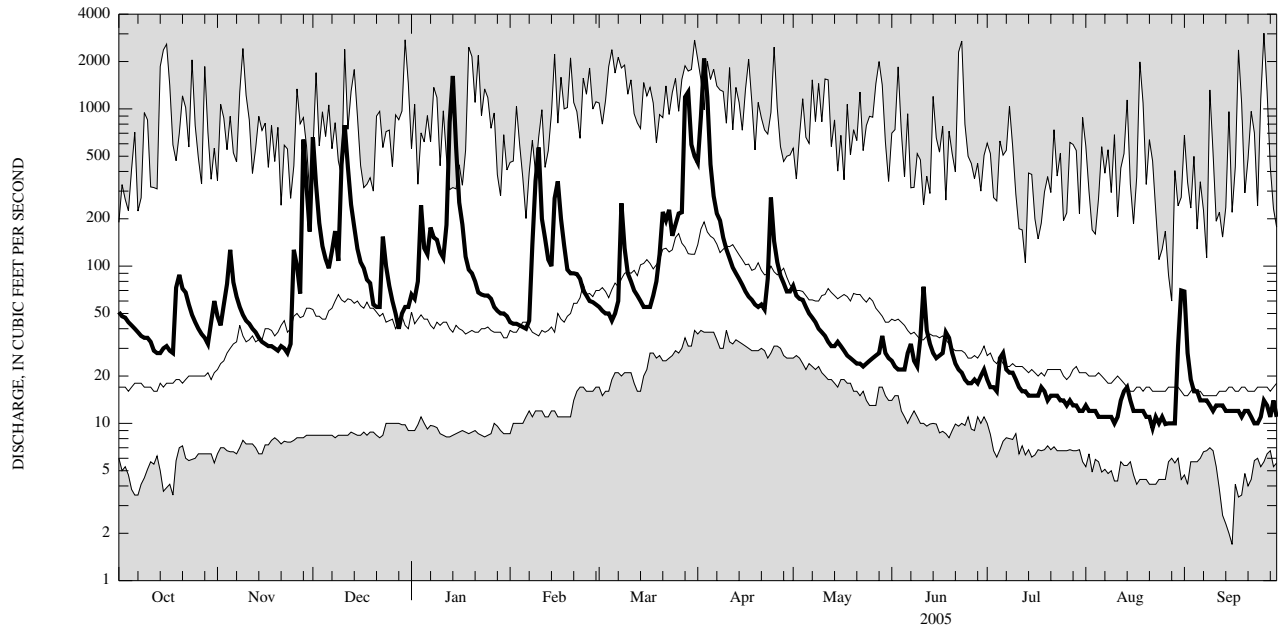
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	48.4	84.6	101	103	96.2	177	207	89.1	64.4	45.2	39.6	41.1
Max	183	295	248	269	205	310	747	249	142	165	171	268
(WY)	(1991)	(1997)	(1997)	(1996)	(1990)	(1994)	(1993)	(1996)	(1996)	(2004)	(1994)	(2004)
Min	9.21	9.34	11.8	12.6	23.2	63.5	87.5	22.0	11.1	7.30	7.25	8.28
(WY)	(2002)	(2002)	(1999)	(2001)	(1993)	(1990)	(1997)	(2001)	(1999)	(1991)	(1991)	(1991)

01530500 NEWTOWN CREEK AT ELMIRA, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1990 - 2005	
Annual total	48,364		36,509.2			
Annual mean	132		100		91.2	
Highest annual mean					138	2004
Lowest annual mean					46.9	2001
Highest daily mean	2,370	Sep 18	2,090	Apr 3	2,470	Jan 19, 1996
Lowest daily mean	21	Jul 4	9.3	Aug 22	4.9	Aug 3, 1991
Annual seven-day minimum	24	Jun 30	10	Aug 22	6.0	Aug 12, 1991
10 percent exceeds	247		197		190	
50 percent exceeds	73		44		41	
90 percent exceeds	32		12		10	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01531000 CHEMUNG RIVER AT CHEMUNG, NY

Chemung Watershed

LOCATION.--Lat 42°00'08", long 76°38'06" referenced to North American Datum of 1927, Chemung County, Hydrologic Unit 02050105, on right bank 100 ft upstream from bridge on State Highway 427, 0.7 mi southwest of Chemung, and 10.0 mi upstream from mouth.

DRAINAGE AREA.--2,506 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1903 to current year (gage heights only for some winter periods).

REVISED RECORDS.--WSP 891: 1935-39. WSP 1432: 1904, 1907, 1915. WSP 2103: Drainage area. WDR NY 1974: 1973.

GAGE.--Water-stage recorder. Datum of gage is 778.63 ft above NGVD of 1929 (levels by Corps of Engineers). Prior to Jan. 10, 1930, nonrecording gage on highway bridge 60 ft upstream at same datum.

REMARKS.--Records good except those for estimated daily discharges, which are fair. High flows significantly regulated by upstream reservoirs. During each year a large part of flow from 45.5 mi² of drainage area is diverted upstream from Lake Lamoka on Mud Creek, an upstream tributary, into Keuka Lake (Oswego River basin) for power development. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, prior to construction of Tioga Reservoir in 1979, 189,000 ft³/s, June 23, 1972, gage height, 31.62 ft, from floodmark, from rating curve extended above 65,000 ft³/s, on basis of slope-area and velocity-area studies at gage height 19.57 ft, and slope-area and contracted opening measurements at gage heights 23.97 and 31.62 ft; minimum discharge, 49 ft³/s, Aug. 14, 1911, gage height, 1.47 ft. Maximum discharge, since construction of Tioga Reservoir in 1979, 77,800 ft³/s, Jan. 20, 1996, gage height 19.71 ft; minimum discharge, 104 ft³/s, Sept. 3, 1991, gage height, 2.82 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 58,600 ft³/s, Apr 3, gage height, 17.40 ft; minimum discharge, 161 ft³/s, Aug 26, 27, 28, gage height, 2.70 ft.

01531000 CHEMUNG RIVER AT CHEMUNG, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,690	1,350	7,610	2,820	e1,900	2,180	17,600	2,600	752	1,090	260	5,140
2	1,490	1,220	12,100	2,940	e1,750	2,190	20,900	2,640	711	773	247	2,340
3	1,350	1,420	6,960	2,960	e1,650	2,020	52,000	2,330	664	549	236	1,110
4	1,320	2,090	5,390	6,840	1,680	1,820	26,300	2,080	636	486	227	673
5	1,210	2,660	4,320	7,070	1,600	e1,700	24,700	1,900	619	468	219	531
6	1,100	2,640	3,810	5,390	e1,550	e1,680	21,800	1,740	633	588	205	460
7	1,050	2,360	3,880	5,920	e1,650	1,860	18,800	1,620	838	544	194	398
8	1,010	2,030	5,400	6,160	2,400	5,810	14,500	1,540	782	594	190	371
9	976	1,730	4,460	6,350	e6,200	6,570	11,400	1,410	714	1,200	188	350
10	942	1,550	6,600	5,370	e12,000	4,360	9,730	1,350	654	1,240	261	331
11	897	1,460	18,100	4,950	8,190	3,360	6,720	1,320	3,660	797	270	315
12	842	1,400	14,000	5,120	5,190	3,120	4,610	1,230	1,570	626	226	305
13	822	1,320	8,470	17,800	4,390	2,930	3,750	1,150	2,550	541	248	299
14	817	1,270	6,760	42,000	3,810	2,660	3,410	1,100	1,750	474	284	292
15	840	1,150	5,170	21,400	4,550	e2,300	3,000	1,120	1,410	409	305	282
16	985	1,120	4,210	17,500	7,940	e2,200	2,760	1,110	1,190	382	272	280
17	1,120	1,090	3,710	13,200	7,650	2,120	2,570	1,070	1,120	367	265	278
18	1,000	1,090	3,280	8,800	5,250	2,340	2,400	1,010	1,100	372	244	279
19	1,440	1,090	2,990	4,770	e3,800	2,590	2,160	963	1,070	392	222	272
20	3,070	1,090	2,570	4,810	e3,500	2,990	1,980	928	911	371	216	276
21	2,470	1,120	e1,800	e4,200	3,450	4,870	2,040	905	806	340	211	262
22	2,200	1,130	e2,000	e2,900	3,350	4,720	2,040	877	770	328	203	237
23	1,950	1,100	2,950	e2,400	3,150	5,380	2,220	866	821	331	196	235
24	e1,600	1,100	10,700	e2,600	2,640	4,800	4,110	874	574	317	192	228
25	e1,500	2,180	5,090	e2,600	2,490	5,030	4,820	893	529	304	177	220
26	1,460	3,090	e3,200	e2,500	2,330	5,920	3,770	913	475	294	169	239
27	1,360	2,450	3,040	e2,300	2,110	6,630	3,150	990	448	293	166	284
28	1,240	6,810	2,280	e2,000	2,130	17,200	2,560	1,070	436	296	165	399
29	1,170	13,100	e2,550	e1,900	---	28,500	2,260	911	457	286	168	475
30	1,170	6,640	2,630	e2,000	---	19,900	2,160	840	920	277	335	435
31	1,500	---	2,620	e1,950	---	17,100	---	787	---	271	1,470	---
Total	41,591	69,850	168,650	219,520	108,300	176,850	280,220	40,137	29,570	15,600	8,231	17,596
Mean	1,342	2,328	5,440	7,081	3,868	5,705	9,341	1,295	986	503	266	587
Max	3,070	13,100	18,100	42,000	12,000	28,500	52,000	2,640	3,660	1,240	1,470	5,140
Min	817	1,090	1,800	1,900	1,550	1,680	1,980	787	436	271	165	220

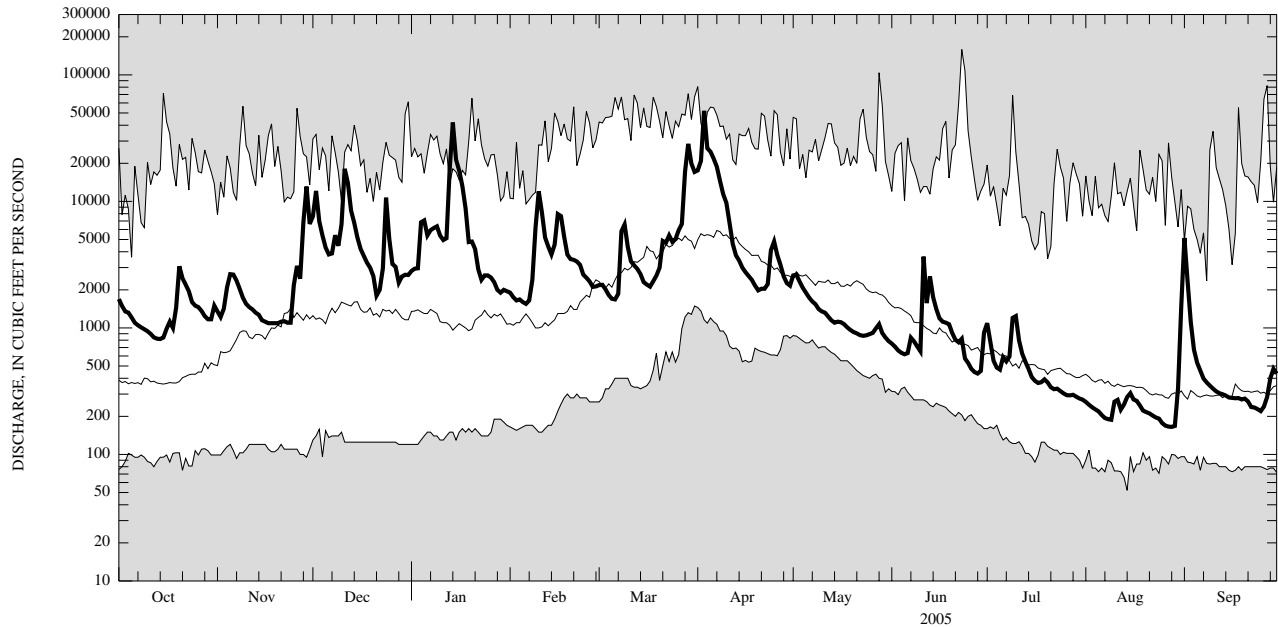
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,260	2,205	2,926	2,658	3,100	5,267	6,622	3,357	2,194	1,129	1,008	1,088
Max	6,774	8,107	6,688	8,569	7,695	10,420	21,600	8,901	7,418	3,601	5,001	10,270
(WY)	(1991)	(1997)	(1997)	(1996)	(1981)	(2003)	(1993)	(1996)	(1989)	(2003)	(1994)	(2004)
Min	199	266	282	459	631	1,750	2,214	696	280	196	161	169
(WY)	(1992)	(1999)	(1999)	(1981)	(1980)	(1981)	(1981)	(1985)	(1999)	(1991)	(1999)	(1991)

01531000 CHEMUNG RIVER AT CHEMUNG, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1980 - 2005	
Annual total	1,606,270		1,176,115			
Annual mean	4,389		3,222		2,729	
Highest annual mean					4,763	2004
Lowest annual mean					1,513	1999
Highest daily mean	55,100	Sep 18	52,000	Apr 3	65,400	Jan 20, 1996
Lowest daily mean	544	Jul 7	165	Aug 28	113	Sep 3, 1991
Annual seven-day minimum	606	Jul 1	176	Aug 23	125	Sep 1, 1991
10 percent exceeds	9,360		6,740		6,240	
50 percent exceeds	2,620		1,550		1,260	
90 percent exceeds	1,060		277		277	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

03010734 ISCHUA CREEK TRIBUTARY NEAR MACHIAS, NY

Upper Allegheny Watershed

LOCATION.--Lat 42°24'28", long 78°31'33" referenced to North American Datum of 1927, Cattaraugus County, Hydrologic Unit 05010001, at culvert on Very Road, 0.2 mi upstream from mouth, 0.7 mi north of State Highway 242, and 1.5 mi west of Machias.

DRAINAGE AREA.--5.12 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Annual maximum only--1978-81, 1983 to current year.

GAGE.--Crest-stage partial-record station. Elevation of gage is 1,680 ft above NGVD of 1929, from topographic map.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 570 ft³/s, Sept. 14, 1979, gage height 10.59 ft.

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 3, 2005	202	---	9.40	---

03011020 ALLEGHENY RIVER AT SALAMANCA, NY

Upper Allegheny Watershed

LOCATION.--Lat 42°09'23", long 78°42'56" referenced to North American Datum of 1927, Cattaraugus County, Hydrologic Unit 05010001, on left bank 230 ft upstream from Main Street bridge in Salamanca, 1.3 mi downstream from Great Valley Creek, and 1.6 mi upstream from Little Valley Creek.

DRAINAGE AREA.--1,608 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1903 to current year. Monthly discharge only for some periods, published in WSP 1305. Prior to October 1964, published as "at Red House."

REVISED RECORDS.--WSP 1385: 1907, 1909-12, 1913(M), 1914-15, 1916-17(M), 1925, 1927. WSP 1907: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,358.00 ft above NGVD of 1929 (Corps of Engineers bench mark). Prior to Sept. 3, 1917, nonrecording gage and Sept. 4, 1917 to Sept. 30, 1964, water-stage recorder at site 7.5 mi downstream at different datum.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 73,000 ft³/s, June 23, 1972, gage height, 24.01 ft, from floodmarks; minimum instantaneous discharge not determined.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 17,000 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 14	1600	*22,900	*11.82
Apr 03	0645	17,200	9.97

Minimum discharge, 158 ft³/s, Aug 28, 29, 30, gage height, 2.59 ft.

03011020 ALLEGHENY RIVER AT SALAMANCA, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,270	842	7,190	4,340	e1,750	1,810	13,000	3,510	695	711	275	6,830
2	1,150	828	10,000	3,630	e1,600	1,760	14,100	3,030	649	551	254	2,760
3	1,090	1,940	8,280	e4,200	e1,500	1,560	16,900	2,840	627	535	289	1,420
4	1,010	2,100	6,710	8,220	e1,550	e1,450	15,500	2,630	638	472	270	949
5	934	2,920	5,250	8,060	e1,500	e1,350	14,500	2,340	652	417	227	721
6	874	3,000	4,330	7,270	e1,450	1,360	12,600	2,090	702	1,100	209	592
7	815	2,390	3,900	8,310	e1,600	1,520	10,700	1,940	1,040	2,050	199	494
8	765	2,040	5,360	6,810	e2,400	4,160	8,760	1,820	946	1,680	191	431
9	721	1,820	5,070	5,850	5,020	3,920	6,630	1,660	845	2,230	187	392
10	685	1,630	5,230	5,100	e6,200	2,960	5,180	1,530	760	1,470	185	358
11	659	1,520	5,510	4,520	e5,200	2,860	4,300	1,430	914	1,060	192	332
12	635	1,410	5,680	5,060	4,480	e2,450	3,600	1,330	962	841	188	308
13	611	1,310	5,470	13,200	3,610	e2,250	3,120	1,220	949	713	206	291
14	594	1,200	4,950	21,700	3,050	e1,950	2,760	1,180	758	628	304	275
15	591	1,100	4,140	20,400	3,810	e1,800	2,440	1,500	679	570	259	262
16	622	1,050	3,500	17,100	5,750	1,790	2,170	1,410	939	534	233	261
17	626	1,020	3,230	12,700	5,520	1,700	1,960	1,210	1,100	608	204	282
18	651	992	2,880	7,970	4,440	1,710	1,820	1,100	932	583	186	273
19	1,060	954	2,740	5,160	3,680	1,720	1,700	1,030	783	533	181	266
20	1,400	969	2,170	e4,600	3,360	2,190	1,620	987	684	458	195	263
21	1,110	1,120	1,750	e3,650	3,170	3,260	1,820	942	610	398	212	244
22	866	1,110	2,180	2,790	2,970	3,000	1,700	896	550	369	205	229
23	772	1,030	6,990	2,420	2,680	3,400	2,620	865	499	350	193	230
24	722	999	15,500	e2,500	2,290	3,290	3,710	857	461	330	185	218
25	759	1,300	10,800	e2,500	2,140	3,380	3,630	866	433	320	178	208
26	750	1,760	7,750	e2,400	2,060	3,590	3,180	844	407	319	171	631
27	699	1,650	5,300	e2,200	e1,750	4,000	2,850	770	403	476	165	1,450
28	653	3,080	3,770	e1,900	1,790	5,650	2,680	756	393	497	159	926
29	627	5,410	3,830	e1,750	---	9,080	2,470	848	971	447	158	859
30	759	4,740	3,290	e1,800	---	10,500	2,700	859	1,000	357	271	1,130
31	958	---	3,490	e1,800	---	11,400	---	760	---	305	5,430	---
Total	25,438	53,234	166,240	199,910	86,320	102,820	170,720	45,050	21,981	21,912	11,761	23,885
Mean	821	1,774	5,363	6,449	3,083	3,317	5,691	1,453	733	707	379	796
Max	1,400	5,410	15,500	21,700	6,200	11,400	16,900	3,510	1,100	2,230	5,430	6,830
Min	591	828	1,750	1,750	1,450	1,350	1,620	756	393	305	158	208
Cfsm	0.51	1.10	3.33	4.01	1.92	2.06	3.54	0.90	0.46	0.44	0.24	0.50
In.	0.59	1.23	3.85	4.62	2.00	2.38	3.95	1.04	0.51	0.51	0.27	0.55

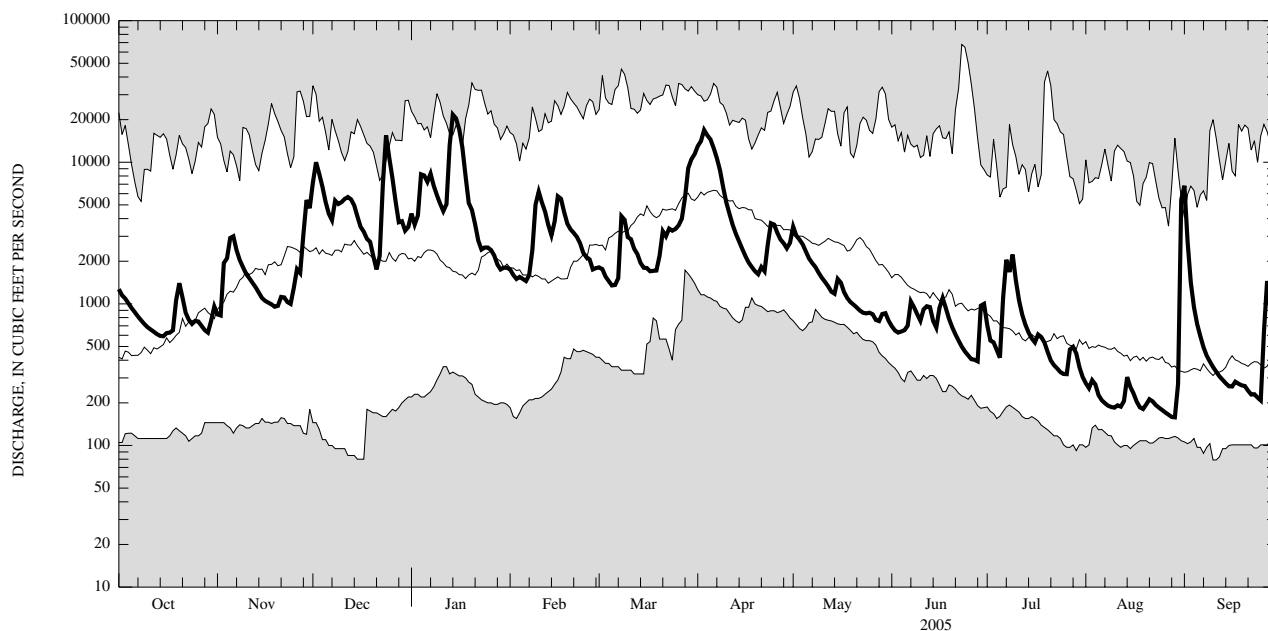
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,331	2,522	3,113	3,343	3,158	5,912	5,807	3,462	2,017	1,117	766	890
Max	5,801	8,605	9,147	10,200	9,683	14,850	15,540	9,574	11,520	6,074	5,108	7,477
(WY)	(1991)	(1928)	(1928)	(1913)	(1976)	(1936)	(1940)	(1943)	(1972)	(1942)	(2003)	(1977)
Min	124	146	189	255	550	1,983	970	796	299	150	119	118
(WY)	(1931)	(1931)	(1961)	(1961)	(1905)	(1937)	(1946)	(1985)	(1934)	(1934)	(1930)	(1932)

03011020 ALLEGHENY RIVER AT SALAMANCA, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1904 - 2005	
Annual total	1,320,871		929,271			
Annual mean	3,609		2,546		2,783	
Highest annual mean					4,174	1916
Lowest annual mean					1,777	1999
Highest daily mean	20,000	Sep 10	21,700	Jan 14	67,900	Jun 23, 1972
Lowest daily mean	393	Jul 12	158	Aug 29	79	Sep 10, 1971
Annual seven-day minimum	465	Jul 7	173	Aug 23	84	Dec 11, 1908
Annual runoff (cfsm)	2.24		1.58		1.73	
Annual runoff (inches)	30.56		21.50		23.52	
10 percent exceeds	8,290		5,660		6,720	
50 percent exceeds	2,160		1,430		1,520	
90 percent exceeds	760		272		290	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.



Water-Data Report NY-2005

03013800 BALL CREEK AT STOW, NY

Conewango Watershed

LOCATION.--Lat 42°09'13", long 79°24'27" referenced to North American Datum of 1927, Chautauqua County, Hydrologic Unit 05010002, on right bank 38 ft upstream from State Highway 394 bridge at Stow, 0.4 mi upstream from mouth.

DRAINAGE AREA.--9.58 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Miscellaneous measurements--1955, 1957-60, 1963-64, 1967-68, continuous record--October 1973 to September 1974, annual maximum only--1975 to current year.

GAGE.--Crest-stage partial-record station. Elevation of gage is 1,330 ft above NGVD of 1929, from topographic map.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,000 ft³/s, Sept. 14, 1979, gage height, 21.88 ft.

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 2, 2005	580	---	14.83	---

Water-Data Report NY-2005

03013946 CHAUTAUQUA LAKE AT BEMUS POINT, NY

Conewango Watershed

LOCATION.--Lat 42°09'23", long 79°23'39" referenced to North American Datum of 1927, Chautauqua County, Hydrologic Unit 05010002, 6 ft east of lake shore, 30 ft south of the intersection of Pauline Avenue and Lakeside Avenue, and 950 ft southeast of the ferry landing at Bemus Point.

DRAINAGE AREA.--189 mi².

WATER-STAGE RECORDS

PERIOD OF RECORD.--October 1972 to September 1973; November 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929. Prior to Nov. 1974 at site 950 ft northwest at same datum.

REMARKS.--Lake regulated for flood control by Warner Dam. Area of water surface, 20.98 mi². Telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 1,311.23 ft, Mar. 5, 1976; minimum elevation, 1,306.20 ft, Dec. 16, 1998.

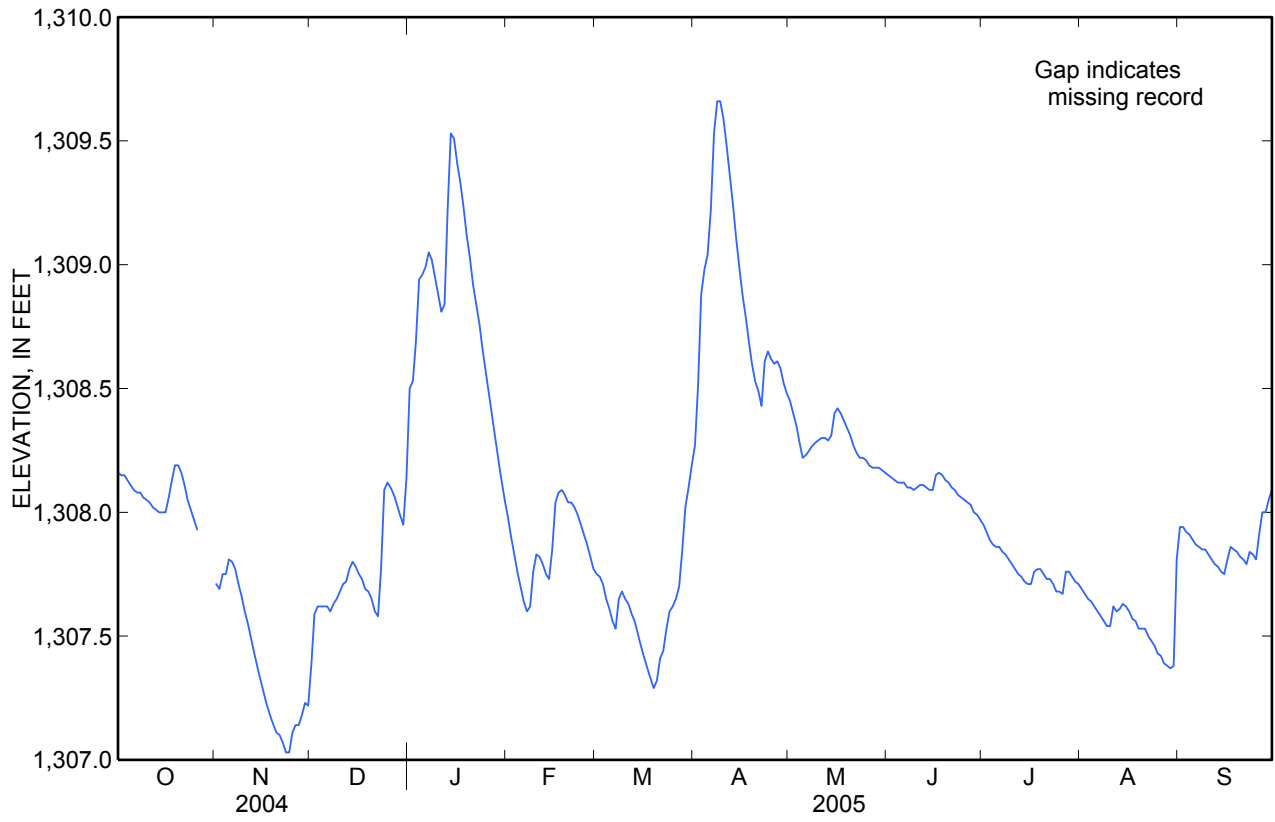
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 1,309.69 ft, Apr 8, 9; minimum elevation, 1,306.98 ft, Nov 25.

03013946 CHAUTAUQUA LAKE AT BEMUS POINT, NY—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,308.16	1,307.71	1,307.39	1,308.50	1,307.98	1,307.75	1,308.27	1,308.45	1,308.15	1,307.95	1,307.69	1,307.94
2	1,308.15	1,307.69	1,307.59	1,308.53	1,307.90	1,307.74	1,308.52	1,308.40	1,308.14	1,307.92	1,307.67	1,307.94
3	1,308.15	1,307.75	1,307.62	1,308.69	1,307.83	1,307.71	1,308.88	1,308.35	1,308.13	1,307.89	1,307.65	1,307.92
4	1,308.13	1,307.75	1,307.62	1,308.94	1,307.76	1,307.65	1,308.98	1,308.28	1,308.12	1,307.87	1,307.64	1,307.91
5	1,308.11	1,307.81	1,307.62	1,308.96	1,307.70	1,307.61	1,309.04	1,308.22	1,308.12	1,307.86	1,307.62	1,307.89
6	1,308.09	1,307.80	1,307.62	1,308.99	1,307.64	1,307.56	1,309.22	1,308.23	1,308.12	1,307.86	1,307.60	1,307.87
7	1,308.08	1,307.77	1,307.60	1,309.05	1,307.60	1,307.53	1,309.53	1,308.25	1,308.10	1,307.84	1,307.58	1,307.86
8	1,308.08	1,307.71	1,307.63	1,309.02	1,307.62	1,307.65	1,309.66	1,308.27	1,308.10	1,307.83	1,307.56	1,307.85
9	1,308.06	1,307.66	1,307.65	1,308.95	1,307.76	1,307.68	1,309.66	1,308.28	1,308.09	1,307.81	1,307.54	1,307.85
10	1,308.05	1,307.60	1,307.68	1,308.88	1,307.83	1,307.65	1,309.59	1,308.29	1,308.10	1,307.79	1,307.54	1,307.83
11	1,308.04	1,307.55	1,307.71	1,308.81	1,307.82	1,307.63	1,309.48	1,308.30	1,308.11	1,307.77	1,307.62	1,307.81
12	1,308.02	1,307.49	1,307.72	1,308.84	1,307.79	1,307.59	1,309.36	1,308.30	1,308.11	1,307.75	1,307.60	1,307.79
13	1,308.01	1,307.43	1,307.77	1,309.22	1,307.75	1,307.56	1,309.24	1,308.29	1,308.10	1,307.74	1,307.61	1,307.78
14	1,308.00	1,307.37	1,307.80	1,309.53	1,307.73	1,307.51	1,309.11	1,308.31	1,308.09	1,307.72	1,307.63	1,307.76
15	1,308.00	1,307.32	1,307.78	1,309.51	1,307.85	1,307.46	1,308.99	1,308.40	1,308.09	1,307.71	1,307.62	1,307.75
16	1,308.00	1,307.27	1,307.75	1,309.41	1,308.04	1,307.41	1,308.88	1,308.42	1,308.15	1,307.71	1,307.60	1,307.81
17	1,308.06	1,307.22	1,307.73	1,309.33	1,308.08	1,307.37	1,308.79	1,308.40	1,308.16	1,307.76	1,307.57	1,307.86
18	1,308.13	1,307.18	1,307.69	1,309.23	1,308.09	1,307.33	1,308.69	1,308.37	1,308.15	1,307.77	1,307.56	1,307.85
19	1,308.19	1,307.14	1,307.68	1,309.12	1,308.07	1,307.29	1,308.60	1,308.34	1,308.13	1,307.77	1,307.53	1,307.84
20	1,308.19	1,307.11	1,307.65	1,309.03	1,308.04	1,307.32	1,308.53	1,308.31	1,308.12	1,307.75	1,307.53	1,307.82
21	1,308.16	1,307.10	1,307.60	1,308.92	1,308.04	1,307.41	1,308.49	1,308.27	1,308.10	1,307.73	1,307.53	1,307.81
22	1,308.11	1,307.07	1,307.58	1,308.84	1,308.02	1,307.44	1,308.43	1,308.24	1,308.09	1,307.73	1,307.50	1,307.79
23	1,308.05	1,307.03	1,307.77	1,308.76	1,307.99	1,307.53	1,308.61	1,308.22	1,308.07	1,307.71	1,307.48	1,307.84
24	1,308.01	1,307.03	1,308.09	1,308.66	1,307.95	1,307.60	1,308.65	1,308.22	1,308.06	1,307.68	1,307.46	1,307.83
25	1,307.97	1,307.11	1,308.12	1,308.57	1,307.91	1,307.62	1,308.62	1,308.21	1,308.05	1,307.68	1,307.43	1,307.81
26	1,307.93	1,307.14	1,308.10	1,308.48	1,307.87	1,307.65	1,308.60	1,308.19	1,308.04	1,307.67	1,307.42	1,307.91
27	---	1,307.14	1,308.07	1,308.39	1,307.82	1,307.70	1,308.61	1,308.18	1,308.03	1,307.76	1,307.39	1,308.00
28	---	1,307.18	1,308.03	1,308.30	1,307.77	1,307.85	1,308.58	1,308.18	1,308.00	1,307.76	1,307.38	1,308.00
29	---	1,307.23	1,307.99	1,308.21	---	1,308.02	1,308.52	1,308.18	1,307.99	1,307.74	1,307.37	1,308.05
30	---	1,307.22	1,307.95	1,308.13	---	1,308.10	1,308.48	1,308.17	1,307.97	1,307.72	1,307.38	1,308.09
31	---	---	1,308.14	1,308.05	---	1,308.19	---	1,308.16	---	1,307.71	1,307.81	---
Mean	---	1,307.39	1,307.77	1,308.83	1,307.87	1,307.62	1,308.89	1,308.28	1,308.09	1,307.77	1,307.55	1,307.87
Max	---	1,307.81	1,308.14	1,309.53	1,308.09	1,308.19	1,309.66	1,308.45	1,308.16	1,307.95	1,307.81	1,308.09
Min	---	1,307.03	1,307.39	1,308.05	1,307.60	1,307.29	1,308.27	1,308.16	1,307.97	1,307.67	1,307.37	1,307.75

03013946 CHAUTAUQUA LAKE AT BEMUS POINT, NY—Continued



Water-Data Report NY-2005

03014500 CHADAKOIN RIVER AT FALCONER, NY

Conewango Watershed

LOCATION.--Lat 42°06'45", long 79°12'15" referenced to North American Datum of 1927, Chautauqua County, Hydrologic Unit 05010002, on left bank 10 ft downstream from South Dow Street Bridge in Falconer, 1.8 mi upstream from mouth, and 6 mi downstream from Chautauqua Lake.

DRAINAGE AREA.--194 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1934 to current year.

REVISED RECORDS.--WSP 803: 1936(M). WDR NY-98-3: 1997 (M).

GAGE.--Water-stage recorder, crest-stage gage, and concrete control. Datum of gage is 1,256.41 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Flow regulated by Chautauqua Lake. Diurnal fluctuation caused by mills upstream from station. Monthly figures for 1951-66 water years adjusted for regulation. Telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,250 ft³/s, Sept. 14, 1979, gage height, 4.93 ft; minimum discharge, 2.5 ft³/s, Sept. 18, 1995; minimum gage height, 0.02 ft, Sep. 30, 2005.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,470 ft³/s, Jan 14, gage height, 3.55 ft; minimum discharge, 4.3 ft³/s, Sep 30, gage height, 0.02 ft.

03014500 CHADAKOIN RIVER AT FALCONER, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	71	489	364	752	704	565	691	814	95	74	47	90
2	70	496	335	793	678	568	748	801	96	72	47	85
3	69	496	337	1,030	656	563	762	785	82	72	47	82
4	70	501	332	1,100	614	552	779	768	75	73	47	79
5	68	516	334	1,100	556	548	991	406	74	66	45	78
6	68	499	458	1,130	551	541	1,220	91	75	63	43	77
7	68	495	519	1,140	545	e550	1,370	90	70	65	43	75
8	68	496	542	1,130	569	566	1,440	89	60	74	50	73
9	68	485	526	1,090	578	564	1,440	89	58	70	72	72
10	68	476	533	1,070	579	554	1,400	89	72	70	78	72
11	68	475	540	1,030	573	551	1,320	89	66	72	64	72
12	68	468	539	1,110	571	546	1,240	89	66	72	63	72
13	68	463	547	1,230	563	542	1,200	87	62	72	65	73
14	68	457	548	1,390	561	535	1,150	94	63	70	63	72
15	69	448	539	1,350	586	529	1,040	90	65	66	55	73
16	69	443	530	1,300	600	521	865	140	69	72	60	76
17	67	436	536	1,270	600	514	852	277	68	89	59	72
18	183	432	527	1,220	600	504	838	276	87	65	58	70
19	475	423	532	1,160	595	399	825	275	84	63	61	70
20	472	424	e510	1,130	592	349	828	274	78	62	59	70
21	471	423	527	1,080	596	344	807	274	80	62	52	68
22	468	385	533	1,030	592	347	811	274	76	62	54	72
23	461	308	e530	1,010	591	350	837	154	76	62	56	74
24	463	311	e590	959	584	350	833	106	71	62	63	66
25	463	319	e590	924	581	392	832	105	71	61	64	66
26	460	314	e570	891	579	511	813	105	79	69	64	106
27	314	307	e570	855	570	516	833	103	81	54	67	48
28	495	328	e570	815	564	560	835	106	83	49	68	51
29	492	318	574	785	---	661	809	101	82	47	74	95
30	505	317	570	758	---	667	817	99	77	47	109	69
31	497	---	647	731	---	677	---	99	---	47	142	---
Total	7,384	12,748	15,899	32,363	16,528	15,936	29,226	7,239	2,241	2,024	1,939	2,218
Mean	238	425	513	1,044	590	514	974	234	74.7	65.3	62.5	73.9
Max	505	516	647	1,390	704	677	1,440	814	96	89	142	106
Min	67	307	332	731	545	344	691	87	58	47	43	48

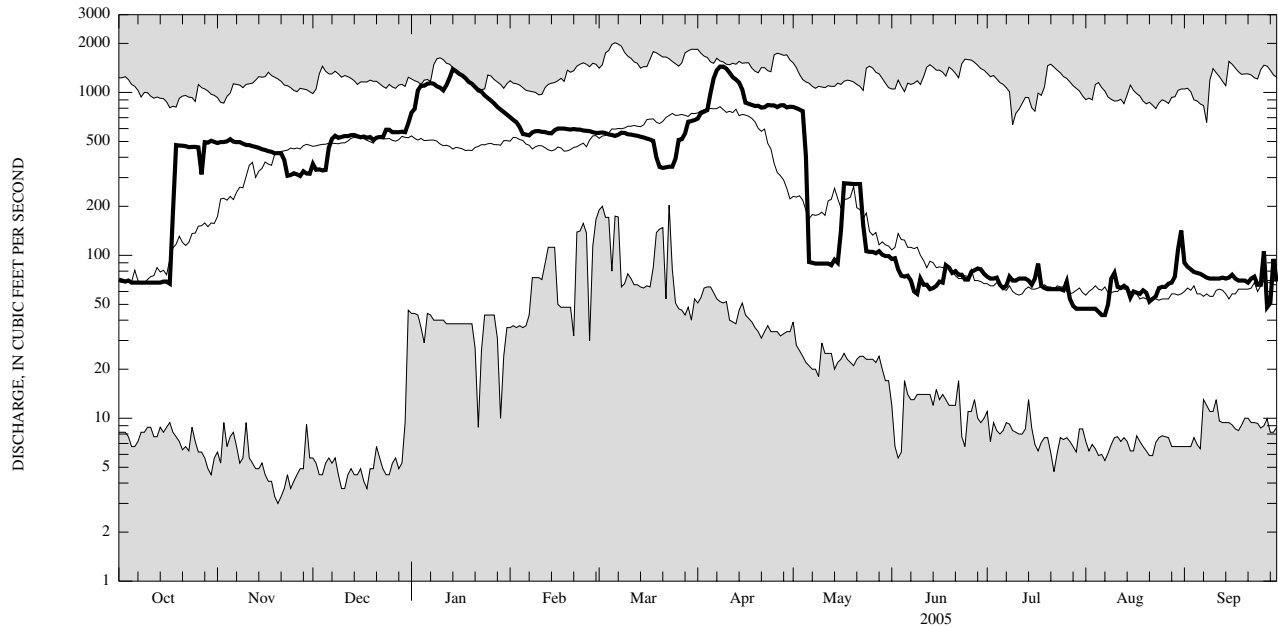
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	213	379	505	528	520	676	638	317	207	120	109	157
Max	751	997	997	1,120	989	1,358	1,305	974	852	729	540	735
(WY)	(1946)	(1986)	(1951)	(1998)	(1990)	(1976)	(1947)	(1943)	(1986)	(1986)	(1977)	(2004)
Min	8.12	5.69	6.38	36.3	195	282	53.1	58.5	15.1	8.55	7.44	17.8
(WY)	(1964)	(1961)	(1961)	(1961)	(1963)	(1983)	(1946)	(1941)	(1954)	(1954)	(1954)	(1941)

03014500 CHADAKOIN RIVER AT FALCONER, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1935 - 2005	
Annual total	186,515		145,745			
Annual mean	510		399		365	
Highest annual mean					561	2004
Lowest annual mean					222	1999
Highest daily mean	1,450	May 25	1,440	Apr 8	2,020	Mar 6, 1976
Lowest daily mean	39	Aug 27	43	Aug 6	3.0	Nov 20, 1960
Annual seven-day minimum	62	Aug 31	46	Aug 1	3.7	Nov 18, 1960
10 percent exceeds	967		859		832	
50 percent exceeds	492		350		293	
90 percent exceeds	68		63		37	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04213376 CANADAWAY CREEK AT FREDONIA, NY

Chautauqua - Conneaut Watershed

LOCATION.--Lat 42°27'02", long 79°21'03" referenced to North American Datum of 1927, Chautauqua County, Hydrologic Unit 04120101, at bridge on Van Buren Road (Matteson Street), 0.8 mi northwest of Fredonia corporate boundary, and 1.2 mi upstream from Beaver Creek.

DRAINAGE AREA.--32.9 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Miscellaneous measurements--1962-63, annual maximum only --1987 to current year.

GAGE.--Crest-stage partial-record station. Elevation of gage is 650 ft above NGVD of 1929, from topographic map.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,000 ft³/s, Aug. 7, 1979, maximum gage height, 9.50 ft, May 19, 1997.

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Dec 23, 2004	2,390	---	5.01	---

04213500 CATTARAUGUS CREEK AT GOWANDA, NY

Cattaraugus Watershed

LOCATION.--Lat 42°27'50", long 78°56'07" referenced to North American Datum of 1927, Erie County, Hydrologic Unit 04120102, on right bank 380 ft downstream from bridge on State Highways 39 and 62 at Gowanda, 4.2 mi downstream from South Branch, and 17.8 mi upstream from mouth.

DRAINAGE AREA.--436 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1939 to March 1998, October 1999 to current year.

REVISED RECORDS.--WSP 1912; WDR NY-82-3: Drainage area. WDR NY 1971: 1956(M). WDR NY 1974: 1940-42 (M, P).

GAGE.--Water-stage recorder. Datum of gage is 738.85 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Diurnal fluctuation at low and medium flow caused by powerplant 20 mi upstream from station. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 34,600 ft³/s, Mar. 7, 1956, gage height, 14.03 ft; minimum discharge, about 6 ft³/s, Aug. 21, 1941, result of regulation; minimum gage height, 0.90 ft, Oct. 26, 1951.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,000 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 23	1705	*12,000	*8.14
Jan 14	0535	8,110	6.87

Minimum discharge, 67 ft³/s, Aug 27, gage height, 1.05 ft.

04213500 CATTARAUGUS CREEK AT GOWANDA, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	266	441	2,370	2,590	e550	634	3,600	1,070	224	187	115	1,120
2	263	403	1,980	1,380	e530	e620	5,110	808	212	149	110	447
3	273	1,280	1,180	1,980	e560	e580	4,490	754	206	133	103	244
4	253	984	918	2,810	566	e580	2,900	712	209	126	97	179
5	239	2,160	1,010	1,670	550	e550	3,670	633	205	141	96	150
6	230	1,070	937	1,580	e570	e550	5,600	583	224	438	94	131
7	223	723	832	1,810	706	e740	3,970	548	218	267	89	118
8	215	591	1,340	1,290	e1,900	2,680	2,480	516	193	182	85	118
9	208	540	1,060	1,100	2,790	1,460	1,720	476	188	208	84	120
10	203	490	996	1,080	1,960	1,050	1,390	462	183	195	82	108
11	204	457	1,130	1,060	1,150	e900	1,170	431	230	147	84	102
12	203	417	1,150	2,380	1,020	e750	1,010	398	346	132	95	96
13	196	380	1,040	5,560	811	e680	906	371	253	124	146	92
14	196	352	946	5,860	839	e600	819	397	244	120	147	89
15	203	336	830	2,430	1,970	e570	750	580	225	113	133	110
16	217	331	762	1,530	2,230	e570	692	447	552	167	105	1,210
17	467	323	762	1,260	1,410	e560	648	384	473	414	92	533
18	786	331	691	1,020	1,040	e550	612	356	316	213	86	220
19	769	324	728	e980	969	e580	576	335	266	187	82	157
20	640	362	526	e1,000	901	890	590	322	234	131	83	261
21	471	489	628	854	874	1,350	825	304	204	122	86	193
22	385	419	727	e720	857	1,070	727	290	185	137	82	142
23	331	359	5,410	e760	797	1,370	2,850	283	176	155	83	178
24	375	372	3,860	e770	696	1,030	2,190	285	162	120	83	148
25	427	726	1,620	e880	689	1,170	1,600	281	151	124	77	127
26	359	635	1,190	e840	665	1,380	1,230	261	145	117	73	375
27	312	564	927	e720	574	1,700	1,020	251	139	352	70	746
28	285	1,580	767	e550	e630	3,090	853	258	180	325	73	338
29	275	1,360	848	e590	---	3,890	755	275	160	182	76	492
30	719	832	790	e640	---	3,170	853	251	247	143	88	480
31	739	---	3,050	e600	---	3,710	---	238	---	128	2,400	---
Total	10,932	19,631	41,005	48,294	28,804	39,024	55,606	13,560	6,950	5,679	5,199	8,824
Mean	353	654	1,323	1,558	1,029	1,259	1,854	437	232	183	168	294
Max	786	2,160	5,410	5,860	2,790	3,890	5,600	1,070	552	438	2,400	1,210
Min	196	323	526	550	530	550	576	238	139	113	70	89
Cfsm	0.81	1.50	3.03	3.57	2.36	2.89	4.25	1.00	0.53	0.42	0.38	0.67
In.	0.93	1.67	3.50	4.12	2.46	3.33	4.74	1.16	0.59	0.48	0.44	0.75

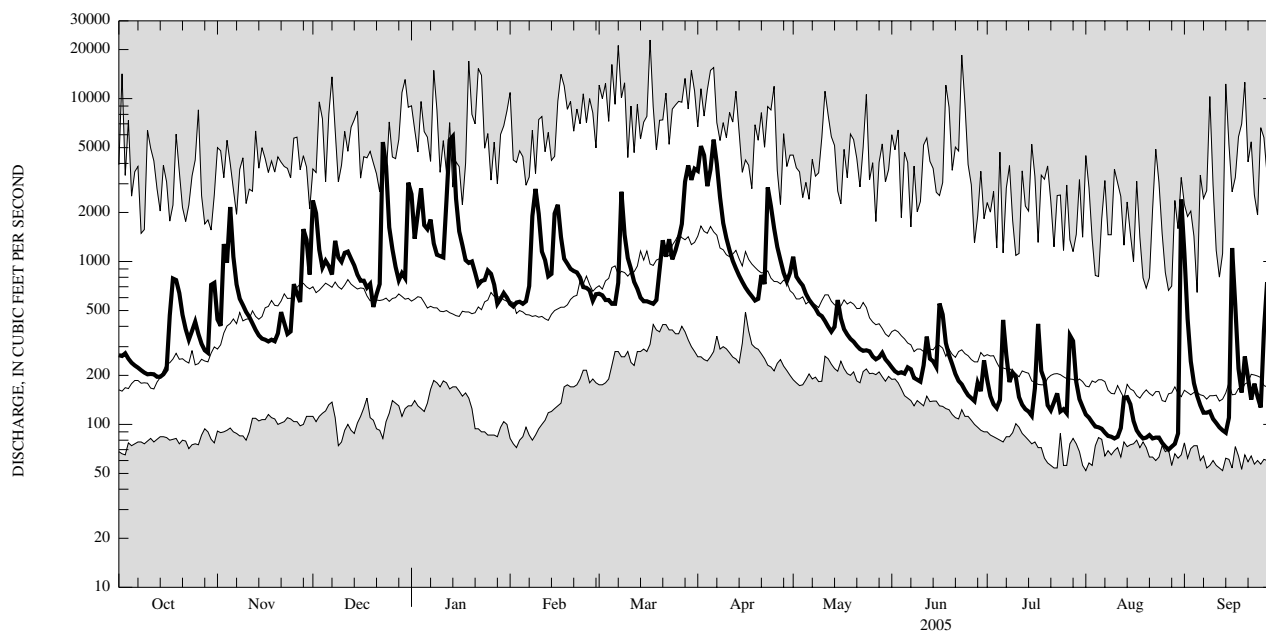
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	406	721	962	856	949	1,587	1,457	757	493	297	250	329
Max	1,573	1,772	2,089	2,305	2,819	3,824	3,686	1,948	1,436	867	1,225	2,423
(WY)	(1946)	(1986)	(1991)	(1998)	(1976)	(1945)	(1947)	(1943)	(1989)	(1986)	(1977)	(1977)
Min	81.8	118	111	136	222	790	279	283	143	78.3	79.5	85.8
(WY)	(1964)	(1961)	(1961)	(1961)	(1963)	(2001)	(1946)	(1941)	(1955)	(1955)	(1941)	(1960)

04213500 CATTARAUGUS CREEK AT GOWANDA, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1940 - 2005	
Annual total	347,877		283,508			
Annual mean	950		777		750	
Highest annual mean					1,030	1977
Lowest annual mean					532	1995
Highest daily mean	10,600	May 24	5,860	Jan 14	22,900	Mar 17, 1942
Lowest daily mean	168	Sep 7	70	Aug 27	52	Sep 13, 1945
Annual seven-day minimum	202	Oct 9	76	Aug 23	57	Sep 7, 1945
Annual runoff (cfsm)	2.18		1.78		1.72	
Annual runoff (inches)	29.68		24.19		23.39	
10 percent exceeds	2,000		1,710		1,600	
50 percent exceeds	598		526		428	
90 percent exceeds	245		118		127	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD. SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04214500 BUFFALO CREEK AT GARDENVILLE, NY

Buffalo - Eighteenmile Watershed

LOCATION.--Lat 42°51'17", long 78°45'19" referenced to North American Datum of 1927, Erie County, Hydrologic Unit 04120103, on left bank 300 ft downstream from bridge on Union Road in Gardenville, 2.0 mi upstream from Cayuga Creek, and 10.1 mi upstream from mouth.

DRAINAGE AREA.--142 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1938 to current year.

REVISED RECORDS.--WSP 1337: 1939-52. WSP 1912; WDR NY-82-3: Drainage area. WDR NY-78-1: 1939-1976 (P).

GAGE.--Water-stage recorder. Datum of gage is 603.65 ft above NGVD of 1929. Prior to Sept. 26, 1968, water-stage recorder at site 400 ft downstream at same datum.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,300 ft³/s, Mar. 1, 1955, Mar. 7, 1956, maximum gage height, 14.34 ft, Mar. 21, 1978 (ice jam); minimum discharge, 0.2 ft³/s, Sep. 1, 1964.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,750 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 23	2130	5,450	6.76
Feb 08	2130	*7,350	*7.78
Jun 10	0700	5,960	7.05
Sep 16	2130	6,900	7.55

Minimum daily discharge, about 9.0 ft³/s, Aug. 11. Minimum instantaneous discharge not determined.

04214500 BUFFALO CREEK AT GARDENVILLE, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	40	192	1,230	893	e100	e120	538	255	36	32	29	340
2	42	166	717	373	e96	e120	1,520	170	34	31	34	98
3	44	516	347	626	e94	e110	1,520	138	33	28	27	56
4	41	424	267	884	e98	e120	1,070	121	32	27	23	41
5	38	1,010	323	445	e96	e120	1,490	107	33	48	21	33
6	35	360	297	424	e100	136	2,050	99	32	34	e19	29
7	34	216	233	653	e130	245	1,140	92	37	44	e17	26
8	33	162	355	339	e700	1,220	572	84	35	54	e15	24
9	32	127	245	268	1,230	425	353	77	31	52	e12	24
10	31	108	220	315	508	e240	253	72	1,720	37	e10	23
11	30	98	369	321	e260	e180	207	68	222	30	e9.0	22
12	30	89	403	717	e220	e150	177	63	206	26	e20	21
13	30	79	387	1,740	e180	e140	160	57	263	25	34	21
14	30	70	308	1,680	e240	e110	145	63	361	25	30	19
15	31	68	231	e480	e1,000	e110	133	241	184	23	36	22
16	44	69	188	e280	923	e115	121	135	201	27	29	2,280
17	368	69	200	e220	432	e120	113	87	352	67	24	806
18	456	76	150	e130	e260	e140	106	70	221	e63	22	183
19	216	73	183	e150	e180	e170	101	62	145	45	33	103
20	225	80	e100	e190	e180	377	99	56	93	37	37	93
21	132	159	e110	e160	e170	532	159	52	69	30	39	100
22	107	121	e120	e130	e190	358	128	47	55	27	48	59
23	89	92	e1,600	e120	e190	506	811	46	47	25	32	57
24	73	169	1,090	e130	e140	287	897	48	41	23	25	49
25	79	767	e320	e140	e145	423	517	51	37	22	22	48
26	78	359	e240	e140	e140	447	327	47	34	22	20	332
27	66	228	e180	e130	e100	552	222	42	34	102	20	591
28	58	423	e160	e100	e130	811	190	40	34	124	21	168
29	54	494	e200	e90	---	833	154	42	33	71	e16	219
30	830	261	217	e100	---	603	157	41	32	48	e14	251
31	416	---	1,940	e110	---	597	---	39	---	36	1,110	---
Total	3,812	7,125	12,930	12,478	8,232	10,417	15,430	2,612	4,687	1,285	1,848.0	6,138
Mean	123	238	417	403	294	336	514	84.3	156	41.5	59.6	205
Max	830	1,010	1,940	1,740	1,230	1,220	2,050	255	1,720	124	1,110	2,280
Min	30	68	100	90	94	110	99	39	31	22	9.0	19
Cfsm	0.87	1.67	2.94	2.83	2.07	2.37	3.62	0.59	1.10	0.29	0.42	1.44
In.	1.00	1.87	3.39	3.27	2.16	2.73	4.04	0.68	1.23	0.34	0.48	1.61

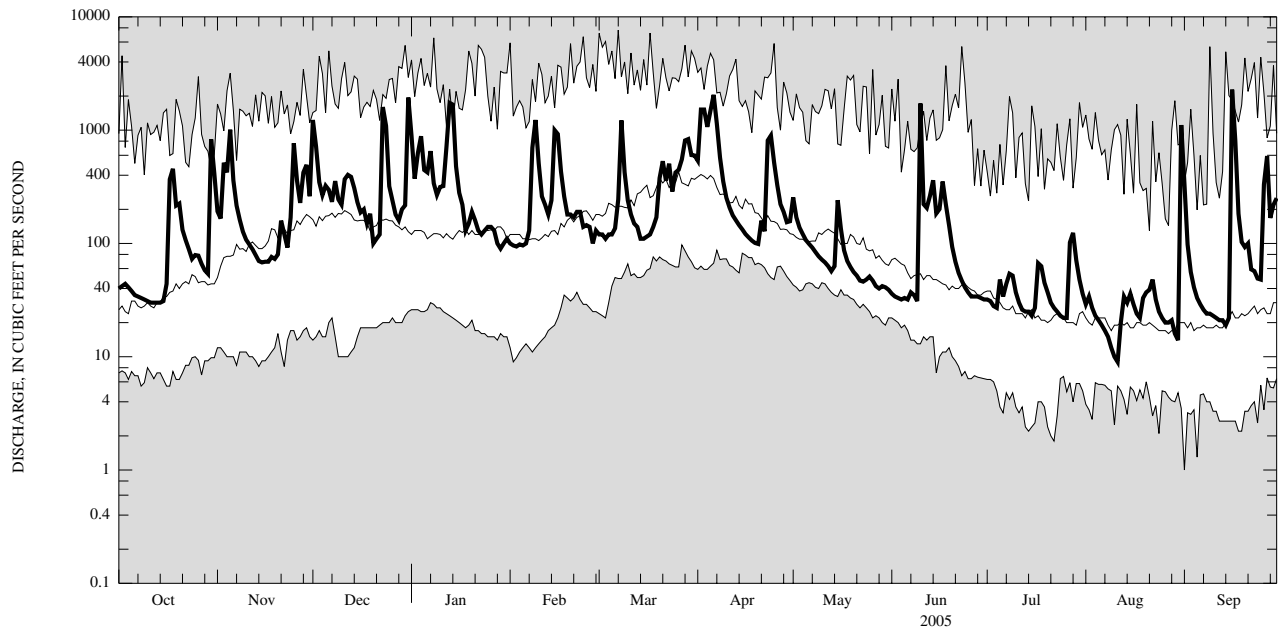
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	92.2	202	289	260	303	491	375	183	105	53.4	47.5	77.6
Max	381	686	706	725	835	1,048	950	495	531	354	376	827
(WY)	(1987)	(1986)	(1991)	(1998)	(1976)	(1942)	(1947)	(1984)	(1989)	(1992)	(1992)	(1977)
Min	9.32	18.2	17.4	27.4	40.2	197	68.8	38.5	15.6	6.89	10.8	6.25
(WY)	(1965)	(1961)	(1961)	(1961)	(1963)	(1981)	(1946)	(1941)	(1955)	(1955)	(1966)	(1964)

04214500 BUFFALO CREEK AT GARDENVILLE, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1939 - 2005	
Annual total	99,801		86,994.0			
Annual mean	273		238		206	
Highest annual mean					301	1977
Lowest annual mean					119	1999
Highest daily mean	5,460	Sep 9	2,280	Sep 16	7,650	Mar 7, 1956
Lowest daily mean	22	Jul 4	9.0	Aug 11	1.0	Sep 1, 1964
Annual seven-day minimum	29	Jun 28	15	Aug 6	2.6	Sep 13, 1964
Annual runoff (cfsm)	1.92		1.68		1.45	
Annual runoff (inches)	26.15		22.79		19.71	
10 percent exceeds	627		593		462	
50 percent exceeds	130		115		90	
90 percent exceeds	41		27		15	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD. SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04215000 CAYUGA CREEK NEAR LANCASTER, NY

Buffalo - Eighteenmile Watershed

LOCATION.--Lat 42°53'24", long 78°38'43" referenced to North American Datum of 1927, Erie County, Hydrologic Unit 04120103, on right bank 150 ft upstream from low dam in Como Lake Park, 700 ft downstream from bridge on Bowen Road, 800 ft downstream from Little Buffalo Creek, 2.0 mi southeast of Lancaster, and 8.7 mi upstream from mouth.

DRAINAGE AREA.--96.4 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1938 to September 1968, October 1971 to April 1974 (annual maximum only), May 1974 to current year.

REVISED RECORDS.--WDR NY-82-3: Drainage area.

GAGE.--Water-stage recorder and low concrete dam as control. Datum of gage is 672.02 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Since August 1962, undetermined amount of flow diverted by Lancaster Country Club for irrigation upstream from station. Concrete dam configuration modified in September 1974 resulting in a lower point of zero flow. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,440 ft³/s, Sep. 14, 1979, gage height, 10.48 ft; maximum gage height, 13.35 ft, Jan. 23, 1999 (ice jam); practically no flow part of Aug. 8, 9, 1939, when stop logs were installed in the dam.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,800 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 23	1820	3,510	7.21
Dec 31	1100	4,190	7.60
Apr 02	1650	2,990	6.90
Jun 10	0520	4,610	7.84
Sep 16	1750	*6,500	*8.89

Minimum discharge, 1.6 ft³/s, Aug 9, 10, 11, 12, gage height, 2.51 ft.

04215000 CAYUGA CREEK NEAR LANCASTER, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	18	79	913	520	e62	94	285	183	14	9.7	5.5	215
2	19	81	366	224	e60	95	1,380	116	13	8.6	12	59
3	22	319	201	493	e60	e82	1,250	97	12	7.4	7.1	28
4	20	294	155	598	e62	e90	1,120	83	12	6.9	4.5	18
5	17	497	203	264	e60	e88	1,240	72	12	17	3.4	13
6	16	164	151	298	e70	96	1,470	64	11	16	2.7	11
7	15	111	150	437	e95	212	693	57	9.6	15	2.3	7.6
8	14	81	234	213	e500	895	376	51	8.4	13	2.0	7.3
9	13	65	142	172	830	370	222	46	8.3	17	1.8	6.9
10	12	57	152	216	e310	e210	173	41	1,210	11	1.8	6.0
11	16	53	283	217	e230	146	143	38	113	7.7	1.7	5.3
12	12	49	255	669	192	e110	126	34	103	6.0	2.6	4.6
13	12	43	273	1,080	e140	e100	113	31	157	5.3	9.9	4.2
14	12	38	168	1,170	231	e82	100	38	246	4.9	7.3	3.7
15	13	39	126	e260	1,230	e80	88	176	100	4.5	9.4	4.2
16	20	40	e110	e180	821	e85	79	69	146	8.2	6.8	1,860
17	337	40	e105	e135	377	e90	73	46	178	19	4.6	528
18	201	41	e90	e95	e230	e95	68	38	194	14	3.3	132
19	113	43	98	e110	e180	e130	64	35	94	12	6.2	72
20	104	45	51	e115	e165	e300	63	30	59	9.7	17	54
21	68	99	65	e90	156	412	89	26	42	6.4	20	44
22	59	74	79	e75	162	353	72	25	33	5.4	26	31
23	52	55	1,230	e75	e140	375	776	24	27	4.7	12	31
24	42	128	701	e80	e115	225	850	26	22	4.3	7.8	30
25	42	602	e220	e90	e110	321	317	31	19	3.7	5.4	27
26	47	194	180	e90	e105	313	202	25	16	3.5	4.2	493
27	39	127	e110	e80	e80	404	145	21	14	37	3.4	641
28	33	294	92	e60	e90	593	125	19	12	27	3.2	139
29	30	232	126	e65	---	560	102	19	11	13	2.5	191
30	160	132	132	e70	---	382	127	17	10	7.9	2.7	138
31	154	---	e1,700	e65	---	380	---	15	---	6.1	1,020	---
Total	1,732	4,116	8,861	8,306	6,863	7,768	11,931	1,593	2,906.3	331.9	1,219.1	4,804.8
Mean	55.9	137	286	268	245	251	398	51.4	96.9	10.7	39.3	160
Max	337	602	1,700	1,170	1,230	895	1,470	183	1,210	37	1,020	1,860
Min	12	38	51	60	60	80	63	15	8.3	3.5	1.7	3.7
Cfsm	0.58	1.42	2.97	2.78	2.54	2.60	4.13	0.53	1.00	0.11	0.41	1.66
In.	0.67	1.59	3.42	3.21	2.65	3.00	4.60	0.61	1.12	0.13	0.47	1.85

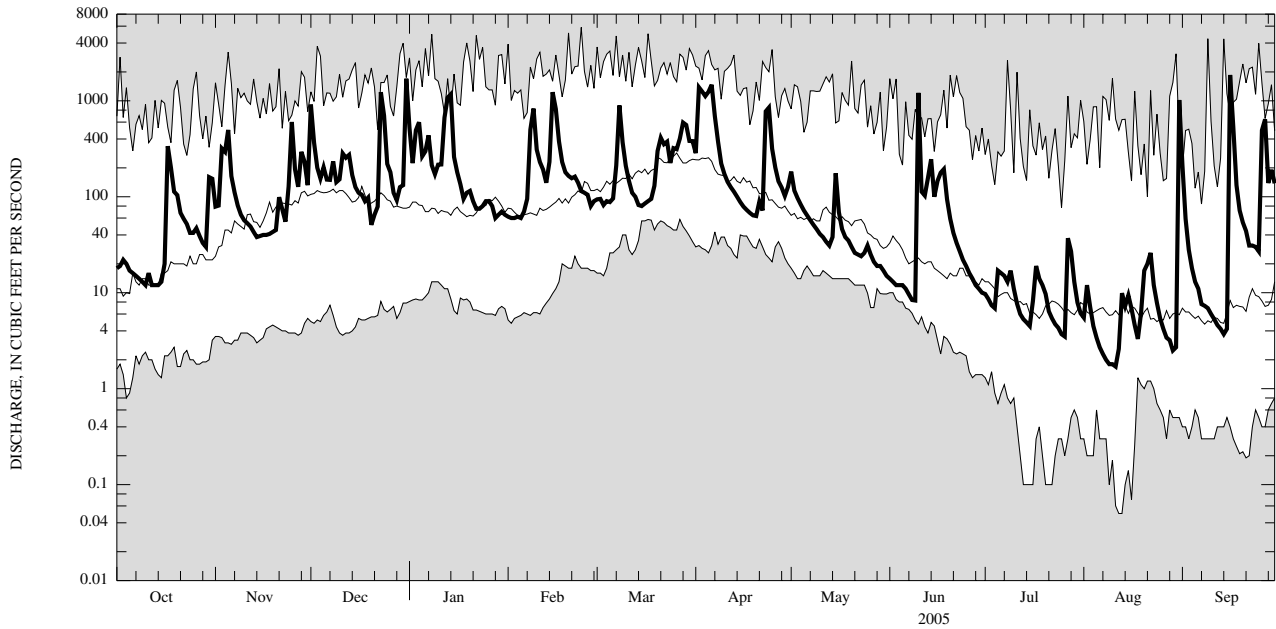
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	58.3	129	188	177	214	340	251	112	56.7	25.9	30.6	51.0
Max	252	601	505	543	457	680	623	343	338	166	323	572
(WY)	(1987)	(1986)	(1978)	(1998)	(1976)	(1942)	(1940)	(2002)	(1989)	(1998)	(1977)	(1977)
Min	2.90	4.34	5.60	9.85	25.1	146	36.5	18.7	5.88	1.06	1.87	0.80
(WY)	(1967)	(1961)	(1961)	(1961)	(1963)	(1981)	(1946)	(1941)	(1955)	(1955)	(1939)	(1960)

04215000 CAYUGA CREEK NEAR LANCASTER, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1939 - 2005	
Annual total	63,892.3		60,432.1			
Annual mean	175		166		136	
Highest annual mean					206	1956
Lowest annual mean					78.5	1962
Highest daily mean	4,440	Sep 9	1,860	Sep 16	5,830	Feb 24, 1985
Lowest daily mean	7.2	Aug 27	1.7	Aug 11	0.05	Aug 12, 2001
Annual seven-day minimum	11	Aug 21	2.1	Aug 6	0.09	Aug 10, 2001
Annual runoff (cfsm)	1.81		1.72		1.41	
Annual runoff (inches)	24.66		23.32		19.14	
10 percent exceeds	336		391		314	
50 percent exceeds	76		73		49	
90 percent exceeds	18		6.6		4.0	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04215500 CAZENOVIA CREEK AT EBENEZER, NY

Buffalo - Eighteenmile Watershed

LOCATION.--Lat 42°49'47", long 78°46'31" referenced to North American Datum of 1927, Erie County, Hydrologic Unit 04120103, on right bank 30 ft upstream from bridge on Ridge Road in Ebenezer, 4.0 mi upstream from mouth, and 5.0 mi southeast of Buffalo.

DRAINAGE AREA.--135 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1940 to current year.

REVISED RECORDS.--WSP 1912: Drainage area. WDR NY 1973: 1972 (M). WDR NY-82-3: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 604.86 ft above NGVD of 1929. Prior to Apr. 4, 1955, at datum 2.00 ft higher. Apr. 4 to Oct. 12, 1955, nonrecording gage at temporary site 1.3 mi downstream at different datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,700 ft³/s, Sept. 9, 2004, gage height, 14.85 ft, maximum gage height, 15.82 ft, present datum, Mar. 1, 1955; minimum discharge, 2.6 ft³/s, Nov. 7, 1953; minimum gage height, 1.76 ft, Sept. 15, 1991.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 23	1730	5,660	9.13
Dec 31	1600	5,170	8.74
Apr 02	1515	4,690	8.34
Apr 06	1915	5,360	8.89
Jun 10	0345	8,770	11.36
Sep 16	1600	*11,700	*13.18

Minimum discharge, 5.7 ft³/s, Aug 28, 29, 30, gage height, 1.91 ft.

04215500 CAZENOVIA CREEK AT EBENEZER, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	e42	203	1,640	1,130	e100	e130	1,170	287	45	30	22	324
2	e52	226	575	390	e95	e140	2,500	186	42	26	38	92
3	e50	625	355	815	e95	e120	1,660	151	40	23	18	53
4	e46	587	267	1,010	e100	e140	1,280	136	39	28	13	35
5	e40	1,270	356	386	e95	e130	1,760	124	38	54	11	26
6	e34	362	261	504	e100	e160	3,120	115	37	111	9.4	22
7	32	234	258	564	e140	e330	1,900	108	49	70	8.8	19
8	28	175	392	265	e800	e1,400	919	99	40	55	10	18
9	27	143	243	209	e1,300	e500	500	92	44	34	8.4	16
10	24	124	268	251	e460	e280	365	87	2,740	27	7.7	14
11	25	115	384	231	e280	e200	282	82	176	23	7.6	12
12	25	102	337	929	e230	e170	226	74	484	20	33	11
13	27	90	377	1,780	e180	e160	195	69	272	18	38	11
14	26	79	279	1,980	e260	e130	169	92	288	22	31	9.9
15	27	79	230	423	e1,200	e130	149	381	140	28	34	14
16	81	77	212	247	e900	e130	138	131	286	49	19	3,770
17	1,310	75	204	e200	e420	e140	128	97	283	84	13	767
18	622	77	175	e130	e250	e160	121	85	179	55	11	177
19	512	78	e200	e160	e190	e210	115	76	115	44	36	99
20	306	102	e100	e190	e180	e460	120	70	90	31	21	116
21	200	239	e120	e160	e180	e600	232	64	76	22	53	95
22	163	153	e150	e130	e200	e460	154	61	66	20	23	60
23	128	113	e2,200	e120	e180	490	1,430	59	59	17	12	71
24	110	282	1,130	e130	e150	311	890	61	52	15	9.5	55
25	133	850	371	e140	e140	382	562	63	46	13	8.2	62
26	106	300	267	e140	e140	429	398	56	43	20	7.2	619
27	96	202	e200	e130	e110	591	300	50	38	165	7.9	640
28	76	568	e170	e100	e130	1,210	239	47	35	122	7.0	164
29	69	388	e230	e95	---	1,430	185	49	33	54	5.9	343
30	901	223	e250	e100	---	1,140	227	52	32	33	12	220
31	365	---	e2,700	e110	---	1,490	---	50	---	23	1,800	---
Total	5,683	8,141	14,901	13,149	8,605	13,753	21,434	3,154	5,907	1,336	2,335.6	7,934.9
Mean	183	271	481	424	307	444	714	102	197	43.1	75.3	264
Max	1,310	1,270	2,700	1,980	1,300	1,490	3,120	381	2,740	165	1,800	3,770
Min	24	75	100	95	95	120	115	47	32	13	5.9	9.9
Cfsm	1.36	2.01	3.56	3.14	2.28	3.29	5.29	0.75	1.46	0.32	0.56	1.96
In.	1.57	2.24	4.11	3.62	2.37	3.79	5.91	0.87	1.63	0.37	0.64	2.19

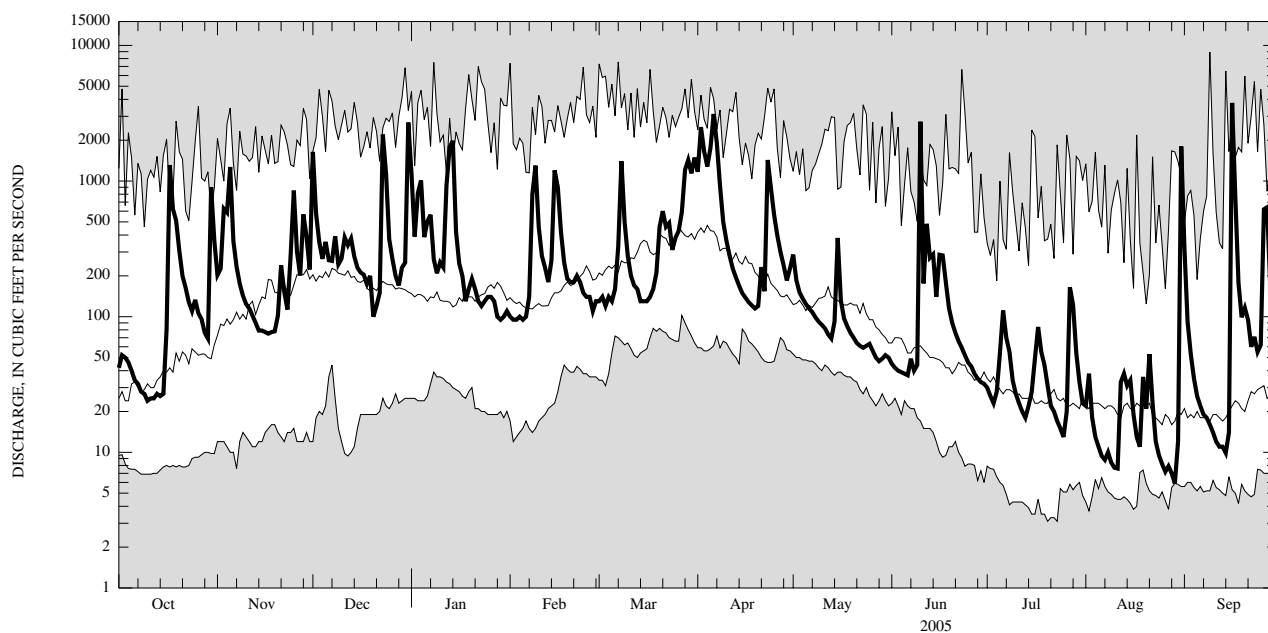
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	114	249	348	306	338	554	424	214	113	57.5	52.1	91.1
Max	410	705	868	816	859	1,062	1,005	652	473	381	371	978
(WY)	(1946)	(1986)	(1991)	(1998)	(1976)	(1945)	(1947)	(2004)	(1989)	(1992)	(1977)	(1977)
Min	9.76	16.2	20.4	37.8	55.8	216	79.9	43.6	17.5	6.11	9.62	7.93
(WY)	(1954)	(1961)	(1961)	(1961)	(1963)	(1981)	(1946)	(1941)	(1955)	(1955)	(1966)	(1960)

04215500 CAZENOVIA CREEK AT EBENEZER, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1940 - 2005	
Annual total	137,058		106,333.5			
Annual mean	374		291		238	
Highest annual mean					395	2004
Lowest annual mean					145	1999
Highest daily mean	8,950	Sep 9	3,770	Sep 16	8,950	Sep 9, 2004
Lowest daily mean	15	Aug 27	5.9	Aug 29	3.1	Jul 20, 1955
Annual seven-day minimum	25	Jun 28	8.2	Aug 23	3.5	Jul 17, 1955
Annual runoff (cfsm)	2.77		2.16		1.76	
Annual runoff (inches)	37.77		29.30		23.94	
10 percent exceeds	1,000		780		555	
50 percent exceeds	150		130		100	
90 percent exceeds	40		21		15	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

Water-Data Report NY-2005

04215900 LAKE ERIE AT BUFFALO, NY

Lake Erie Watershed

LOCATION.--Lat 42°52'39", long 78°53'26" referenced to North American Datum of 1927, Erie County, Hydrologic Unit 04120200, near outer end of Buffalo River South Pier, at Buffalo.

DRAINAGE AREA.--263700 mi².

WATER-STAGE RECORDS

PERIOD OF RECORD.--January 1860 to current year. Records prior to October 1960 in files of Lake Survey Center.

REVISED RECORDS.--WDR NY-75-1: 1974.

GAGE.--Water-stage recorder. Elevations are in feet (IGLD) of 1985. Prior to Oct. 1, 1991, elevations are in feet (IGLD) of 1955, 0.67 ft lower. Prior to Feb. 5, 1899, nonrecording gages.

COOPERATION.--Records furnished by U.S. Department of Commerce, NOAA-NOS, Oceanographic Products and Services Division, Silver Spring, Maryland.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 580.65 ft, datum then in use, Dec. 2, 1985; minimum elevation, 564.17 ft, datum then in use, Mar. 10, 1964.

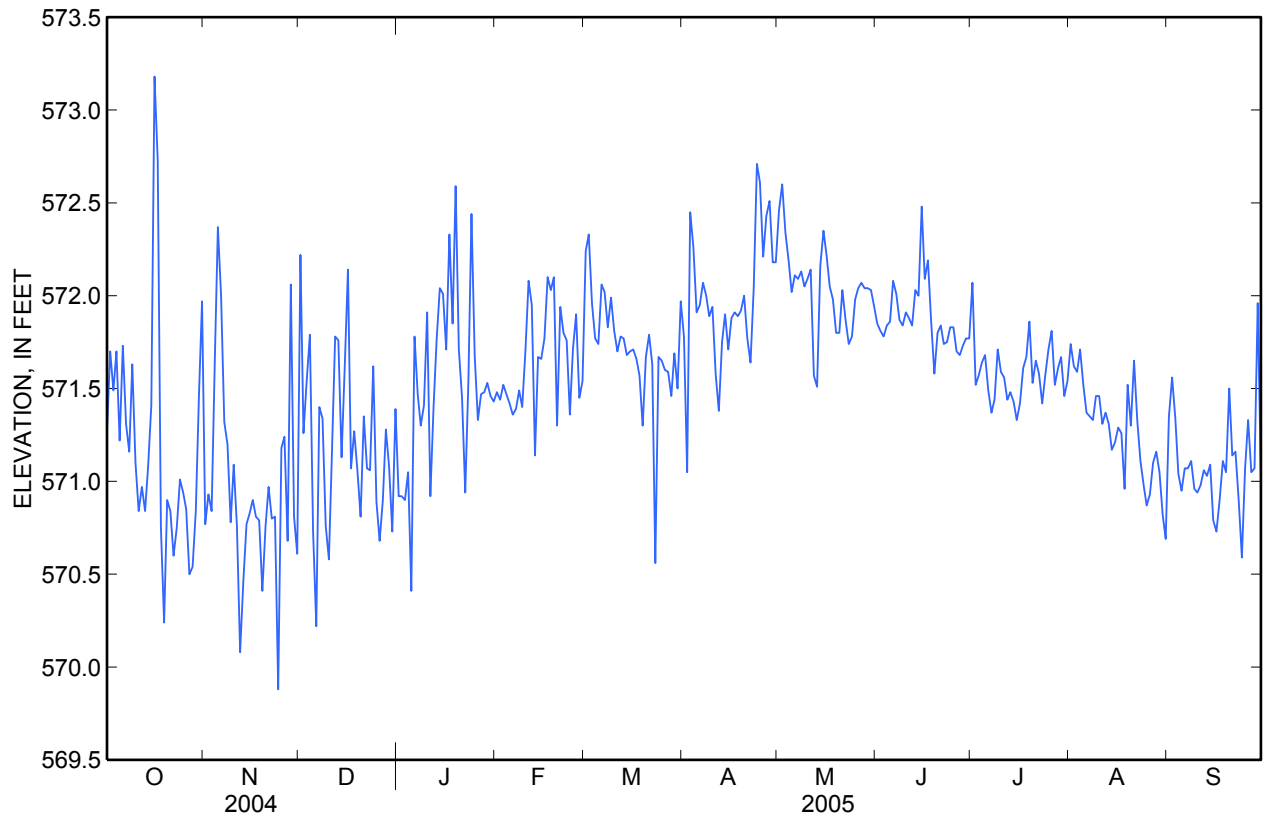
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 576.33 ft, Dec 1; minimum elevation, 568.53 ft, Aug 31.

04215900 LAKE ERIE AT BUFFALO, NY—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	571.27	570.77	572.22	570.92	571.48	572.24	571.78	572.46	571.85	572.07	571.74	571.35
2	571.70	570.93	571.26	570.92	571.44	572.33	571.05	572.60	571.81	571.52	571.62	571.56
3	571.49	570.84	571.54	570.90	571.52	571.96	572.45	572.34	571.78	571.57	571.59	571.34
4	571.70	571.66	571.79	571.05	571.47	571.77	572.26	572.19	571.84	571.64	571.71	571.04
5	571.22	572.37	570.73	570.41	571.42	571.74	571.91	572.02	571.86	571.68	571.52	570.95
6	571.73	572.00	570.22	571.78	571.36	572.06	571.95	572.11	572.08	571.49	571.37	571.07
7	571.31	571.32	571.40	571.47	571.39	572.02	572.07	572.09	572.01	571.37	571.35	571.07
8	571.16	571.20	571.34	571.30	571.49	571.83	572.00	572.13	571.87	571.44	571.33	571.11
9	571.63	570.78	570.76	571.41	571.40	571.99	571.89	572.05	571.84	571.71	571.46	570.96
10	571.10	571.09	570.58	571.91	571.70	571.81	571.94	572.09	571.91	571.59	571.46	570.94
11	570.84	570.76	571.19	570.92	572.08	571.70	571.58	572.14	571.88	571.56	571.31	570.98
12	570.97	570.08	571.78	571.40	571.95	571.78	571.38	571.57	571.84	571.44	571.37	571.06
13	570.84	570.46	571.76	571.76	571.14	571.77	571.75	571.51	572.03	571.48	571.31	571.03
14	571.08	570.77	571.13	572.04	571.67	571.68	571.90	572.16	572.00	571.43	571.17	571.09
15	571.41	570.83	571.62	572.01	571.66	571.70	571.71	572.35	572.48	571.33	571.21	570.79
16	573.18	570.90	572.14	571.71	571.77	571.71	571.88	572.22	572.09	571.42	571.29	570.73
17	572.73	570.81	571.07	572.33	572.10	571.66	571.91	572.05	572.19	571.61	571.26	570.90
18	570.75	570.79	571.27	571.85	572.03	571.57	571.89	571.98	571.86	571.67	570.96	571.11
19	570.24	570.41	571.06	572.59	572.10	571.30	571.92	571.80	571.58	571.86	571.52	571.05
20	570.90	570.76	570.81	571.71	571.30	571.67	572.00	571.80	571.80	571.53	571.30	571.50
21	570.84	570.97	571.35	571.45	571.94	571.79	571.77	572.03	571.84	571.65	571.65	571.14
22	570.60	570.80	571.07	570.94	571.80	571.63	571.64	571.87	571.74	571.58	571.33	571.16
23	570.75	570.81	571.06	571.55	571.76	570.56	572.04	571.74	571.75	571.42	571.11	570.90
24	571.01	569.88	571.62	572.44	571.36	571.67	572.71	571.78	571.83	571.57	570.98	570.59
25	570.94	571.18	570.89	571.68	571.71	571.65	572.61	571.98	571.83	571.71	570.87	571.07
26	570.85	571.24	570.68	571.33	571.90	571.60	572.21	572.04	571.70	571.81	570.93	571.33
27	570.50	570.68	570.90	571.47	571.45	571.59	572.43	572.07	571.68	571.52	571.10	571.05
28	570.54	572.06	571.28	571.48	571.54	571.46	572.51	572.04	571.73	571.61	571.16	571.07
29	570.84	570.81	571.08	571.53	---	571.69	572.18	572.04	571.77	571.67	571.05	571.96
30	571.47	570.61	570.73	571.46	---	571.50	572.18	572.03	571.77	571.46	570.82	571.02
31	571.97	---	571.39	571.43	---	571.97	---	571.94	---	571.54	570.69	---
Mean	571.21	570.95	571.22	571.52	571.64	571.72	571.98	572.04	571.87	571.58	571.28	571.10
Max	573.18	572.37	572.22	572.59	572.10	572.33	572.71	572.60	572.48	572.07	571.74	571.96
Min	570.24	569.88	570.22	570.41	571.14	570.56	571.05	571.51	571.58	571.33	570.69	570.59

04215900 LAKE ERIE AT BUFFALO, NY—Continued



04216000 NIAGARA RIVER AT BUFFALO, NY

Niagara Watershed

LOCATION.--Lat 42°52'40", long 78°55'00" referenced to North American Datum of 1927, Erie County, Hydrologic Unit 04120104, at head of Niagara River at Buffalo, and 34.3 mi upstream from mouth.

DRAINAGE AREA.--263700 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1860 to September 1960 (monthly discharges only published in WSP 1912), October 1960 to current year. Records of January 1926 to September 1960 daily discharges available in files of U.S. Department of Commerce and U.S. Geological Survey.

REVISED RECORDS.--WSP 1912: 1862(M), 1955 (M), 1936 (M), WDR NY-77-1: Drainage area.

GAGE.--Discharge determined from several powerplants at Niagara Falls and discharge over the falls. Discharge before 1926 determined from records of Corps of Engineers gages at Buffalo and Cleveland.

COOPERATION--Records of daily discharge provided by Detroit District, U.S. Army Corps of Engineers and Canada Department of the Environment, not reviewed by the USGS.

REMARKS.--Records do not include water diverted from Lake Michigan by Illinois and Michigan Canal during period of its operation prior to 1910 and by Chicago Sanitary and Ship Canal, which began operation in 1900, and from Lake Erie by Welland and New York State Canals before 1918. Records include water diverted into Lake Superior from Hudson Bay drainage by the Long Lake project, which began operation in July 1939, and by the Ogoki project, which began operation in July 1943. Figures of monthly mean discharge for 1860 to 1960 and daily discharge for 1961 to 1965, published in WSP 1912, are the official records of the U.S. Lake Survey, and have been coordinated with and concurred by the counterpart Canadian agencies, as have been the extremes for period of record through December 1976 and records October 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 347,000 ft³/s, Dec. 2, 1985, result of high, storm-generated Lake Erie level; minimum daily, 90,000 ft³/s, Jan. 13, 1964, Aug. 29, 1984. Maximum monthly mean discharge, 268,400 ft³/s, June 1986; minimum monthly mean, 116,200 ft³/s, February 1936. Maximum and minimum instantaneous discharge not determined.

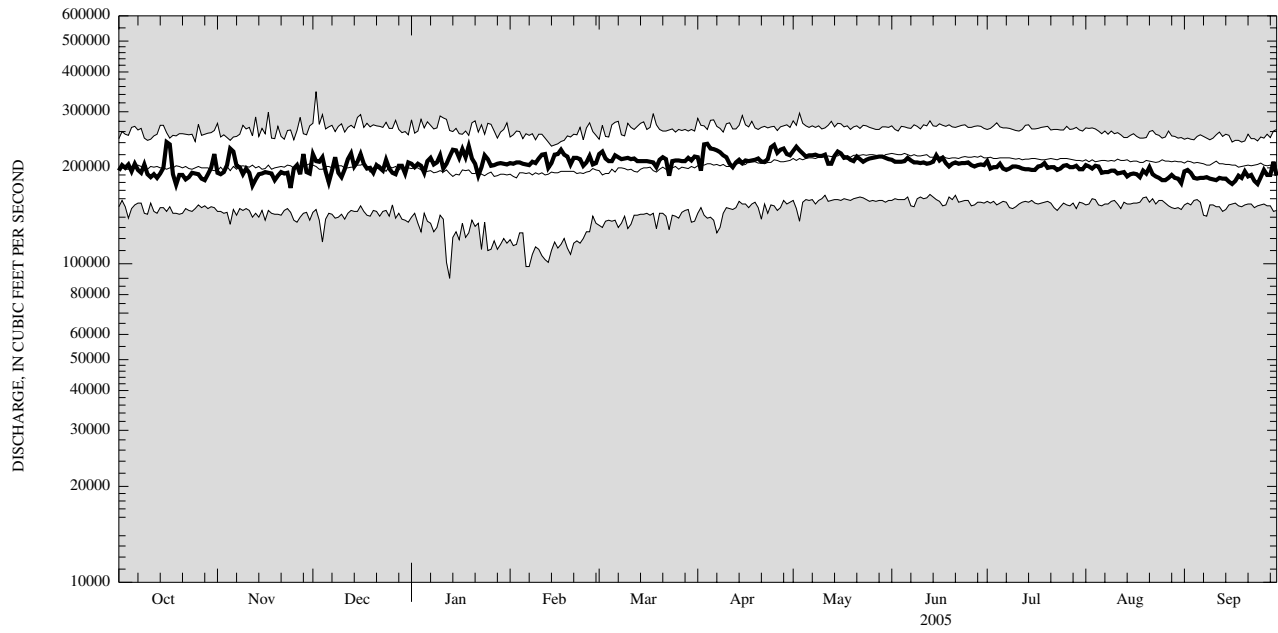
EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 241,000 ft³/s, Oct. 16; minimum daily discharge, 173,000 ft³/s, Nov. 24. Maximum and minimum instantaneous discharge not determined.

04216000 NIAGARA RIVER AT BUFFALO, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	196,000	193,000	221,000	206,000	207,000	221,000	216,000	226,000	212,000	210,000	204,000	195,000
2	204,000	191,000	210,000	201,000	206,000	225,000	196,000	233,000	209,000	199,000	202,000	197,000
3	200,000	194,000	209,000	206,000	208,000	214,000	237,000	227,000	209,000	201,000	199,000	193,000
4	205,000	204,000	216,000	203,000	208,000	210,000	238,000	222,000	209,000	201,000	203,000	186,000
5	195,000	230,000	195,000	193,000	206,000	210,000	230,000	217,000	210,000	206,000	202,000	185,000
6	206,000	225,000	180,000	210,000	205,000	219,000	229,000	219,000	215,000	199,000	193,000	186,000
7	197,000	203,000	196,000	215,000	204,000	216,000	227,000	219,000	211,000	197,000	194,000	186,000
8	193,000	201,000	216,000	205,000	209,000	213,000	224,000	220,000	208,000	199,000	194,000	187,000
9	205,000	191,000	193,000	208,000	207,000	214,000	219,000	218,000	208,000	202,000	196,000	185,000
10	191,000	199,000	187,000	219,000	214,000	215,000	216,000	218,000	207,000	202,000	196,000	184,000
11	187,000	193,000	198,000	199,000	220,000	213,000	206,000	220,000	208,000	201,000	192,000	183,000
12	191,000	176,000	213,000	206,000	221,000	214,000	201,000	206,000	206,000	199,000	193,000	186,000
13	186,000	184,000	222,000	217,000	200,000	210,000	208,000	206,000	207,000	198,000	194,000	185,000
14	192,000	191,000	202,000	228,000	207,000	210,000	212,000	218,000	209,000	198,000	188,000	185,000
15	200,000	192,000	209,000	227,000	220,000	210,000	207,000	225,000	219,000	197,000	191,000	181,000
16	241,000	194,000	221,000	215,000	221,000	210,000	211,000	222,000	211,000	197,000	192,000	178,000
17	237,000	193,000	206,000	229,000	228,000	209,000	210,000	215,000	215,000	202,000	191,000	182,000
18	191,000	192,000	199,000	216,000	220,000	208,000	211,000	216,000	207,000	203,000	187,000	189,000
19	177,000	183,000	200,000	234,000	217,000	201,000	212,000	212,000	202,000	207,000	196,000	186,000
20	190,000	189,000	193,000	214,000	205,000	212,000	214,000	210,000	206,000	200,000	192,000	195,000
21	190,000	194,000	204,000	206,000	215,000	216,000	209,000	217,000	208,000	201,000	201,000	188,000
22	184,000	192,000	200,000	189,000	215,000	213,000	209,000	213,000	206,000	201,000	191,000	190,000
23	187,000	193,000	196,000	201,000	213,000	189,000	213,000	209,000	207,000	197,000	188,000	182,000
24	193,000	173,000	212,000	219,000	203,000	210,000	232,000	212,000	207,000	199,000	186,000	178,000
25	192,000	199,000	199,000	213,000	208,000	211,000	236,000	214,000	208,000	203,000	183,000	187,000
26	191,000	204,000	193,000	203,000	218,000	211,000	223,000	215,000	204,000	204,000	183,000	197,000
27	185,000	191,000	191,000	204,000	205,000	210,000	228,000	216,000	202,000	201,000	186,000	190,000
28	183,000	221,000	203,000	206,000	207,000	210,000	230,000	217,000	204,000	201,000	190,000	190,000
29	191,000	194,000	203,000	207,000	---	215,000	221,000	217,000	205,000	203,000	186,000	209,000
30	200,000	192,000	192,000	206,000	---	211,000	219,000	215,000	204,000	198,000	185,000	189,000
31	221,000	---	208,000	205,000	---	217,000	---	213,000	---	198,000	179,000	---
Total	6,101,000	5,871,000	6,287,000	6,510,000	5,917,000	6,567,000	6,544,000	6,727,000	6,243,000	6,224,000	5,957,000	5,634,000
Mean	196,800	195,700	202,800	210,000	211,300	211,800	218,100	217,000	208,100	200,800	192,200	187,800
Max	241,000	230,000	222,000	234,000	228,000	225,000	238,000	233,000	219,000	210,000	204,000	209,000
Min	177,000	173,000	180,000	189,000	200,000	189,000	196,000	206,000	202,000	197,000	179,000	178,000

04216000 NIAGARA RIVER AT BUFFALO, NY—Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04216218 BLACK ROCK CANAL AT BLACK ROCK LOCK, BUFFALO, NY

Niagara Watershed

LOCATION.--Lat 42°56'01", long 78°54'18" referenced to North American Datum of 1927, Erie County, Hydrologic Unit 04120104, at Black Rock Lock adjacent to U.S. Army Corps of Engineers installation at foot of Hamilton Street, Buffalo and 0.2 mi downstream from International railroad bridge.

DRAINAGE AREA.—263,700 mi².

WATER-STAGE RECORDS

PERIOD OF RECORD.--October 1984 to March 1997, November 1998 to current year.

GAGE.--Water stage recorder. Datum of gage is International Great Lakes Datum (IGLD) of 1985. Prior to Oct. 1, 1991, datum of gage was IGLD of 1955, 0.67 ft lower.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 575.95 ft, datum then in use, Dec. 2, 1985; minimum daily, 568.63 ft, Feb. 16, 2003, but may have been lower during periods of no elevation record Jan. 16-27 and Mar. 13-22, 2003.

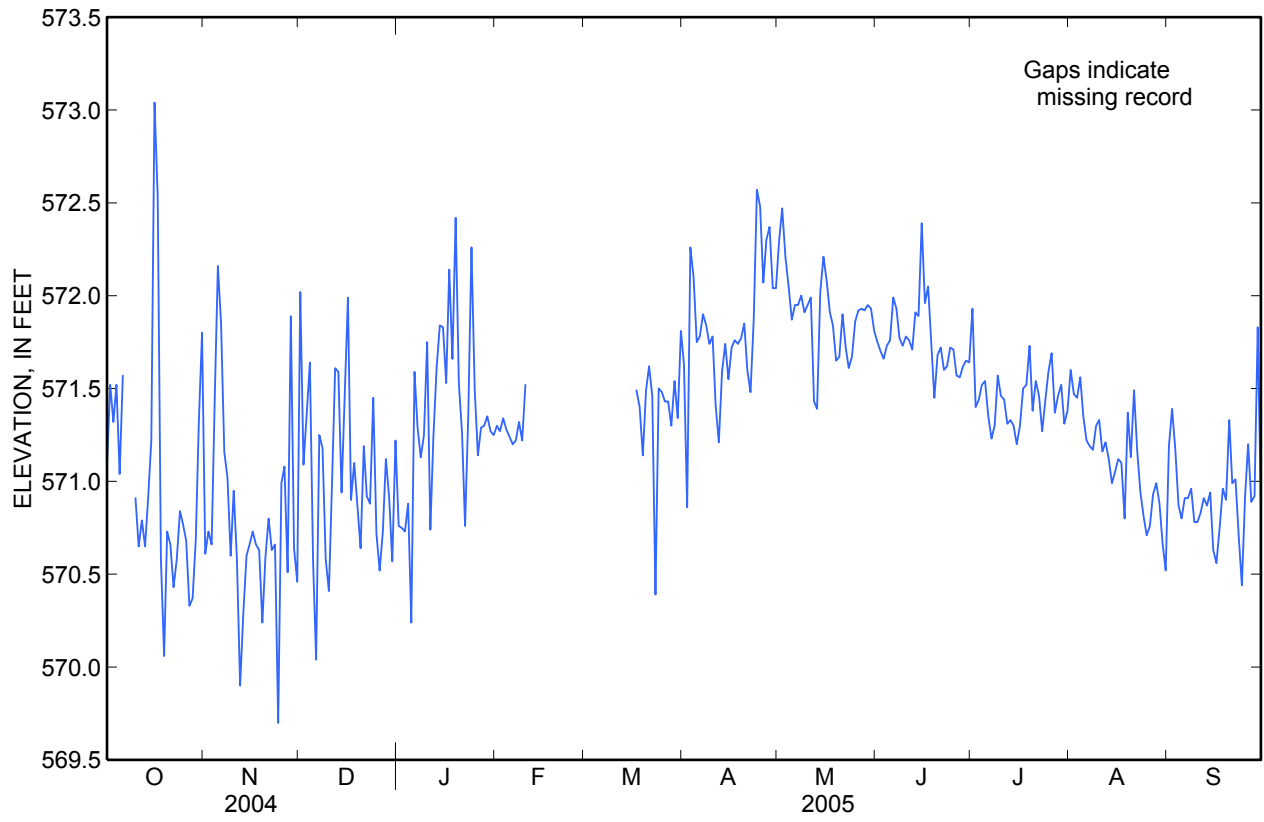
EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 573.04 ft, Oct. 16, but may have been higher during periods of erroneous or missing data; minimum daily elevation, 569.70 ft, Nov. 24, but may have been lower during periods of erroneous or missing data.

04216218 BLACK ROCK CANAL AT BLACK ROCK LOCK, BUFFALO, NY—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	571.09	570.61	572.02	570.76	571.30	---	571.63	572.30	571.75	571.93	571.60	571.19
2	571.52	570.73	571.09	570.75	571.27	---	570.86	572.47	571.70	571.40	571.47	571.39
3	571.32	570.66	571.36	570.73	571.34	---	572.26	572.21	571.66	571.44	571.45	571.17
4	571.52	571.47	571.64	570.88	571.28	---	572.10	572.05	571.73	571.52	571.56	570.87
5	571.04	572.16	570.57	570.24	571.24	---	571.75	571.87	571.76	571.54	571.35	570.80
6	571.57	571.85	570.04	571.59	571.20	---	571.78	571.95	571.99	571.35	571.22	570.91
7	---	571.16	571.25	571.29	571.22	---	571.90	571.95	571.93	571.23	571.19	570.91
8	---	571.02	571.18	571.13	571.32	---	571.84	572.00	571.77	571.30	571.17	570.96
9	---	570.60	570.58	571.25	571.22	---	571.74	571.91	571.73	571.57	571.30	570.78
10	570.91	570.95	570.41	571.75	571.52	---	571.78	571.95	571.78	571.46	571.33	570.78
11	570.65	570.58	571.01	570.74	---	---	571.41	571.99	571.76	571.44	571.16	570.83
12	570.79	569.90	571.61	571.24	---	---	571.21	571.43	571.71	571.31	571.21	570.91
13	570.65	570.29	571.59	571.61	---	---	571.59	571.39	571.91	571.33	571.12	570.87
14	570.91	570.60	570.94	571.84	---	---	571.74	572.02	571.89	571.30	570.99	570.94
15	571.22	570.66	571.47	571.83	---	---	571.55	572.21	572.39	571.20	571.05	570.63
16	573.04	570.73	571.99	571.53	---	---	571.72	572.08	571.96	571.30	571.12	570.56
17	572.53	570.66	570.90	572.14	---	571.49	571.76	571.91	572.05	571.50	571.10	570.75
18	570.58	570.63	571.10	571.66	---	571.40	571.74	571.84	571.74	571.52	570.80	570.96
19	570.06	570.24	570.87	572.42	---	571.14	571.77	571.65	571.45	571.73	571.37	570.90
20	570.73	570.59	570.64	571.53	---	571.49	571.85	571.67	571.68	571.38	571.13	571.33
21	570.66	570.80	571.19	571.26	---	571.62	571.60	571.90	571.72	571.54	571.49	570.99
22	570.43	570.63	570.92	570.76	---	571.46	571.48	571.72	571.60	571.46	571.16	571.01
23	570.58	570.66	570.88	571.36	---	570.39	571.87	571.61	571.62	571.27	570.94	570.71
24	570.84	569.70	571.45	572.26	---	571.50	572.57	571.67	571.72	571.44	570.81	570.44
25	570.77	570.99	570.72	571.50	---	571.48	572.48	571.86	571.71	571.59	570.71	570.92
26	570.68	571.08	570.52	571.14	---	571.43	572.07	571.92	571.57	571.69	570.76	571.20
27	570.33	570.51	570.73	571.29	---	571.43	572.30	571.93	571.56	571.37	570.93	570.89
28	570.37	571.89	571.12	571.30	---	571.30	572.37	571.92	571.62	571.46	570.99	570.92
29	570.69	570.64	570.92	571.35	---	571.54	572.04	571.95	571.65	571.52	570.88	571.83
30	571.32	570.46	570.57	571.27	---	571.34	572.04	571.93	571.64	571.31	570.66	570.86
31	571.80	---	571.22	571.25	---	571.81	---	571.81	---	571.38	570.52	---
Mean	---	570.78	571.05	571.34	---	---	571.83	571.91	571.76	571.44	571.11	570.94
Max	---	572.16	572.02	572.42	---	---	572.57	572.47	572.39	571.93	571.60	571.83
Min	---	569.70	570.04	570.24	---	---	570.86	571.39	571.45	571.20	570.52	570.44

04216218 BLACK ROCK CANAL AT BLACK ROCK LOCK, BUFFALO, NY—Continued



Water-Data Report NY-2005

04216220 NIAGARA RIVER AT BLACK ROCK LOCK, BUFFALO, NY

Niagara Watershed

LOCATION.--Lat 42°56'02", long 78°54'17" referenced to North American Datum of 1927, Erie County, Hydrologic Unit 04120104, at Black Rock Lock adjacent to U.S. Army Corps of Engineers installation at foot of Hamilton Street, Buffalo and 0.2 mi downstream from International railroad bridge.

DRAINAGE AREA.—263,700 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1984 to March 1997, November 1998 to current year.

GAGE.--Water-stage recorder. Datum of gage is International Great Lakes Datum (IGLD) of 1985. Prior to Oct. 1, 1991, datum of gage was IGLD of 1955, 0.67 ft lower.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 568.80 ft, datum then in use, Jan. 21, 1985, but may have been higher during period of no gage height record Nov. 11 to Dec. 10, 1984; minimum daily, 561.92 ft, Jan. 14, 1999.

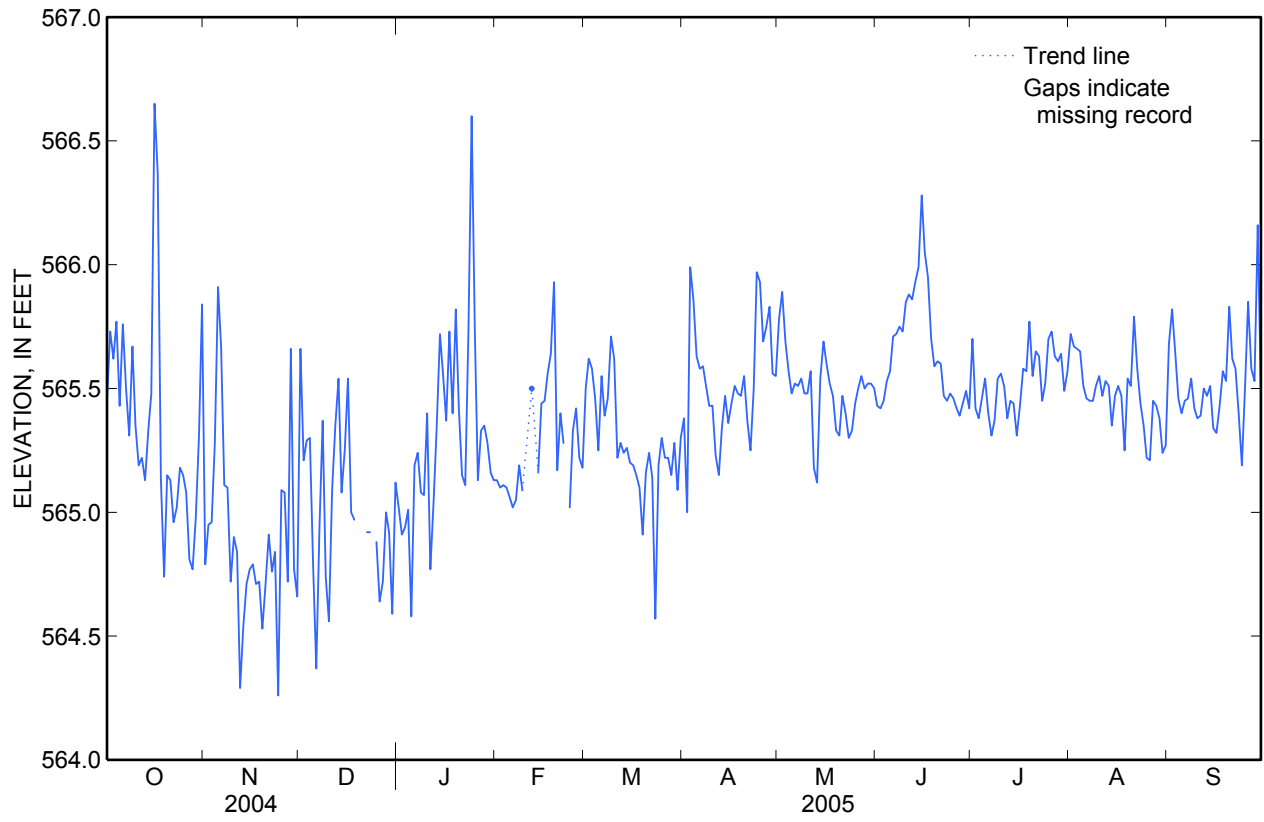
EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 566.65 ft, Oct. 16, minimum daily elevation 564.26 ft, Nov. 24.

04216220 NIAGARA RIVER AT BLACK ROCK LOCK, BUFFALO, NY—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	565.45	564.79	565.66	565.02	565.13	565.50	565.38	565.78	565.43	565.70	565.72	565.68
2	565.73	564.95	565.21	564.91	565.10	565.62	565.00	565.89	565.42	565.42	565.67	565.82
3	565.62	564.96	565.29	564.94	565.11	565.58	565.99	565.69	565.45	565.38	565.66	565.64
4	565.77	565.28	565.30	565.01	565.10	565.46	565.86	565.57	565.53	565.46	565.65	565.46
5	565.43	565.91	564.79	564.58	565.06	565.25	565.63	565.48	565.57	565.54	565.51	565.40
6	565.76	565.67	564.37	565.19	565.02	565.55	565.58	565.52	565.71	565.40	565.46	565.45
7	565.50	565.11	564.94	565.24	565.05	565.39	565.59	565.51	565.72	565.31	565.45	565.46
8	565.31	565.10	565.37	565.08	565.19	565.46	565.51	565.54	565.75	565.37	565.45	565.54
9	565.67	564.72	564.74	565.07	565.09	565.71	565.43	565.48	565.73	565.54	565.51	565.42
10	565.35	564.90	564.56	565.40	---	565.62	565.43	565.48	565.85	565.56	565.55	565.38
11	565.19	564.84	565.09	564.77	---	565.22	565.23	565.57	565.88	565.51	565.47	565.39
12	565.22	564.29	565.35	565.04	565.50	565.28	565.15	565.18	565.86	565.38	565.53	565.50
13	565.13	564.54	565.54	565.35	---	565.24	565.34	565.12	565.93	565.45	565.51	565.47
14	565.33	564.71	565.08	565.72	565.16	565.26	565.47	565.54	565.99	565.44	565.35	565.51
15	565.48	564.77	565.25	565.56	565.44	565.20	565.36	565.69	566.28	565.31	565.47	565.34
16	566.65	564.79	565.54	565.37	565.45	565.19	565.44	565.60	566.05	565.43	565.51	565.32
17	566.37	564.71	565.00	565.73	565.56	565.15	565.51	565.52	565.95	565.58	565.47	565.43
18	565.13	564.72	564.97	565.40	565.64	565.10	565.48	565.47	565.70	565.57	565.25	565.57
19	564.74	564.53	---	565.82	565.93	564.91	565.47	565.33	565.59	565.77	565.54	565.53
20	565.15	564.71	---	565.42	565.17	565.16	565.55	565.31	565.61	565.55	565.51	565.83
21	565.13	564.91	---	565.15	565.40	565.24	565.37	565.47	565.60	565.65	565.79	565.62
22	564.96	564.76	564.92	565.11	565.28	565.14	565.25	565.40	565.47	565.63	565.58	565.58
23	565.02	564.84	564.92	565.73	---	564.57	565.50	565.30	565.45	565.45	565.44	565.40
24	565.18	564.26	---	566.60	565.02	565.19	565.97	565.33	565.48	565.52	565.35	565.19
25	565.15	565.09	564.88	565.73	565.33	565.30	565.93	565.44	565.46	565.70	565.22	565.51
26	565.08	565.08	564.64	565.13	565.42	565.22	565.69	565.50	565.42	565.73	565.21	565.85
27	564.81	564.72	564.72	565.33	565.22	565.22	565.75	565.55	565.39	565.63	565.45	565.58
28	564.77	565.66	565.00	565.35	565.18	565.15	565.83	565.50	565.44	565.61	565.43	565.53
29	564.98	564.77	564.92	565.28	---	565.28	565.56	565.52	565.49	565.64	565.38	566.16
30	565.31	564.66	564.59	565.16	---	565.09	565.55	565.52	565.42	565.49	565.24	565.49
31	565.84	---	565.12	565.13	---	565.30	---	565.50	---	565.57	565.27	---
Mean	565.36	564.89	---	565.30	---	565.28	565.53	565.49	565.65	565.53	565.47	565.53
Max	566.65	565.91	---	566.60	---	565.71	565.99	565.89	566.28	565.77	565.79	566.16
Min	564.74	564.26	---	564.58	---	564.57	565.00	565.12	565.39	565.31	565.21	565.19

04216220 NIAGARA RIVER AT BLACK ROCK LOCK, BUFFALO, NY—Continued



04216418 TONAWANDA CREEK AT ATTICA, NY

Niagara Watershed

LOCATION.--Lat 42°51'50", long 78°17'02" referenced to North American Datum of 1927, Wyoming County, Hydrologic Unit 04120104, on right bank behind village hall and fire station, 150 ft downstream from bridge on State Highway 238 (Main Street) at Attica, and 0.4 mi upstream from Tannery Creek.

DRAINAGE AREA.--76.9 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Continuous record--October 1977 to September 2004, annual maximum only--2005.

REVISED RECORDS.--WDR NY-79-1: 1978 (M). WDR NY-82-3: Drainage area.

GAGE.--Water-stage recorder, crest-stage gage, and concrete control. Datum of gage is 954.63 ft above NGVD of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,400 ft³/s, July 8, 1998, gage height, 12.71 ft, from floodmark.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, about 6,000 ft³/s, June 23, 1972, gage height, about 12.0 ft, from information supplied by Village of Attica.

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Jun 10, 2005	4,070	---	8.71	---

04216500 LITTLE TONAWANDA CREEK AT LINDEN, NY

Niagara Watershed

LOCATION.--Lat 42°52'37", long 78°09'48" referenced to North American Datum of 1927, Genesee County, Hydrologic Unit 04120104, on right bank at upstream side of bridge on County Highway 13A (Depot Road) in Linden, and 9.3 mi upstream from mouth.

DRAINAGE AREA.--22.1 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—Continuous record--July 1912 to September 1968, October 1977 to September 1992, annual maximum only—1970-72, 1993 to current year.

GAGE.--Crest-stage partial-record station. Datum of gage is 1,081.62 ft above NGVD of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,900 ft³/s, June 23, 1989, gage height, 6.99 ft, from floodmark.

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 2, 2005	846	---	7.01	---

04217000 TONAWANDA CREEK AT BATAVIA, NY

Niagara Watershed

LOCATION.--Lat 42°59'51", long 78°11'20" referenced to North American Datum of 1927, Genesee County, Hydrologic Unit 04120104, on right bank 150 ft downstream from municipal dam, 500 ft upstream from bridge on Walnut Street in Batavia, and 5.0 mi downstream from Little Tonawanda Creek.

DRAINAGE AREA.--171 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1944 to current year.

REVISED RECORDS.--WSP 1627: 1956-57. WSP 1912: Drainage area.

GAGE.--Water-stage recorder, crest-stage gage, and concrete control. Datum of gage is 876.33 ft above NGVD of 1929.

COOPERATION.--City of Batavia maintains records of diversion.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Diversion upstream from station by city of Batavia for municipal supply; sewage, which may include water from municipal and industrial wells upstream from gage, enters creek downstream from gage. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,200 ft³/s, Mar. 31, 1960, gage height, 12.70 ft; maximum gage height, 13.85 ft, Apr. 6, 1947; minimum discharge, 0.4 ft³/s, Aug. 5, 6, 7, 1955; minimum gage height, 0.59 ft, July 26, 27, 1948.

EXTREMES OUTSIDE PERIOD OF RECORD.--From records of city of Batavia, maximum stage, 14.5 ft, in March 1942.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,800 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 14	0030	1,960	6.34
Apr 03	1545	*3,170	*9.11

Minimum discharge, 6.3 ft³/s, Aug 29, 30, gage height, 1.28 ft.

04217000 TONAWANDA CREEK AT BATAVIA, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	58	189	431	1,280	142	185	1,140	328	49	37	25	625
2	54	146	1,020	877	e130	180	1,140	232	47	35	20	154
3	57	278	705	576	132	158	2,760	192	44	33	16	79
4	55	260	378	731	134	166	1,970	175	44	31	14	53
5	49	673	329	758	134	155	1,480	158	44	31	13	42
6	47	493	317	441	135	166	1,550	146	41	29	11	34
7	45	262	250	576	156	187	1,530	136	40	37	11	28
8	42	197	373	430	282	685	1,050	126	39	41	9.7	25
9	39	162	297	344	702	788	649	116	34	39	7.8	23
10	37	146	262	326	781	464	426	107	514	32	7.3	22
11	38	138	382	346	533	319	335	100	514	27	7.4	20
12	37	127	485	345	389	256	280	92	231	23	8.4	18
13	38	115	374	1,280	285	229	245	85	326	21	15	16
14	39	107	311	1,810	268	189	214	87	557	21	24	15
15	38	101	236	1,370	582	176	189	227	284	30	34	15
16	39	102	198	603	971	181	172	159	172	31	22	192
17	131	99	209	356	964	177	161	113	363	74	15	1,050
18	339	97	152	253	590	190	149	98	312	56	11	625
19	168	97	187	226	343	199	141	89	226	47	9.8	207
20	208	97	105	264	314	265	135	82	154	33	30	125
21	154	133	121	220	295	443	180	77	119	25	20	115
22	133	139	139	176	283	400	165	75	96	23	30	84
23	115	115	224	165	256	574	520	73	84	22	22	67
24	99	113	674	181	216	374	1,160	77	72	20	17	65
25	100	509	804	190	213	484	1,130	95	63	19	13	62
26	104	351	552	190	204	445	559	79	56	17	10	98
27	92	211	311	180	167	573	336	67	49	30	9.7	623
28	81	323	210	160	183	769	277	63	45	72	8.0	266
29	75	599	223	155	---	1,040	225	61	42	46	7.1	184
30	135	300	227	160	---	1,050	212	59	39	30	8.4	288
31	326	---	445	152	---	999	---	53	---	24	341	---
Total	2,972	6,679	10,931	15,121	9,784	12,466	20,480	3,627	4,700	1,036	797.6	5,220
Mean	95.9	223	353	488	349	402	683	117	157	33.4	25.7	174
Max	339	673	1,020	1,810	971	1,050	2,760	328	557	74	341	1,050
Min	37	97	105	152	130	155	135	53	34	17	7.1	15
Cfsm	0.56	1.30	2.06	2.85	2.04	2.35	3.99	0.68	0.92	0.20	0.15	1.02
In.	0.65	1.45	2.38	3.29	2.13	2.71	4.46	0.79	1.02	0.23	0.17	1.14

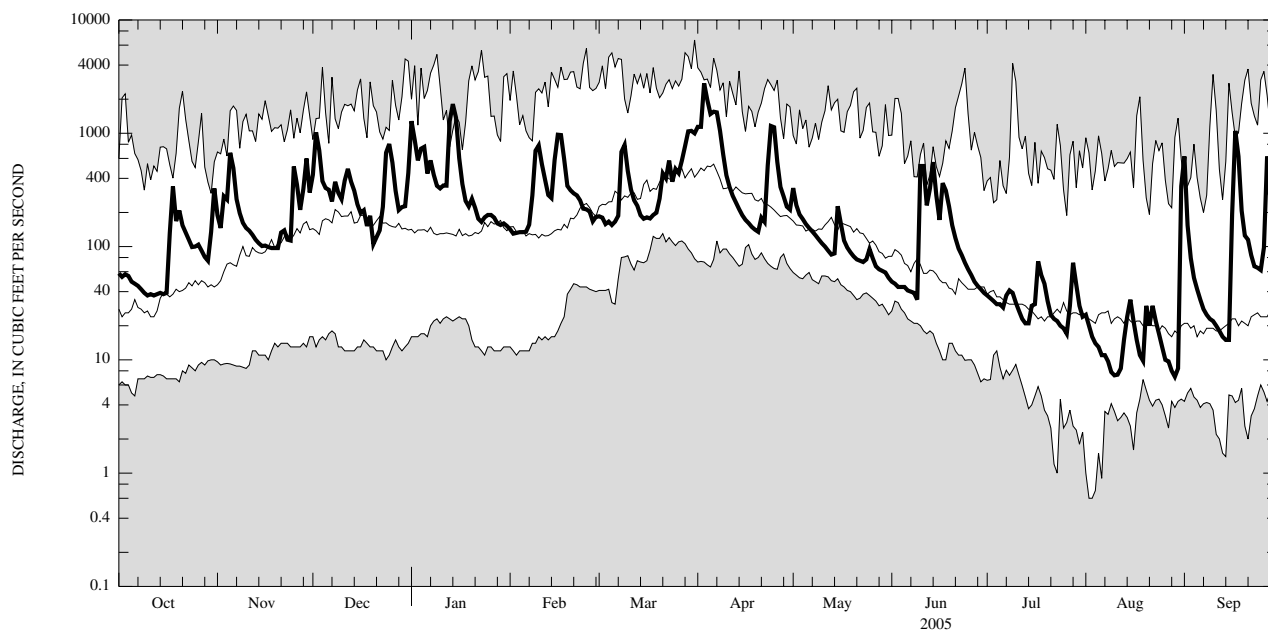
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	83.4	173	263	268	315	535	458	210	111	58.3	49.3	69.8
Max	344	653	718	812	903	1,206	1,100	544	722	415	451	873
(WY)	(1946)	(1986)	(1978)	(1998)	(1976)	(1945)	(1947)	(1984)	(1989)	(1998)	(1977)	(1977)
Min	9.03	15.3	13.6	17.5	50.9	244	82.1	65.8	20.1	6.17	7.91	5.63
(WY)	(1965)	(1961)	(1961)	(1961)	(1963)	(1965)	(1946)	(1995)	(1965)	(1955)	(1944)	(1955)

04217000 TONAWANDA CREEK AT BATAVIA, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1944 - 2005	
Annual total	103,271		93,813.6			
Annual mean	282		257		216	
Highest annual mean					311	1976
Lowest annual mean					124	1965
Highest daily mean	3,310	Sep 10	2,760	Apr 3	6,660	Mar 31, 1960
Lowest daily mean	31	Aug 27	7.1	Aug 29	0.60	Aug 2, 1955
Annual seven-day minimum	38	Oct 9	8.9	Aug 6	1.1	Jul 31, 1955
Annual runoff (cfsm)	1.65		1.50		1.26	
Annual runoff (inches)	22.47		20.41		17.14	
10 percent exceeds	634		624		514	
50 percent exceeds	158		154		100	
90 percent exceeds	50		22		15	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04218000 TONAWANDA CREEK AT RAPIDS, NY

Niagara Watershed

LOCATION.--Lat 43°05'35", long 78°38'11" referenced to North American Datum of 1927, Niagara County, Hydrologic Unit 04120104, on right bank at downstream side of bridge on Rapids Road at Rapids, 4.6 mi east of Pendleton, 4.9 mi downstream from Beeman Creek, and 5.9 mi upstream from Mud Creek.

DRAINAGE AREA.--349 mi², includes 0.76 mi² in Mud Creek from which flow is diverted into Black Creek.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1955 to September 1965, March 1978 to September 1979 (seasonal gage-height records only), October 1979 to current year.

REVISED RECORDS.--WDR NY-82-3: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 571.19 ft above NGVD of 1929.

REMARKS.--Records good except for those estimated daily discharged, which are poor. Telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,280 ft³/s, Apr. 1, 1960, gage height, 16.96 ft (does not include about 4,300 ft³/s bypassing the gage, as estimated and reported by the Buffalo District Corps of Engineers); minimum discharge, 4.5 ft³/s, July 28, 1983, gage height, 0.91 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,400 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 15	1930	2,850	9.07
Feb 18	0400	2,760	8.86
Apr 05	1200	*5,010	*13.79

Minimum discharge, 17 ft³/s, Aug 14, 15, gage height, 1.07 ft.

04218000 TONAWANDA CREEK AT RAPIDS, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	95	343	768	e1,300	e290	e380	1,580	518	109	51	51	332
2	94	291	1,080	e1,800	e280	e370	1,770	626	100	49	53	627
3	100	285	1,390	e2,200	e260	e360	2,790	562	90	47	43	308
4	100	359	1,310	1,710	e250	e340	4,050	445	84	45	36	158
5	95	489	840	1,540	e260	e320	4,930	382	81	44	31	99
6	91	790	596	1,480	e260	e340	4,200	345	79	46	26	73
7	84	755	551	1,210	e300	e400	3,180	310	75	45	22	60
8	79	451	617	1,150	e400	e680	2,650	279	69	41	20	52
9	75	332	676	1,020	e700	e1,100	2,020	255	65	42	20	45
10	71	273	597	847	e1,200	e1,500	1,350	235	68	68	20	41
11	68	243	576	853	e1,480	e1,200	964	223	327	56	19	36
12	66	227	832	829	e1,400	e940	724	207	541	48	18	33
13	64	210	1,140	1,170	e1,100	e660	594	191	293	42	18	32
14	64	190	1,060	2,000	e840	e540	518	180	370	39	18	31
15	64	175	783	2,740	e1,100	e460	457	187	523	36	19	30
16	67	168	556	2,590	e1,800	e400	407	295	385	34	27	33
17	82	168	e450	1,550	e2,300	e380	373	321	263	42	35	130
18	147	168	e390	826	e2,600	e400	344	239	363	66	34	851
19	390	166	e360	e520	2,170	e420	320	204	342	81	29	804
20	299	164	e340	e480	1,410	e500	308	187	294	67	25	347
21	278	172	e380	e460	e1,000	e680	315	176	213	56	25	201
22	243	190	e290	e440	e840	e900	338	168	169	46	37	154
23	211	223	e400	e380	e700	e1,100	415	166	137	36	46	129
24	194	218	e800	e340	e620	e1,100	1,010	163	114	31	39	101
25	175	419	e1,200	e350	e540	e1,000	1,770	165	98	28	36	87
26	161	798	e1,450	e370	e480	e1,000	1,900	171	85	28	30	158
27	162	741	1,400	e360	e440	e1,200	1,250	173	75	32	27	203
28	155	531	1,040	e350	e400	1,400	750	155	67	42	25	566
29	139	652	620	e320	---	1,600	569	141	61	68	23	478
30	129	923	521	e300	---	1,770	480	128	56	76	22	303
31	139	---	945	e300	---	1,730	---	119	---	64	73	---
Total	4,181	11,114	23,958	31,785	25,420	25,170	42,326	7,916	5,596	1,496	947	6,502
Mean	135	370	773	1,025	908	812	1,411	255	187	48.3	30.5	217
Max	390	923	1,450	2,740	2,600	1,770	4,930	626	541	81	73	851
Min	64	164	290	300	250	320	308	119	56	28	18	30
Cfsm	0.39	1.06	2.21	2.94	2.60	2.33	4.04	0.73	0.53	0.14	0.09	0.62
In.	0.45	1.18	2.55	3.39	2.71	2.68	4.51	0.84	0.60	0.16	0.10	0.69

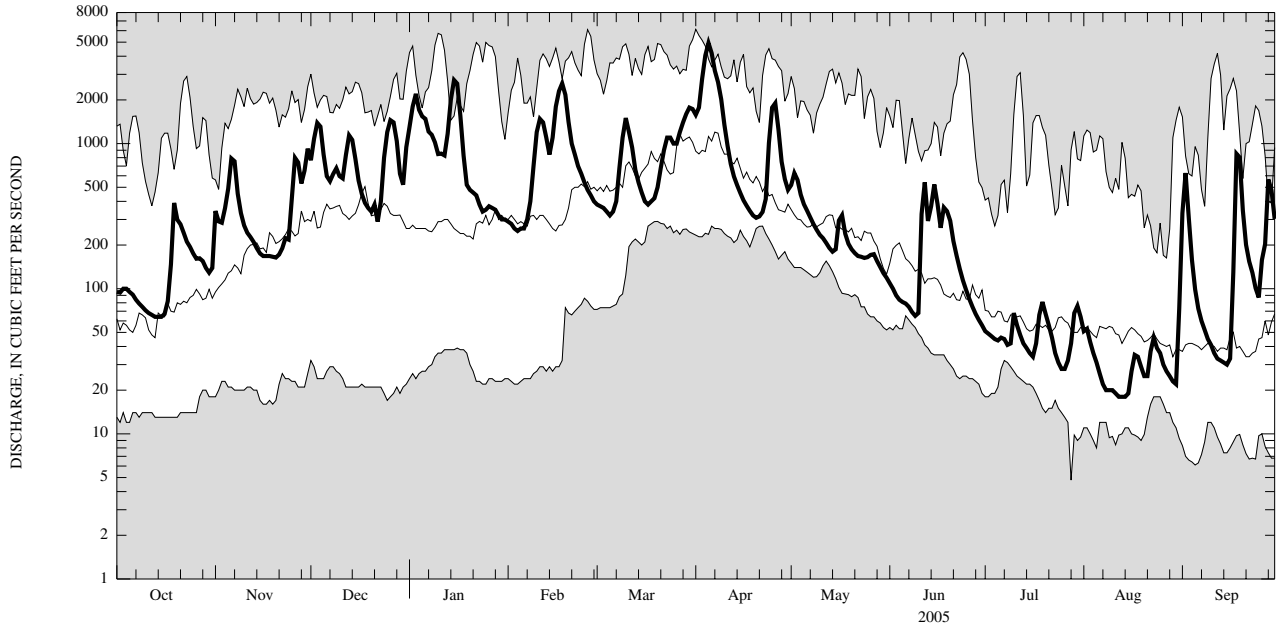
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	147	315	498	547	660	973	917	428	219	104	87.3	113
Max	642	1,239	1,116	1,581	1,363	1,650	1,534	1,046	1,372	511	601	704
(WY)	(1987)	(1986)	(1987)	(1998)	(1981)	(1956)	(1960)	(1956)	(1989)	(1998)	(1992)	(2004)
Min	14.8	25.7	23.3	29.4	103	452	334	144	45.6	26.1	15.9	10.0
(WY)	(1965)	(1961)	(1961)	(1961)	(1963)	(1981)	(1995)	(1993)	(1965)	(1991)	(1991)	(1991)

04218000 TONAWANDA CREEK AT RAPIDS, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1955 - 2005	
Annual total	203,824		186,411			
Annual mean	557		511		416	
Highest annual mean					582	2004
Lowest annual mean					255	1965
Highest daily mean	4,180	Sep 12	4,930	Apr 5	6,130	Apr 1, 1960
Lowest daily mean	53	Aug 28	18	Aug 12	4.8	Jul 28, 1983
Annual seven-day minimum	66	Oct 10	19	Aug 9	6.8	Sep 1, 1991
Annual runoff (cfsm)	1.60		1.46		1.19	
Annual runoff (inches)	21.73		19.87		16.20	
10 percent exceeds	1,260		1,330		1,080	
50 percent exceeds	293		299		200	
90 percent exceeds	100		36		32	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04218518 ELLICOTT CREEK BELOW WILLIAMSVILLE, NY

Niagara Watershed

LOCATION.--Lat 42°58'40", long 78°45'50" referenced to North American Datum of 1927, Erie County, Hydrologic Unit 04120104, on right bank 15 ft upstream from bridge on State Highway 324 (Sheridan Drive), 0.8 mi upstream from sewage treatment plant, 1.4 mi northwest of Williamsville, and 10.8 mi upstream from mouth.

DRAINAGE AREA.--81.6 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1972 to current year.

REVISED RECORDS.--WDR NY-82-3: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 586.41 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Regulation by seasonal manipulation of dam at Island Park 2.4 mi upstream by Village of Williamsville and by intermittent pumping from stone quarries into stream upstream from station. Records at medium and high flows may be comparable with those published as Ellicott Creek at Williamsville (station 04218500) at site 2.2 mi upstream between October 1955 and September 1972. Telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,640 ft³/s, Feb. 25, 1985, gage height, 11.19 ft; no flow for part of July 27, 1976, gage height, 0.73 ft, result of pipeline construction.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 01	1130	1,220	5.87
Jan 14	0045	1,150	5.66
Feb 16	0900	1,090	5.51
Apr 03	2315	*1,580	*6.79

Minimum discharge, 8.2 ft³/s, Sep 6, gage height, 1.60 ft.

04218518 ELLICOTT CREEK BELOW WILLIAMSVILLE, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	46	94	290	1,050	e80	111	211	165	33	19	44	295
2	60	100	591	484	e72	121	334	169	31	19	53	115
3	52	163	312	417	e68	114	1,230	129	30	19	37	70
4	41	209	192	464	91	102	1,330	111	28	18	30	55
5	34	243	152	410	91	107	1,310	99	27	22	28	38
6	32	222	144	266	93	100	910	91	29	29	23	22
7	32	127	144	326	100	141	535	78	27	25	21	28
8	31	93	225	312	162	345	344	74	23	22	22	33
9	32	76	207	212	344	467	256	74	20	27	24	32
10	31	73	157	196	449	343	194	76	148	40	24	33
11	31	74	184	255	305	234	164	58	51	29	23	31
12	29	71	310	249	251	163	144	54	48	25	27	30
13	36	69	387	668	188	133	130	50	37	23	23	27
14	33	64	297	908	218	118	119	47	62	26	23	23
15	34	57	176	636	554	118	112	58	96	24	21	24
16	83	46	135	248	1,040	116	105	104	70	41	21	75
17	153	46	137	169	629	116	100	79	66	51	20	248
18	227	43	116	135	377	130	79	61	74	40	15	e160
19	150	41	122	e120	242	160	81	45	68	24	23	e120
20	108	48	e120	e110	198	258	88	43	48	19	30	e100
21	98	58	e80	e100	177	383	84	36	29	18	34	e70
22	84	75	e90	e100	171	356	98	34	25	16	27	e50
23	78	68	276	e96	171	380	179	31	23	16	19	35
24	72	119	459	e94	155	301	541	37	20	15	21	34
25	60	323	e360	e96	150	287	522	48	19	14	20	70
26	48	387	e220	e100	139	305	295	43	19	16	22	304
27	46	179	e160	e98	126	317	197	40	23	43	37	348
28	46	175	e130	e90	120	360	159	37	18	51	36	258
29	44	287	127	e70	---	373	132	37	23	41	26	131
30	58	181	135	e64	---	315	127	35	18	29	37	82
31	75	---	454	e72	---	241	---	35	---	24	387	---
Total	1,984	3,811	6,889	8,615	6,761	7,115	10,110	2,078	1,233	825	1,198	2,941
Mean	64.0	127	222	278	241	230	337	67.0	41.1	26.6	38.6	98.0
Max	227	387	591	1,050	1,040	467	1,330	169	148	51	387	348
Min	29	41	80	64	68	100	79	31	18	14	15	22
Cfsm	0.78	1.56	2.72	3.41	2.96	2.81	4.13	0.82	0.50	0.33	0.47	1.20
In.	0.90	1.74	3.14	3.93	3.08	3.24	4.61	0.95	0.56	0.38	0.55	1.34

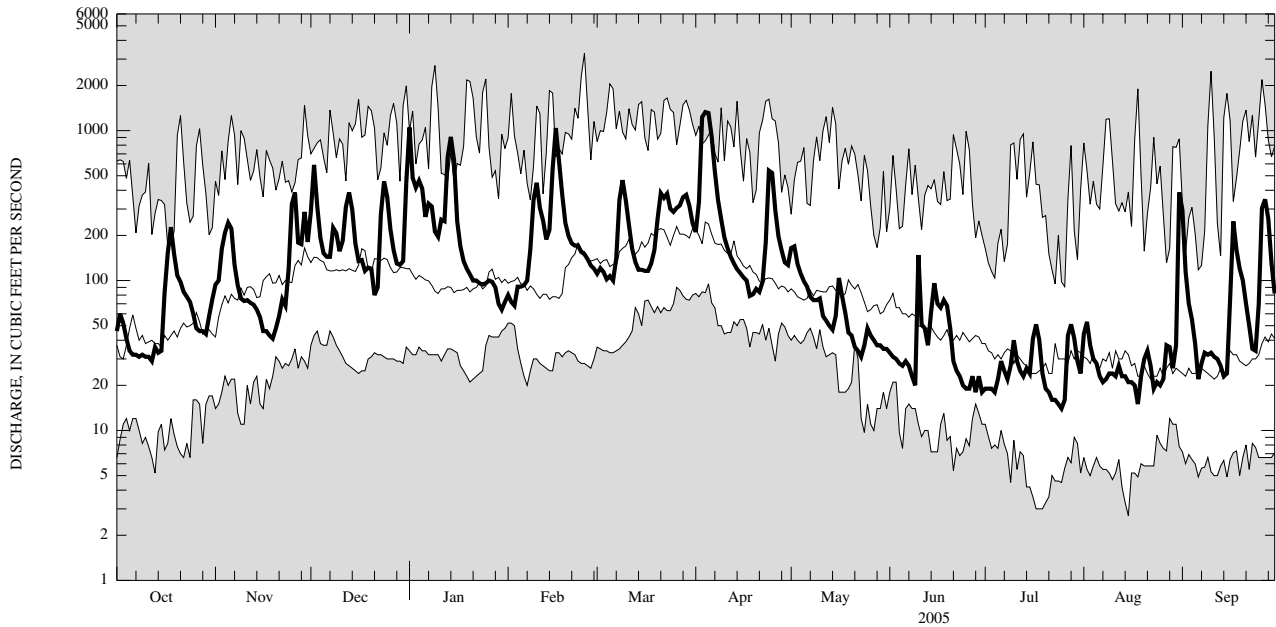
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	70.7	140	195	173	189	273	212	121	77.0	45.5	54.8	70.2
Max	196	342	441	426	377	519	363	284	275	144	397	425
(WY)	(1997)	(1986)	(1978)	(1998)	(1990)	(1977)	(1996)	(2002)	(1989)	(1976)	(1977)	(1977)
Min	11.2	27.1	40.6	39.2	56.0	119	94.8	47.5	24.2	11.8	13.5	9.76
(WY)	(1975)	(1979)	(1990)	(1977)	(1980)	(1981)	(1995)	(1977)	(1988)	(1978)	(1974)	(1973)

04218518 ELLICOTT CREEK BELOW WILLIAMSVILLE, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1973 - 2005	
Annual total	58,569		53,560			
Annual mean	160		147		135	
Highest annual mean					177	1977
Lowest annual mean					91.2	1999
Highest daily mean	2,490	Sep 10	1,330	Apr 4	3,280	Feb 25, 1985
Lowest daily mean	22	Jul 3	14	Jul 25	2.7	Aug 15, 1978
Annual seven-day minimum	30	Aug 22	16	Jul 20	3.6	Jul 15, 1978
Annual runoff (cfsm)	1.96		1.80		1.65	
Annual runoff (inches)	26.70		24.42		22.45	
10 percent exceeds	317		344		302	
50 percent exceeds	99		84		76	
90 percent exceeds	41		23		19	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD. SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04219000 ERIE (BARGE) CANAL AT LOCK 30, MACEDON, NY

Seneca Watershed

LOCATION.--Lat 43°04'20", long 77°17'45" referenced to North American Datum of 1927, Wayne County, Hydrologic Unit 04140201, on left bank in Macedon, 500 ft downstream from headgate in old Erie Canal, 700 ft downstream from bridge on State Highway 350, 0.2 mi downstream from Lock 30, and 2.6 mi upstream from Ganargua Creek.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1919 to December 1920, October 1950 to September 1977, October 1977 to current year (navigation seasons only). Prior to October 1956, published as "Barge Canal at Lock 30, Macedon."

REVISED RECORDS.--WSP 1237: 1951

GAGE.--Water-stage recorder. Datum of gage is 447.58 ft above NGVD of 1929. Nov. 1, 1919 to Dec. 28, 1920, nonrecording gage at same site at different datum.

COOPERATION.--Records of gate openings, lockages, lock-valve openings, and elevations of water surface in Erie (Barge) Canal upstream and downstream from Lock 30 furnished by New York State Canal Corporation.

REMARKS.--No estimated daily discharges. Records good. This record represents net diversion from Niagara River basin into Oswego River basin through Erie (Barge) Canal. During the non-navigation period, when the pool upstream from Lock 30 is drained, discharge consists of leakage through guard gates, runoff from small areas tributary to canal upstream from station, or diversion for use downstream in the Canal system.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 874 ft³/s, Dec. 3, 1969, maximum instantaneous discharge not determined; no significant flow at times in many years.

04219000 ERIE (BARGE) CANAL AT LOCK 30, MACEDON, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	198	204	59	---	---	---	---	153	213	289	300	302
2	192	199	---	---	---	---	---	156	250	295	312	296
3	195	199	---	---	---	---	---	156	268	302	307	280
4	189	199	---	---	---	---	---	160	273	288	306	286
5	185	201	---	---	---	---	---	161	289	291	318	287
6	186	200	---	---	---	---	---	161	271	300	307	270
7	203	201	---	---	---	---	---	157	269	291	308	272
8	223	199	---	---	---	---	---	158	270	294	314	268
9	217	198	---	---	---	---	---	162	268	299	309	280
10	221	196	---	---	---	---	---	164	271	298	313	283
11	213	196	---	---	---	---	---	163	270	301	304	291
12	215	193	---	---	---	---	---	166	278	312	307	288
13	213	190	---	---	---	---	---	171	273	300	307	298
14	209	189	---	---	---	---	---	163	274	300	307	290
15	210	194	---	---	---	---	---	163	276	300	310	281
16	210	189	---	---	---	---	---	163	276	309	304	278
17	212	185	---	---	---	---	---	171	280	296	308	292
18	206	174	---	---	---	---	---	168	280	289	305	286
19	208	153	---	---	---	---	---	163	290	291	302	279
20	208	124	---	---	---	---	---	168	270	299	309	273
21	208	106	---	---	---	---	---	175	288	294	301	273
22	210	90	---	---	---	---	---	162	283	301	307	285
23	204	79	---	---	---	---	---	166	284	297	299	269
24	204	72	---	---	---	---	---	168	281	309	291	290
25	201	76	---	---	---	---	---	171	291	301	296	283
26	201	71	---	---	---	---	12	166	282	299	286	273
27	201	66	---	---	---	---	64	177	296	305	289	268
28	203	69	---	---	---	---	114	164	288	312	300	270
29	200	73	---	---	---	---	142	170	284	308	283	270
30	199	70	---	---	---	---	148	166	286	304	281	268
31	199	---	---	---	---	---	---	204	---	312	285	---
Total	6,343	4,555	---	---	---	---	---	5,136	8,272	9,286	9,375	8,429
Mean	205	152	---	---	---	---	---	166	276	300	302	281
Max	223	204	---	---	---	---	---	204	296	312	318	302
Min	185	66	---	---	---	---	---	153	213	288	281	268

04219767 EIGHTEENMILE CREEK AT NEWFANE, NY

Oak Orchard - Twelvemile Watershed

LOCATION.--Lat 43°16'43", long 78°42'32" referenced to North American Datum of 1927, Niagara County, Hydrologic Unit 04130001, on left bank at downstream side of bridge on Jacques Road, at Newfane, and approximately 4.0 mi upstream from Lake Ontario.

DRAINAGE AREA.--75.4 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Low-flow partial record--1989-90, annual maximum only--2004 to current year.

GAGE.--Crest-stage partial-record station. Elevation of gage is 350 ft above NGVD of 1929, from topographic map.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,070 ft³/s, Sep. 10, 2004, gage height, 41.42 ft.

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 3, 2005	1,940	---	41.13	---

04220250 WEST CREEK NEAR HILTON, NY

Oak Orchard - Twelvemile Watershed

LOCATION.--Lat 43°18'10", long 77°48'50" referenced to North American Datum of 1927, Monroe County, Hydrologic Unit 04130001, on right bank just downstream from bridge on Collamer Road, 0.5 mi north of Collamer, and 1.5 mi northwest of Hilton.

DRAINAGE AREA.--31.0 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1957 to September 1964, October 1970 to September 1972 and October 1986 to September 2002 (annual maximum only), May 2004 to current year.

GAGE.--Water-stage recorder. Datum of gage is 261.53 ft above NGVD of 1929. Prior to Oct. 1, 1957, wire-weight gage at same site and datum.

COOPERATION.--Discharge measurements were provided by the Monroe County Environmental Health Laboratory at Rochester, N.Y.

REMARKS.--Records fair. Discharge includes undetermined diversion from Erie (Barge) Canal upstream from station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,720 ft³/s, Sep. 9, 2004, gage height, 10.54 ft, maximum gage height, 10.67 ft, Mar. 30, 1960; minimum instantaneous discharge not determined.

EXTREMES FOR CURRENT PERIOD.—May to September 2005: Maximum discharge during period, 1,720 ft³/s, Sep. 9, gage height, 10.54 ft; minimum discharge, 3.5 ft³/s, Aug. 27, 28, and Sep. 30, gage height, 2.73 ft.

Water year 2005: Maximum discharge, 1,240 ft³/s, Apr. 3, gage height, 9.31 ft; minimum discharge, 0.63 ft³/s, June 1, 2, gage height, 2.57 ft.

04220250 WEST CREEK NEAR HILTON, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	51	7.4	330	13
2	---	---	---	---	---	---	---	---	32	6.9	70	8.6
3	---	---	---	---	---	---	---	---	26	6.8	24	7.0
4	---	---	---	---	---	---	---	---	20	7.1	16	6.3
5	---	---	---	---	---	---	---	---	18	21	110	6.1
6	---	---	---	---	---	---	---	---	16	14	26	5.7
7	---	---	---	---	---	---	---	---	15	9.8	15	5.6
8	---	---	---	---	---	---	---	---	14	9.1	12	6.3
9	---	---	---	---	---	---	---	---	13	8.2	10	900
10	---	---	---	---	---	---	---	---	35	7.4	8.6	1,050
11	---	---	---	---	---	---	---	---	26	6.6	7.8	193
12	---	---	---	---	---	---	---	---	17	6.6	7.2	70
13	---	---	---	---	---	---	---	---	14	6.7	6.9	34
14	---	---	---	---	---	---	---	---	15	26	7.0	21
15	---	---	---	---	---	---	---	---	54	78	6.2	15
16	---	---	---	---	---	---	---	---	24	50	5.6	12
17	---	---	---	---	---	---	---	---	18	18	5.6	9.7
18	---	---	---	---	---	---	---	---	28	15	5.0	8.2
19	---	---	---	---	---	---	---	---	20	17	4.8	7.0
20	---	---	---	---	---	---	---	---	15	31	5.2	6.6
21	---	---	---	---	---	---	---	---	13	73	5.0	6.2
22	---	---	---	---	---	---	---	8.1	14	19	4.7	5.7
23	---	---	---	---	---	---	---	75	20	11	4.6	5.6
24	---	---	---	---	---	---	---	1,060	14	8.2	4.3	5.2
25	---	---	---	---	---	---	---	414	13	6.4	4.1	4.8
26	---	---	---	---	---	---	---	73	13	6.0	4.1	4.8
27	---	---	---	---	---	---	---	39	12	169	4.0	4.3
28	---	---	---	---	---	---	---	31	11	143	4.1	4.2
29	---	---	---	---	---	---	---	23	9.6	49	16	5.0
30	---	---	---	---	---	---	---	19	7.8	19	23	3.8
31	---	---	---	---	---	---	---	20	---	294	31	---
Total	---	---	---	---	---	---	---	---	598.4	1,150.2	787.8	2,434.7
Mean	---	---	---	---	---	---	---	---	19.9	37.1	25.4	81.2
Max	---	---	---	---	---	---	---	---	54	294	330	1,050
Min	---	---	---	---	---	---	---	---	7.8	6.0	4.0	3.8

04220250 WEST CREEK NEAR HILTON, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	4.6	7.6	103	265	18	24	59	71	0.88	7.1	5.9	23
2	4.6	8.1	139	108	17	24	290	37	4.8	6.8	5.8	8.5
3	5.6	12	51	258	17	e24	1,120	35	8.6	6.0	4.3	5.3
4	5.5	13	30	137	17	e25	649	24	8.3	6.3	4.4	5.4
5	5.1	16	23	85	17	e25	171	18	7.8	6.0	5.2	4.7
6	4.9	14	18	55	17	e26	61	14	7.3	6.8	4.8	4.4
7	4.7	11	21	94	19	46	37	13	7.2	6.6	3.8	4.5
8	4.3	10	80	64	34	274	27	11	6.4	6.6	4.2	5.0
9	3.8	9.2	42	45	116	242	21	9.7	5.5	7.5	5.2	5.7
10	3.6	8.8	41	57	110	89	17	8.2	6.0	7.0	5.0	5.8
11	4.0	8.6	112	75	e92	e55	15	7.2	6.9	6.9	4.4	6.9
12	4.2	8.5	113	68	e80	e36	13	6.2	6.9	6.1	4.5	8.2
13	4.3	8.2	87	161	e62	e30	12	4.9	9.4	4.8	4.6	8.6
14	4.4	8.1	e50	202	62	e26	11	5.0	32	4.8	4.5	8.6
15	5.6	8.0	e26	78	397	e24	10	11	18	4.6	4.4	8.7
16	5.9	8.1	e20	e34	571	e22	9.3	11	14	5.4	4.8	11
17	5.7	8.1	e20	e20	265	e24	8.1	8.2	14	7.2	5.6	12
18	7.7	8.2	e16	22	130	e30	7.8	6.5	13	6.7	5.3	6.4
19	7.9	8.3	14	22	80	e40	7.2	5.3	12	5.7	5.0	5.8
20	8.0	8.6	13	22	54	e52	7.4	4.2	11	5.3	6.3	5.5
21	9.5	9.2	11	21	42	73	17	3.4	10	4.8	7.4	5.1
22	9.4	9.6	9.7	20	39	196	16	3.0	9.5	4.3	6.2	5.3
23	9.3	8.3	121	18	e35	211	85	3.2	8.9	4.1	6.0	5.5
24	9.0	8.7	400	18	e32	90	436	3.5	8.4	3.4	5.6	5.1
25	9.7	55	161	18	e30	150	150	5.5	8.1	2.8	5.6	5.4
26	8.8	32	e47	18	e28	139	46	4.4	7.9	5.4	4.9	9.8
27	7.5	19	28	18	e26	141	30	2.6	7.6	6.8	6.1	11
28	5.7	73	22	18	e25	184	28	2.2	7.6	7.6	6.4	7.8
29	4.8	100	21	19	---	185	37	1.7	7.4	6.3	6.2	6.4
30	5.4	37	21	19	---	113	36	1.5	7.3	6.1	6.3	6.4
31	7.0	---	103	19	---	75	---	1.2	---	6.0	40	---
Total	190.5	544.2	1,963.7	2,078	2,432	2,695	3,433.8	342.6	282.68	181.8	198.7	221.8
Mean	6.15	18.1	63.3	67.0	86.9	86.9	114	11.1	9.42	5.86	6.41	7.39
Max	9.7	100	400	265	571	274	1,120	71	32	7.6	40	23
Min	3.6	7.6	9.7	18	17	22	7.2	1.2	0.88	2.8	3.8	4.4

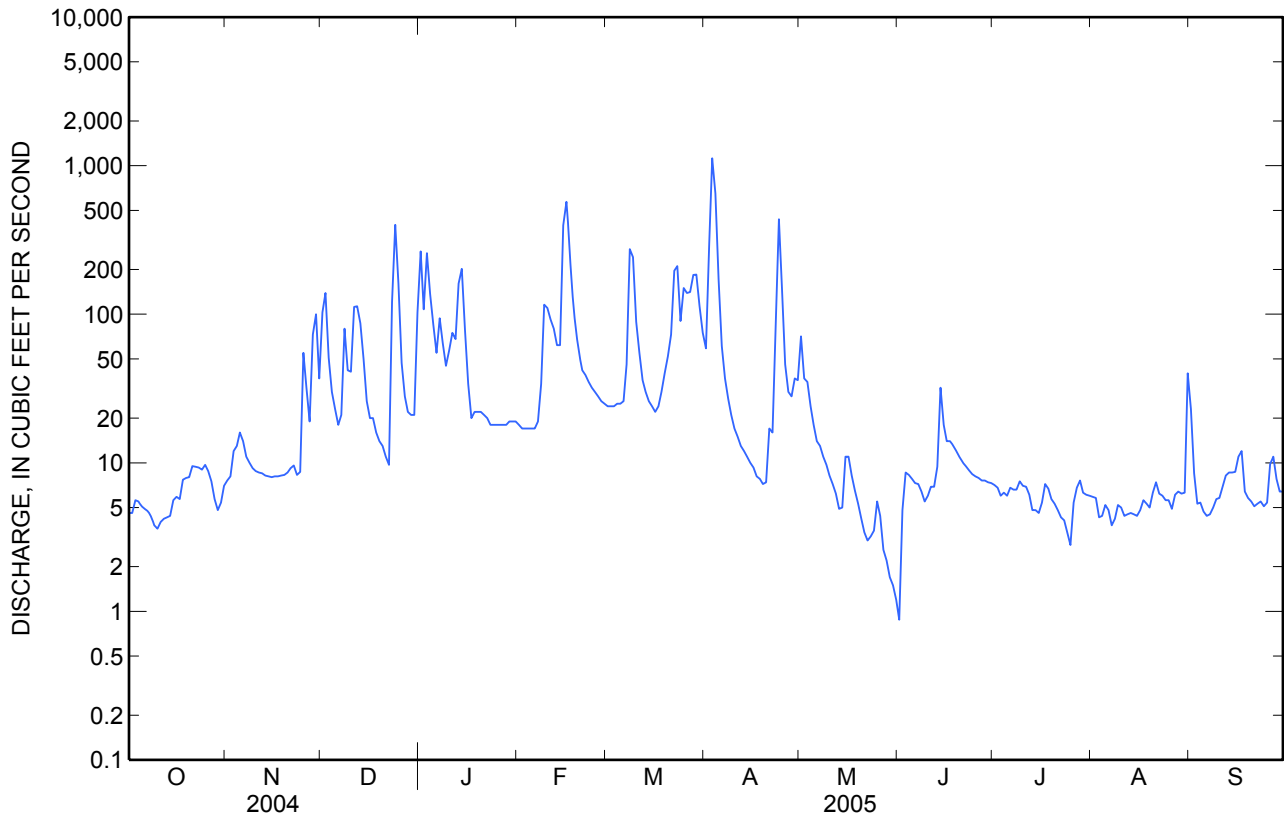
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	7.07	8.40	20.2	31.0	40.3	95.6	57.1	14.4	8.60	8.15	8.80	14.5
Max	10.4	18.1	67.2	67.0	129	133	114	38.2	22.5	37.1	25.4	81.2
(WY)	(1959)	(2005)	(1960)	(2005)	(1960)	(1963)	(2005)	(1960)	(1961)	(2004)	(2004)	(2004)
Min	5.36	2.20	1.11	0.75	4.24	42.3	23.5	4.16	1.98	2.80	4.06	3.25
(WY)	(1961)	(1961)	(1961)	(1961)	(1963)	(1961)	(1958)	(1959)	(1958)	(1958)	(1958)	(1960)

04220250 WEST CREEK NEAR HILTON, NY—Continued

SUMMARY STATISTICS

	Water Year 2005		Water Years 2003 - 2005	
Annual total	14,564.78			
Annual mean	39.9		39.9	
Highest annual mean			39.9	2005
Lowest annual mean			39.9	2005
Highest daily mean	1,120	Apr 3	1,120	Apr 3, 2005
Lowest daily mean	0.88	Jun 1	0.88	Jun 1, 2005
Annual seven-day minimum	2.1	May 26	2.1	May 26, 2005
10 percent exceeds	101		101	
50 percent exceeds	9.7		9.7	
90 percent exceeds	4.6		4.6	



0422026250 NORTHRUP CREEK AT NORTH GREECE, NY

Oak Orchard - Twelvemile Watershed

LOCATION.--Lat 43°15'13", long 77°44'33" referenced to North American Datum of 1927, Monroe County, Hydrologic Unit 04130001, on right bank 75 ft downstream from bridge on State Highway 18 (Latta Road), 0.5 mi west of North Greece, and 5.1 mi upstream from mouth

DRAINAGE AREA.--10.1 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1989 to current year.

REVISED RECORDS.--WDR NY-2001-3: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 306 ft above NGVD of 1929, from topographic map.

COOPERATION.--Discharge measurements were provided by the Monroe County Environmental Health Laboratory at Rochester, N.Y.

REMARKS.—No estimated daily discharges. Records fair. Discharge includes undetermined diversion from Erie (Barge) Canal upstream from station. Unpublished water-quality records for prior years are available in files of Monroe County Department of Health.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,060 ft³/s, Sept. 9, 2004, gage height, 5.01 ft, from rating extended above 130 ft³/s on basis of contracted-opening measurement of peak flow at gage height 4.36 ft; minimum discharge, 0.39 ft³/s, Aug. 19, 1993, gage height 0.46 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 758 ft³/s, May 17, 1974, gage height, 4.36 ft, on basis of contracted-opening measurement of peak flow.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 23	1730	a272	2.85
Apr 03	0130	a*538	*3.76

a From rating curve extended as explained above.

Minimum discharge, 5.2 ft³/s, Mar 15, gage height, 1.13 ft.

0422026250 NORTHRUP CREEK AT NORTH GREECE, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	9.0	9.0	64	33	18	14	21	24	10	8.7	7.9	17
2	10	10	34	27	18	15	246	21	9.8	8.3	7.8	11
3	9.7	15	24	41	18	16	447	19	9.8	8.0	7.7	9.0
4	9.1	16	19	39	18	15	142	17	9.9	8.3	7.6	8.4
5	8.9	17	17	26	17	14	41	16	9.9	9.3	7.4	8.3
6	8.8	12	15	27	17	15	28	15	9.5	8.6	7.5	8.0
7	8.5	10	24	35	18	34	22	15	9.0	8.1	7.5	7.8
8	8.4	9.4	29	22	46	74	20	14	8.8	13	7.4	7.9
9	8.4	8.8	19	19	57	45	17	13	9.2	9.4	7.5	7.8
10	8.2	8.3	39	24	33	26	15	13	10	8.7	7.3	7.8
11	8.2	8.1	68	23	27	19	14	12	8.0	8.3	7.5	7.7
12	8.0	7.7	35	38	23	16	13	11	10	8.0	7.6	9.7
13	7.9	7.5	28	51	20	14	12	11	8.9	7.7	7.9	7.7
14	8.3	7.3	20	63	38	14	11	12	10	9.4	7.9	7.8
15	10	7.4	17	25	154	14	13	22	8.2	14	7.6	8.1
16	10	7.4	15	19	95	14	14	15	9.0	10	7.4	31
17	10	7.8	15	15	46	15	15	13	11	11	7.2	18
18	9.1	8.6	12	24	31	17	14	12	12	9.8	7.4	12
19	8.1	12	12	23	27	17	13	11	11	8.7	7.5	11
20	8.3	14	23	16	19	20	16	11	10	8.3	7.7	11
21	10	15	12	16	18	28	19	11	9.8	8.2	10	9.8
22	9.8	13	10	19	18	44	17	11	9.7	8.0	7.7	9.1
23	8.8	12	94	24	18	38	56	11	10	7.9	7.9	9.0
24	8.5	38	40	28	19	30	90	14	11	7.7	7.6	8.7
25	8.8	55	27	21	17	37	31	13	10	7.7	7.6	11
26	8.5	25	19	20	16	34	22	11	9.9	7.9	7.5	27
27	8.3	19	14	18	15	37	19	11	9.1	19	7.5	18
28	8.2	62	13	17	14	45	18	11	8.9	12	7.5	12
29	8.2	32	15	18	---	39	17	11	9.1	9.1	7.4	12
30	14	21	14	18	---	28	23	10	8.9	8.7	7.5	11
31	11	---	35	17	---	24	---	10	---	8.2	51	---
Total	281.0	495.3	822	806	875	812	1,446	421	290.4	290.0	280.5	344.6
Mean	9.06	16.5	26.5	26.0	31.2	26.2	48.2	13.6	9.68	9.35	9.05	11.5
Max	14	62	94	63	154	74	447	24	12	19	51	31
Min	7.9	7.3	10	15	14	14	11	10	8.0	7.7	7.2	7.7

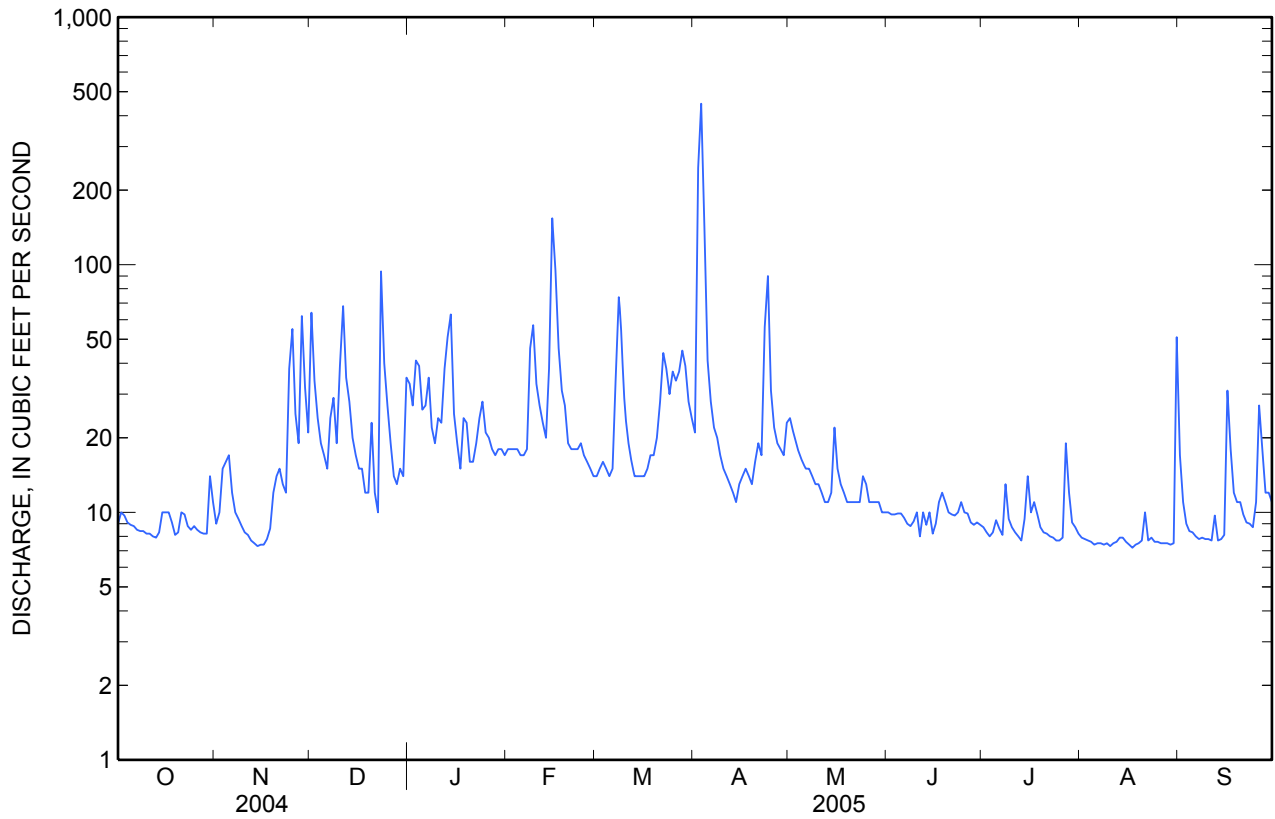
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	8.44	12.1	13.4	17.4	20.7	26.3	23.6	16.3	8.72	7.37	6.61	8.69
Max	30.9	26.4	26.5	45.6	38.9	40.7	48.2	31.3	16.8	22.0	13.9	41.3
(WY)	(1997)	(1997)	(2005)	(1998)	(1990)	(1993)	(2005)	(2002)	(1996)	(2004)	(2004)	(2004)
Min	1.83	2.49	3.00	6.39	7.82	15.2	5.27	4.77	3.06	1.96	1.60	1.92
(WY)	(1995)	(1992)	(1999)	(2000)	(1993)	(2002)	(1995)	(1993)	(1991)	(1993)	(1993)	(1994)

0422026250 NORTHRUP CREEK AT NORTH GREECE, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1990 - 2005	
Annual total	7,426.6		7,163.8			
Annual mean	20.3		19.6		14.1	
Highest annual mean					19.6	2005
Lowest annual mean					7.33	1995
Highest daily mean	720	Sep 9	447	Apr 3	720	Sep 9, 2004
Lowest daily mean	6.0	Feb 18	7.2	Aug 17	1.1	Aug 19, 1993
Annual seven-day minimum	6.8	Aug 21	7.4	Aug 5	1.4	Aug 22, 1993
10 percent exceeds	35		35		26	
50 percent exceeds	11		13		8.9	
90 percent exceeds	7.0		7.8		3.2	



0422026250 NORTHRUP CREEK AT NORTH GREECE, NY—Continued

WATER-QUALITY RECORDS

COOPERATION.—Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, N.Y.

PERIOD OF RECORD.--October 1989 to current year.

CHEMICAL DATA: Water years 1989 (a), 1990 to 2003 (e), 2004 to 2005 (d).

NUTRIENT DATA: Water years 1989 (a), 1990 to 2003 (e), 2004 to 2005 (d).

PERIOD OF DAILY RECORD.-- WATER TEMPERATURES: November 1994 to current year.

INSTRUMENTATION.--Automatic water sampler since October 1989. Water temperature recorder since November 1994 provides 15-minute-interval readings.

REMARKS.--Prior to 1994 water year, data published in "Water Resources of Monroe County New York, Water Years 1989-93", U.S. Geological Survey Open-File Report 97-587.

EXTREMES FOR PERIOD OF DAILY RECORD.-- WATER TEMPERATURES: Maximum, 29.0°C, July 18, 2005; minimum, 0°C, on many days during winter period.

EXTREMES FOR CURRENT YEAR.-- WATER TEMPERATURES: Maximum, 29.0°C, July 18; minimum, 0°C, on many days during winter period.

0422026250 NORTHRUP CREEK AT NORTH GREECE, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	17.5	16.0	17.0	12.5	11.0	11.5	7.0	6.0	6.5	4.0	2.5	3.5
2	18.0	16.5	17.5	11.5	11.0	11.0	6.0	5.0	5.5	5.0	2.0	3.0
3	16.5	14.5	15.5	11.5	9.0	10.5	5.5	3.5	4.5	5.0	4.5	4.5
4	15.0	13.5	14.5	9.0	7.5	8.0	4.0	2.5	3.0	4.5	3.5	4.0
5	13.5	12.5	13.0	9.0	8.0	8.5	4.5	3.0	4.0	3.5	1.5	2.5
6	14.5	12.0	13.0	10.0	8.0	9.0	3.0	2.0	2.5	1.5	0.5	1.0
7	16.5	14.5	15.5	11.5	10.0	10.5	6.0	2.5	4.0	1.5	1.0	1.0
8	17.0	15.5	16.5	10.0	7.0	8.5	6.0	5.5	6.0	1.5	1.0	1.5
9	17.0	15.5	16.5	7.0	5.0	6.0	6.0	5.5	5.5	2.5	1.5	2.0
10	15.5	13.5	14.5	7.0	4.5	5.5	6.0	6.0	6.0	3.0	2.0	2.5
11	13.5	12.0	13.0	8.0	7.0	8.0	6.0	4.5	5.5	2.5	2.0	2.0
12	13.0	11.0	12.0	7.0	5.0	6.0	4.5	4.0	4.5	3.5	2.0	2.5
13	13.5	12.0	12.5	5.0	4.0	4.5	4.5	3.5	4.0	8.0	3.5	6.0
14	14.0	13.0	13.5	4.5	3.0	4.0	3.5	1.0	2.0	7.5	1.5	4.0
15	14.5	14.0	14.0	6.0	4.0	5.0	1.5	1.0	1.5	1.5	0.5	0.5
16	14.0	11.5	13.0	7.5	6.0	6.5	2.5	0.5	1.5	0.5	0.5	0.5
17	11.5	10.0	10.5	9.0	7.0	8.0	2.5	0.5	1.5	0.5	0.5	0.5
18	10.5	10.0	10.5	10.0	9.0	10.0	2.0	0.5	1.0	0.5	0.5	0.5
19	11.0	10.5	10.5	10.0	9.5	10.0	2.5	0.5	1.5	0.5	0.5	0.5
20	11.5	10.5	11.0	9.5	8.5	9.0	0.5	0.5	0.5	0.5	0.0	0.5
21	12.0	11.5	12.0	10.0	9.5	10.0	0.5	0.5	0.5	0.5	0.5	0.5
22	12.0	11.5	12.0	9.5	7.5	8.5	0.5	0.5	0.5	0.5	0.5	0.5
23	11.5	10.0	11.0	8.5	6.5	7.5	0.5	0.0	0.5	0.5	0.5	0.5
24	11.5	11.0	11.0	9.0	8.5	9.0	0.5	0.5	0.5	0.5	0.5	0.5
25	12.0	11.5	11.5	9.0	5.5	7.5	0.5	0.5	0.5	0.5	0.0	0.5
26	12.5	11.5	12.0	6.0	5.0	5.5	0.5	0.5	0.5	0.5	0.5	0.5
27	12.0	11.5	12.0	7.0	5.5	6.0	0.5	0.5	0.5	0.5	0.5	0.5
28	11.5	10.0	10.5	8.0	7.0	7.5	0.5	0.5	0.5	0.5	0.5	0.5
29	12.0	10.0	11.0	7.0	5.5	6.0	0.5	0.5	0.5	0.5	0.5	0.5
30	15.5	12.0	14.0	6.5	5.5	6.0	0.5	0.0	0.5	0.5	0.0	0.5
31	15.5	12.5	14.0	---	---	---	4.0	0.5	2.0	0.5	0.5	0.5
Month	18.0	10.0	13.1	12.5	3.0	7.8	7.0	0.0	2.5	8.0	0.0	1.6

0422026250 NORTHRUP CREEK AT NORTH GREECE, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	0.5	0.0	0.5	0.5	0.0	0.5	11.5	8.0	9.5	13.0	10.0	11.5
2	0.5	0.0	0.5	0.5	0.0	0.0	10.0	5.0	6.5	12.5	10.5	11.5
3	0.5	0.0	0.5	0.0	0.0	0.0	5.0	4.5	4.5	12.5	10.0	11.0
4	0.5	0.5	0.5	0.5	0.0	0.0	9.0	4.0	6.0	12.5	10.0	11.0
5	0.5	0.0	0.5	0.5	0.0	0.5	10.5	5.5	8.0	14.5	9.5	12.0
6	0.5	0.0	0.0	1.0	0.5	0.5	11.5	7.5	9.5	17.0	11.0	14.0
7	0.5	0.0	0.0	3.0	1.0	1.5	11.0	9.5	10.0	18.0	13.0	15.5
8	0.5	0.0	0.5	1.5	0.0	0.5	12.5	7.5	10.0	18.5	13.0	16.0
9	0.5	0.5	0.5	0.5	0.0	0.0	13.0	8.5	11.0	19.0	14.5	16.5
10	0.5	0.0	0.5	0.5	0.0	0.5	13.5	9.0	11.5	21.0	15.5	18.5
11	0.5	0.0	0.0	0.5	0.0	0.5	12.5	9.5	11.0	21.5	18.5	20.0
12	0.5	0.0	0.5	2.0	0.0	1.0	12.0	8.0	10.0	18.5	14.5	16.5
13	0.5	0.0	0.5	2.5	0.5	1.5	12.0	7.5	10.0	16.5	13.0	15.0
14	1.5	0.0	0.5	2.5	0.0	1.0	13.0	8.5	11.0	17.5	15.0	16.5
15	2.0	1.0	1.5	3.5	0.0	1.5	13.0	9.0	11.0	19.5	16.5	18.0
16	1.5	0.5	1.0	3.5	0.5	2.0	14.0	8.5	11.5	17.5	14.0	15.5
17	2.0	0.5	1.0	4.0	1.0	2.5	15.0	10.0	12.5	15.5	13.0	14.0
18	0.5	0.0	0.5	4.0	1.0	2.5	16.0	11.0	13.5	18.0	13.5	15.5
19	0.5	0.0	0.5	4.0	1.0	2.5	17.5	12.0	15.0	17.5	14.5	16.0
20	0.5	0.0	0.0	3.0	2.5	2.5	16.5	13.5	15.5	19.0	15.0	17.0
21	0.5	0.0	0.5	5.5	2.0	3.5	15.0	11.0	13.0	18.5	15.5	17.0
22	1.5	0.5	1.0	5.5	1.5	3.5	14.0	10.5	12.5	17.0	15.5	16.5
23	1.5	0.0	0.5	3.0	1.5	2.0	12.5	11.0	11.5	16.5	15.0	15.5
24	0.5	0.0	0.5	5.0	1.0	3.0	11.0	9.5	10.5	15.5	14.0	15.0
25	0.5	0.0	0.5	4.5	3.0	3.5	10.0	8.5	9.5	18.5	14.5	16.5
26	0.5	0.0	0.5	5.5	1.5	3.5	13.5	9.0	11.0	19.5	15.5	17.5
27	1.0	0.0	0.5	6.5	2.5	4.5	16.0	12.5	14.0	18.5	16.5	17.5
28	1.0	0.0	0.5	6.0	5.0	5.5	14.0	11.5	12.5	18.5	16.5	17.5
29	---	---	---	7.0	4.5	5.5	14.0	10.0	12.0	18.5	16.5	17.5
30	---	---	---	8.0	4.5	6.5	13.0	11.0	12.0	19.5	16.5	18.0
31	---	---	---	9.5	6.0	8.0	---	---	---	20.5	17.0	19.0
Month	2.0	0.0	0.5	9.5	0.0	2.3	17.5	4.0	10.9	21.5	9.5	15.8

0422026250 NORTHRUP CREEK AT NORTH GREECE, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	21.5	18.0	19.5	26.5	24.5	26.0	26.0	23.5	25.0	24.0	22.5	23.5
2	22.0	19.0	20.5	24.5	22.5	23.5	27.0	25.0	26.0	24.0	23.0	23.5
3	21.5	19.5	20.5	25.0	21.5	23.0	28.5	24.5	27.0	23.5	22.0	22.5
4	21.0	20.0	20.5	26.5	24.0	25.5	28.0	26.0	27.0	22.5	21.0	22.0
5	23.0	19.5	21.5	26.5	25.5	26.0	27.5	24.5	26.0	22.5	20.5	21.5
6	24.5	22.0	23.0	26.0	23.5	25.0	25.5	23.5	24.5	23.0	20.0	22.0
7	24.5	22.0	23.0	25.0	23.0	24.0	26.0	23.5	24.5	23.5	20.5	22.5
8	24.5	22.0	23.5	24.5	22.5	23.5	26.0	24.0	25.0	22.5	22.0	22.5
9	26.0	22.5	24.5	24.5	23.0	23.5	27.0	25.0	26.0	23.0	21.0	22.0
10	25.5	24.0	25.0	26.0	23.0	24.5	27.0	25.0	26.0	22.0	20.5	21.0
11	26.0	24.0	25.0	27.0	24.0	25.5	26.5	25.5	26.0	21.5	19.5	20.5
12	26.0	24.5	25.5	27.5	25.5	26.5	25.5	24.0	25.0	25.5	19.5	23.5
13	26.5	24.5	25.5	28.0	26.0	27.0	26.5	25.0	26.0	25.5	24.0	24.5
14	26.5	24.5	25.5	28.5	26.5	27.5	25.5	23.5	24.5	25.5	23.5	24.5
15	25.5	24.0	25.0	27.5	25.5	26.5	25.0	23.0	24.0	25.0	23.0	24.5
16	24.0	20.5	22.0	27.5	26.0	27.0	25.0	23.5	24.0	23.5	21.5	22.5
17	21.0	20.0	20.5	28.0	26.5	27.0	25.0	23.5	24.0	23.5	22.5	23.0
18	21.5	20.5	21.0	29.0	27.0	27.5	24.0	22.5	23.0	23.5	21.5	23.0
19	21.0	20.0	20.5	28.0	26.5	27.5	25.0	23.5	24.0	24.0	22.5	23.5
20	22.5	19.0	21.0	26.5	25.0	26.0	25.0	24.0	24.5	24.0	22.5	23.5
21	24.0	21.0	22.5	27.0	24.0	26.0	25.5	24.5	25.0	23.5	22.0	22.5
22	23.5	22.0	23.0	27.0	26.0	26.5	24.5	23.0	23.5	23.5	22.0	23.0
23	23.0	20.0	22.0	26.0	24.5	25.5	23.0	22.5	22.5	23.5	21.0	22.5
24	25.0	21.5	23.0	25.5	24.0	25.0	23.5	21.5	22.5	21.5	20.0	20.5
25	26.5	23.5	25.0	27.0	25.0	26.0	23.0	21.0	22.0	23.0	20.5	21.5
26	26.0	24.0	25.0	26.5	25.0	25.5	24.0	22.0	23.0	23.0	22.0	22.5
27	26.5	23.0	25.0	26.0	23.5	25.0	24.0	23.0	23.5	22.0	20.5	21.0
28	27.5	25.0	26.5	24.5	22.5	23.5	25.0	23.0	24.0	21.0	20.0	20.5
29	26.5	25.5	26.0	24.5	22.5	23.5	24.0	23.0	23.5	21.0	19.0	20.5
30	27.0	25.0	26.0	25.0	23.5	24.5	24.5	23.0	24.0	19.5	18.0	19.0
31	---	---	---	25.0	22.5	24.0	24.5	23.0	23.5	---	---	---
Month	27.5	18.0	23.2	29.0	21.5	25.4	28.5	21.0	24.5	25.5	18.0	22.3
Year	29.0	0.0	12.5									

0422026250 NORTHRUP CREEK AT NORTH GREECE, NY—Continued

Date	Begin Time	End time	Dis-charge, cfs (00060)	Chlor-ide, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)
Oct 30- Nov 03	0300	0900	12	44.3	34.6	22	.90	.048	1.46	.077	.164
Nov 24-26	1000	1000	49	82.9	55.5	64	1.1	.030	1.13	.059	.248
Nov 28- Dec 01	0500	0900	38	94.1	56.1	42	.93	.039	1.22	.049	.202
Dec 01-07	1410	0909	25	83.3	45.8	36	.98	.122	1.60	.044	.172
Mar 23-30	1300	1200	36	117	--	5	.76	.041	1.45	<.003	.030
Mar 31- Apr 06	1125	1025	154	96.4	--	79	.93	.039	1.23	.015	.210
Apr 06-13	1035	0935	17	130	--	15	.59	.024	2.04	.017	.059
Apr 22-27	1310	1209	44	87.2	--	55	1.0	.013	1.42	.016	.151
Aug 31- Sep 07	0306	0206	16	69.7	--	56	1.0	.015	1.07	.079	.261
Sep 16-19	1118	0818	21	70.2	--	76	1.0	.018	1.18	.116	.291

04221000 GENESEE RIVER AT WELLSVILLE, NY

Upper Genesee Watershed

LOCATION.--Lat 42°07'20", long 77°57'27" referenced to North American Datum of 1927, Allegany County, Hydrologic Unit 04130002, on left bank 35 ft upstream from concrete weir at Wellsville, 0.5 mi upstream from bridge on State Highway 17, 0.6 mi upstream from Crowner Brook and sewage treatment plant, 0.6 mi downstream from Dyke Creek, and 140.9 mi upstream from mouth.

DRAINAGE AREA.--288 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1955 to September 1958, October 1972 to current year. Records for June 1916 to September 1972, published as Genesee River at Scio (station 04221500) at site 5.2 mi downstream, are not equivalent because of difference in drainage areas.

REVISED RECORDS.--WDR NY-82-3: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 1,470.00 ft above NGVD of 1929. October 1957 to September 1958, nonrecording gage at site 0.4 mi upstream at datum 3.00 ft higher. August 1955 to September 1957, at same site at datum 8.00 ft higher.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,700 ft³/s, Jan. 19, 1996, gage height, 16.13 ft; minimum instantaneous discharge not determined.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge since June 1916, 38,500 ft³/s, June 23, 1972, gage height, 20.7 ft, present datum, from floodmark, on basis of contracted-opening measurement of peak flow 0.5 mi downstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,600 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)
Dec 23	1700	4,810	8.73
Jan 14	0730	*7,170	*10.13
Apr 02	2230	5,780	9.33

Minimum discharge, 16 ft³/s, on several days, gage height, 4.20 ft.

04221000 GENESEE RIVER AT WELLSVILLE, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	197	127	1,770	544	e220	272	2,060	383	77	81	24	346
2	179	126	1,190	426	e210	e250	3,430	338	72	85	23	119
3	169	417	897	548	e220	e220	4,370	320	72	61	22	72
4	153	286	733	1,270	218	e220	2,670	305	89	54	22	58
5	141	565	656	750	207	e210	2,080	274	78	79	21	48
6	131	428	552	778	206	e210	1,600	258	144	114	20	41
7	123	333	667	845	229	e270	1,340	244	208	89	22	37
8	117	295	816	736	381	e1,000	1,130	229	98	161	19	35
9	111	270	586	680	769	e520	896	207	86	160	19	33
10	106	249	1,390	620	e1,100	e410	741	193	73	97	19	31
11	100	240	2,300	573	e600	e390	629	180	68	68	18	30
12	94	224	1,410	1,320	e530	e370	551	167	67	59	20	28
13	91	200	1,130	3,750	e450	e310	497	152	82	65	34	26
14	90	180	890	5,820	439	e280	443	154	64	71	48	25
15	102	172	718	2,370	677	e270	396	170	70	52	31	25
16	172	169	613	1,370	826	e250	358	145	98	50	27	26
17	118	165	557	e1,050	629	e230	331	134	86	58	25	32
18	104	167	476	e720	e480	e240	306	124	80	56	24	31
19	403	158	e460	e680	e420	e280	285	115	71	47	23	26
20	242	179	e310	e640	e400	422	283	108	62	41	26	27
21	171	184	e320	e500	419	578	324	106	56	38	25	27
22	168	159	e385	e420	396	501	273	105	53	37	21	25
23	149	149	2,360	e440	361	628	423	99	51	36	19	26
24	142	164	1,630	e380	e310	501	634	109	49	34	19	25
25	143	341	e880	e420	e300	559	485	112	46	31	18	26
26	131	273	e680	e350	e300	601	401	94	44	29	18	82
27	121	231	e530	e290	e250	708	358	87	53	32	18	121
28	115	1,080	e480	e260	e270	1,620	347	98	58	32	21	58
29	114	734	535	e280	---	1,930	329	105	268	29	25	97
30	157	592	461	311	---	1,720	376	91	140	27	67	109
31	156	---	522	e250	---	1,930	---	85	---	27	656	---
Total	4,510	8,857	26,904	29,391	11,817	17,900	28,346	5,291	2,563	1,900	1,394	1,692
Mean	145	295	868	948	422	577	945	171	85.4	61.3	45.0	56.4
Max	403	1,080	2,360	5,820	1,100	1,930	4,370	383	268	161	656	346
Min	90	126	310	250	206	210	273	85	44	27	18	25
Cfsm	0.51	1.03	3.01	3.29	1.47	2.00	3.28	0.59	0.30	0.21	0.16	0.20
In.	0.58	1.14	3.48	3.80	1.53	2.31	3.66	0.68	0.33	0.25	0.18	0.22

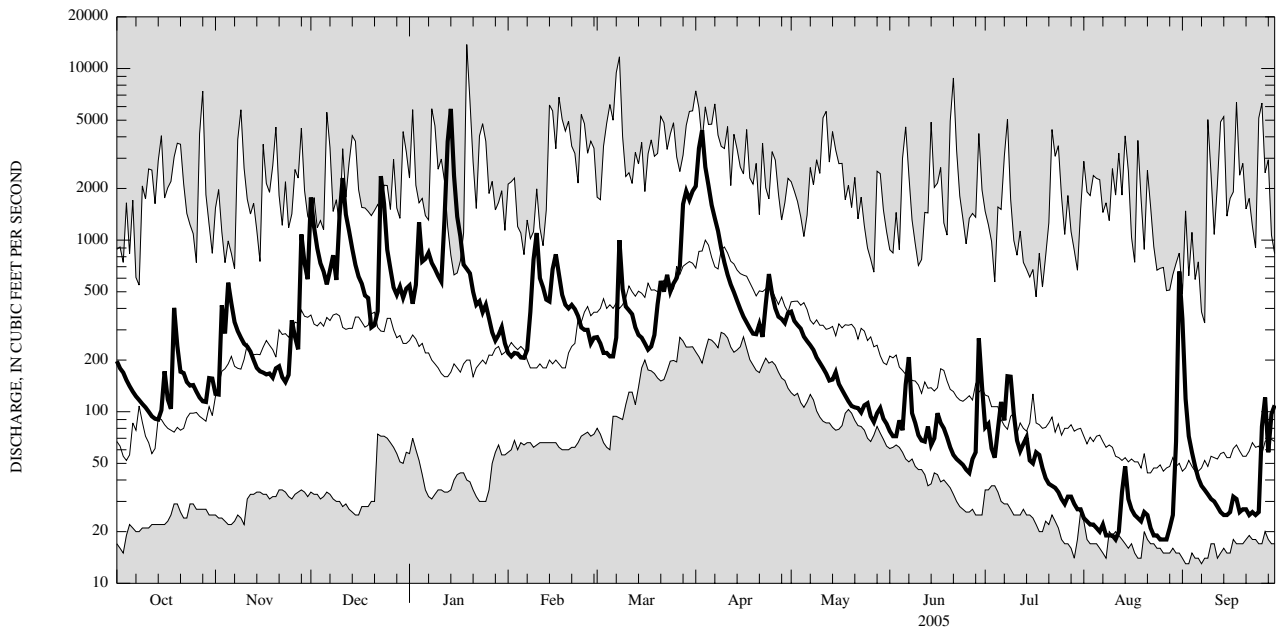
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	219	348	458	394	451	765	856	457	291	170	146	188
Max	784	1,001	1,016	1,263	1,443	1,689	1,925	1,208	1,269	691	1,079	1,246
(WY)	(1991)	(1997)	(1973)	(1996)	(1976)	(1956)	(1958)	(1996)	(1989)	(2003)	(2003)	(1977)
Min	25.0	32.6	50.5	52.1	94.4	320	361	113	45.3	27.5	23.0	18.8
(WY)	(1958)	(1999)	(1999)	(1981)	(1958)	(1981)	(1976)	(1985)	(1991)	(1993)	(1999)	(1995)

04221000 GENESEE RIVER AT WELLSVILLE, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1956 - 2005	
Annual total	206,060		140,565			
Annual mean	563		385		395	
Highest annual mean					623	2004
Lowest annual mean					210	1999
Highest daily mean	6,380	Sep 18	5,820	Jan 14	13,800	Jan 19, 1996
Lowest daily mean	58	Jul 12	18	Aug 11	13	Sep 2, 1991
Annual seven-day minimum	65	Jul 7	19	Aug 22	15	Sep 3, 1995
Annual runoff (cfsm)	1.95		1.34		1.37	
Annual runoff (inches)	26.62		18.16		18.61	
10 percent exceeds	1,180		820		889	
50 percent exceeds	337		200		210	
90 percent exceeds	120		27		40	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD. SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04223000 GENESEE RIVER AT PORTAGEVILLE, NY

Upper Genesee Watershed

LOCATION.--Lat 42°34'13", long 78°02'33" referenced to North American Datum of 1927, Wyoming County, Hydrologic Unit 04130002, on left bank at Portageville, 500 ft downstream from bridge on State Highway 436, 800 ft upstream from abandoned railroad bridge piers, 0.9 mi upstream from Upper Falls, and 89.8 mi upstream from mouth.

DRAINAGE AREA.--984 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1908 to current year. Prior to December 1945, published as "at St. Helena". Records published for both sites December 1945 to September 1950.

REVISED RECORDS.--WSP 264: 1908. WSP 564: 1916(M). WSP 2112; WDR NY-82-3: Drainage area. WDR NY 1972: 1950(M), 1951(M), 1956(M), 1959(M), 1964(M), 1967(M).

GAGE.--Water-stage recorder. Datum of gage is 1,080.00 ft above NGVD of 1929 (levels by Corps of Engineers). Prior to Aug. 24, 1911, nonrecording gage and Aug. 24, 1911 to Sept. 30, 1946, water-stage recorder at site 8 mi downstream at different datum. Oct. 1, 1946 to June 21, 1972, water-stage recorder at site 1,200 ft downstream at datum 2.60 ft higher (destroyed by flood of June 1972). June 21, 1972 to July 11, 1972, nonrecording gage at same site and datum. July 12, 1972 to May 18, 1973, nonrecording gage at site 500 ft upstream at datum 11.48 ft higher.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Since July 1928, some seasonal regulation by Rushford Lake. Diurnal fluctuation at low flow caused by powerplant. Monthly figures of discharge and runoff 1952 to 1966 water years adjusted for change in contents in Rushford Lake. Telephone gage-height telemeter and satellite gage-height and precipitation telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 90,000 ft³/s, June 23, 1972, gage height, 35.25 ft, site and datum then in use, from high-water mark, from rating curve extended above 25,000 ft³/s on basis of contracted-opening measurement of 71,000 ft³/s, 0.4 mi upstream and contracted-opening measurement of 98,200 ft³/s, 0.7 mi downstream from gage; minimum discharge, 18 ft³/s, Oct. 5, 17, 1913, gage height, 1.70 ft, site and datum then in use.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 15,000 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 14	1230	*20,400	*17.36
Apr 03	0630	19,600	17.10

Minimum discharge, 66 ft³/s, Aug 27, gage height, 8.04 ft.

04223000 GENESEE RIVER AT PORTAGEVILLE, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	601	562	3,690	3,480	e600	e780	7,920	2,690	331	651	122	3,230
2	556	476	4,260	2,310	e590	e770	9,160	1,630	307	352	112	1,020
3	527	1,130	2,570	2,450	e580	e760	15,100	1,570	287	283	105	536
4	496	1,190	2,060	4,860	e570	e740	7,180	1,400	302	244	99	367
5	434	1,910	1,930	3,530	e560	e730	6,740	1,230	378	224	94	287
6	398	1,710	1,760	2,900	e550	e720	5,970	1,080	318	332	89	239
7	372	1,100	1,640	3,580	e660	950	4,850	956	318	356	87	205
8	355	873	2,870	2,740	e1,100	4,500	4,180	860	401	787	84	184
9	338	786	1,970	2,380	e2,000	e2,600	3,360	743	313	958	87	167
10	316	717	2,320	2,030	4,430	e1,600	2,530	695	278	557	80	154
11	312	676	4,740	1,930	2,610	e1,300	2,140	649	345	350	76	140
12	304	640	3,910	2,450	2,020	e1,200	1,840	655	633	279	77	129
13	707	593	3,170	10,600	1,580	e1,100	1,620	731	554	240	107	121
14	1,170	544	2,720	17,300	1,470	e1,000	1,440	580	485	210	117	112
15	321	507	2,200	6,730	2,560	e920	1,270	711	398	226	148	109
16	310	498	1,910	4,180	4,260	e912	1,140	658	424	196	141	125
17	413	494	1,420	e3,000	2,910	e880	1,030	563	564	210	114	171
18	443	507	1,170	e2,300	e1,800	e900	954	545	472	217	99	147
19	545	498	1,190	e1,900	e1,400	e1,000	882	603	401	211	92	134
20	982	501	868	e1,500	e1,200	1,300	853	443	346	179	90	152
21	650	581	1,030	e1,200	e1,000	2,570	1,090	418	302	159	92	195
22	521	575	1,060	e980	e960	1,950	981	406	298	158	87	175
23	941	515	6,000	e860	e920	2,890	2,980	396	270	162	81	113
24	1,730	510	7,050	e820	e880	1,980	3,840	407	214	142	76	108
25	1,780	676	3,030	e760	e860	2,230	3,070	418	196	131	73	128
26	1,760	837	2,360	e700	e840	2,600	2,110	397	181	129	70	207
27	1,670	685	1,780	e680	e820	3,230	1,670	363	175	219	68	721
28	1,600	2,180	1,240	e660	e800	5,040	1,320	345	186	245	80	504
29	1,550	2,970	1,680	e620	---	6,470	1,180	368	1,680	184	76	400
30	2,130	1,700	1,880	e620	---	5,770	1,490	371	1,240	152	87	521
31	1,490	---	2,580	e610	---	6,900	---	345	---	134	3,080	---
Total	25,722	27,141	78,058	90,660	40,530	66,292	99,890	23,226	12,597	8,877	5,890	10,801
Mean	830	905	2,518	2,925	1,448	2,138	3,330	749	420	286	190	360
Max	2,130	2,970	7,050	17,300	4,430	6,900	15,100	2,690	1,680	958	3,080	3,230
Min	304	476	868	610	550	720	853	345	175	129	68	108
Cfsm	0.84	0.92	2.56	2.97	1.47	2.17	3.38	0.76	0.43	0.29	0.19	0.37
In.	0.97	1.03	2.95	3.43	1.53	2.51	3.78	0.88	0.48	0.34	0.22	0.41

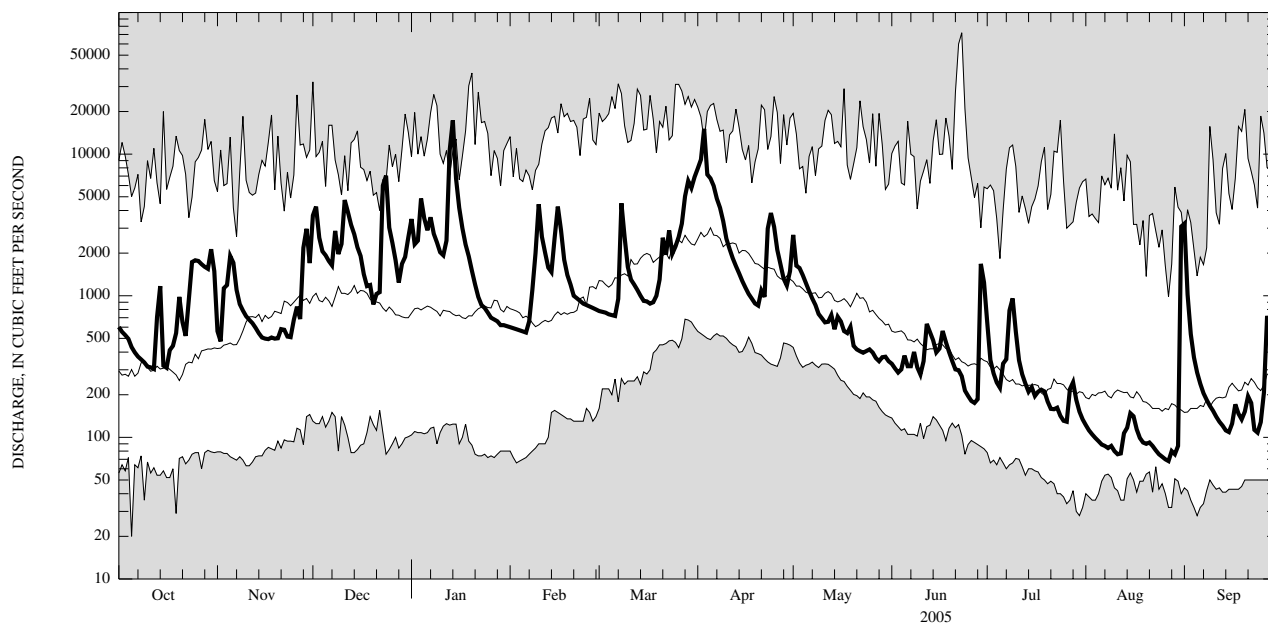
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1908 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	646	1,084	1,361	1,424	1,460	2,885	2,782	1,522	903	462	352	436
Max	3,320	4,201	4,314	4,795	5,838	7,360	7,780	4,826	7,006	1,938	2,794	4,949
(WY)	(1918)	(1928)	(1928)	(1913)	(1976)	(1936)	(1940)	(1919)	(1972)	(2003)	(2003)	(1977)
Min	74.1	110	160	100	229	945	450	294	118	64.8	64.5	50.1
(WY)	(1965)	(1965)	(1909)	(1961)	(1920)	(1937)	(1946)	(1934)	(1934)	(1934)	(1934)	(1913)

04223000 GENESEE RIVER AT PORTAGEVILLE, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1908 - 2005	
Annual total	670,764		489,684			
Annual mean	1,833		1,342		1,275	
Highest annual mean					2,038	1916
Lowest annual mean					766	1962
Highest daily mean	15,700	Sep 9	17,300	Jan 14	72,000	Jun 23, 1972
Lowest daily mean	231	Jul 12	68	Aug 27	20	Oct 5, 1913
Annual seven-day minimum	285	Jul 8	75	Aug 23	34	Jul 25, 1934
Annual runoff (cfsm)	1.86		1.36		1.30	
Annual runoff (inches)	25.36		18.51		17.61	
10 percent exceeds	4,210		3,050		2,920	
50 percent exceeds	1,120		695		620	
90 percent exceeds	409		129		135	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04224000 MOUNT MORRIS LAKE NEAR MOUNT MORRIS, NY

Upper Genesee Watershed

LOCATION.--Lat 42°44'00", long 77°54'40" referenced to North American Datum of 1927, Livingston County, Hydrologic Unit 04130002, at Mount Morris Dam on Genesee River, 2.0 mi northwest of Mount Morris, 5.0 mi upstream from Canaseraga Creek, and 69.3 mi upstream from mouth.

DRAINAGE AREA.--1080 mi².

WATER-STAGE RECORDS

PERIOD OF RECORD.--January 1952 to current year. Prior to October 1970, published as "Mount Morris Reservoir near Mount Morris."

REVISED RECORDS.--WSP 1437: 1955. WSP 2112; WDR NY-82-3: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by U.S. Army Corps of Engineers). Prior to Apr. 8, 1952, reference point at same site and datum.

COOPERATION.--Capacity table provided by U.S. Army Corps of Engineers.

REMARKS.--Lake is formed by a concrete gravity-type dam with overflow spillway, completed by U.S. Army Corps of Engineers in 1951 for flood control; first used for flood regulation on Nov. 24, 1951. Usable capacity, 336,800 acre-ft between elevation 585.0 ft, sill of conduits, and 760.0 ft, crest of spillway. Dead storage, 609 acre-ft. Discharge is controlled by the operation of nine gates. Water is stored during high flows and released when downstream conditions warrant.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 755.46 ft, June 25, 1972, contents, 322,600 acre-ft; minimum elevation, 584.06 ft, Aug. 30, 1991, contents, 446.4 acre-ft.

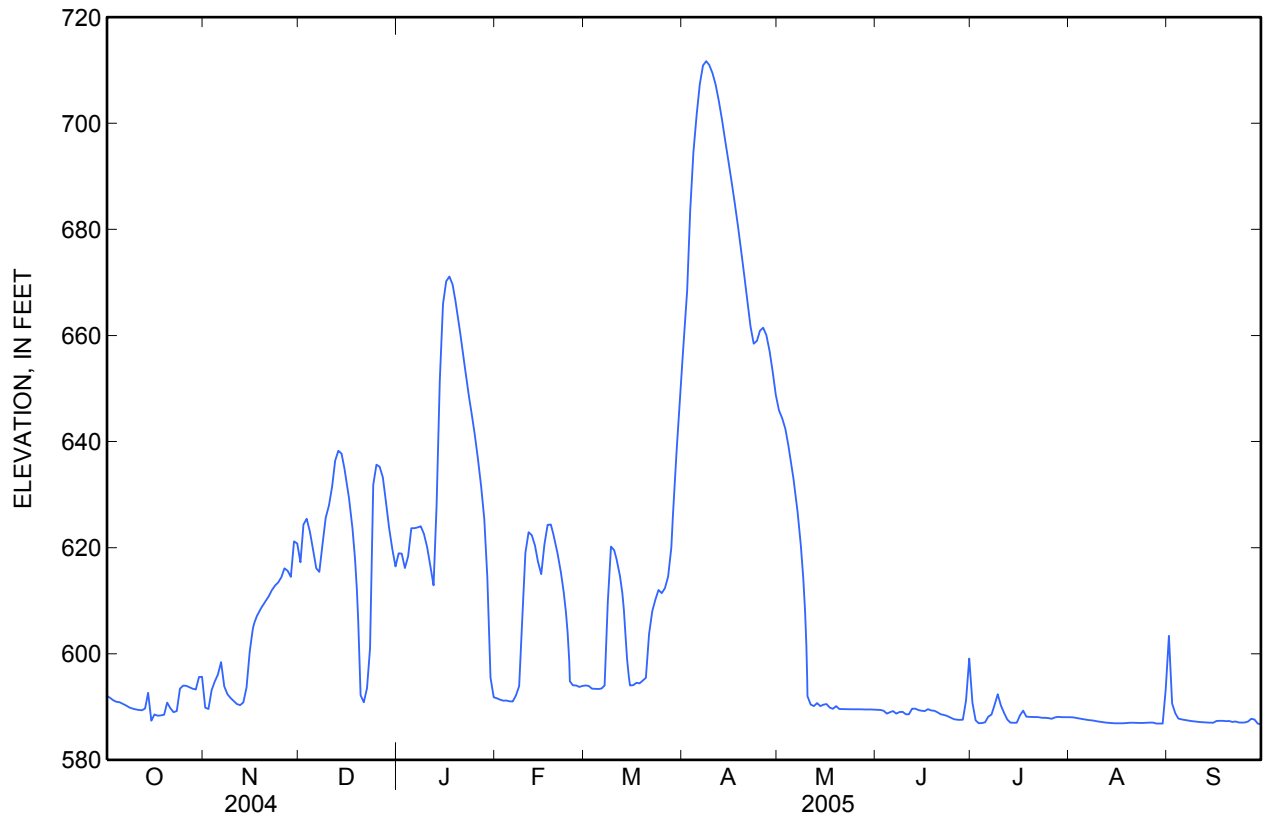
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 711.80 ft, Apr 8; minimum elevation, 586.66 ft, Sep 30.

04224000 MOUNT MORRIS LAKE NEAR MOUNT MORRIS, NY—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	592.08	589.85	617.25	618.95	591.61	594.02	660.32	645.86	589.44	590.78	588.04	603.39
2	591.67	589.59	624.38	618.89	591.36	593.95	668.47	644.39	589.41	587.47	588.01	590.63
3	591.23	593.15	625.46	616.17	591.16	593.44	683.53	642.38	589.27	586.92	587.88	588.78
4	590.97	594.81	623.03	618.36	591.21	593.39	694.52	639.04	588.73	586.93	587.78	587.78
5	590.87	596.07	619.62	623.68	591.05	593.38	701.50	635.23	589.00	587.09	587.67	587.63
6	590.55	598.44	616.11	623.67	591.03	593.45	707.38	630.98	589.21	588.15	587.59	587.52
7	590.26	593.85	615.45	623.83	592.17	594.03	710.91	625.94	588.71	588.55	587.49	587.40
8	589.91	592.36	620.63	624.05	593.92	609.76	711.72	619.66	589.01	590.33	587.43	587.34
9	589.68	591.66	625.66	622.58	606.30	620.22	710.99	610.15	589.05	592.36	587.32	587.29
10	589.53	591.12	627.94	620.10	619.04	619.52	709.49	592.02	588.59	590.25	587.20	587.19
11	589.42	590.52	631.53	616.54	622.91	617.01	707.27	590.43	588.61	588.85	587.11	587.13
12	589.37	590.33	636.42	612.90	622.35	613.74	704.20	590.15	589.67	587.60	587.05	587.06
13	589.69	590.84	638.28	628.05	620.39	609.21	700.63	590.71	589.66	587.03	586.99	587.04
14	592.64	593.65	637.73	651.55	617.28	599.40	696.89	590.15	589.38	587.01	586.92	587.04
15	587.41	600.39	634.71	665.92	615.02	594.04	693.05	590.42	589.28	587.01	586.92	587.01
16	588.57	604.62	630.76	670.20	620.64	594.10	689.11	590.52	589.21	588.39	586.91	587.35
17	588.32	606.67	626.12	671.12	624.30	594.56	685.04	589.86	589.58	589.30	586.87	587.38
18	588.38	607.97	619.66	669.62	624.36	594.41	680.75	589.64	589.33	588.15	586.94	587.38
19	588.51	609.01	610.24	666.40	622.27	594.95	676.29	590.15	589.26	588.12	586.97	587.31
20	590.80	609.89	592.20	662.26	619.31	595.48	671.55	589.59	588.96	588.10	587.00	587.33
21	589.76	610.81	590.87	657.92	615.91	603.75	666.59	589.55	588.60	588.10	587.01	587.16
22	588.98	611.98	593.51	653.26	612.00	608.04	661.71	589.56	588.49	588.02	586.98	587.24
23	589.20	612.84	601.03	649.49	606.25	610.16	658.44	589.56	588.34	587.93	586.98	587.08
24	593.43	613.44	631.85	645.49	594.81	612.05	659.00	589.56	587.99	587.93	586.98	587.02
25	593.99	614.44	635.64	641.44	594.06	611.43	660.90	589.55	587.69	587.89	587.00	587.08
26	593.98	616.12	635.25	636.83	594.02	612.38	661.47	589.55	587.59	587.77	587.02	587.26
27	593.69	615.66	633.26	631.68	593.76	614.56	660.09	589.54	587.62	588.01	587.04	587.77
28	593.44	614.50	628.75	625.42	593.94	620.01	657.09	589.52	587.57	588.13	586.87	587.60
29	593.29	621.21	623.78	614.44	---	631.33	653.07	589.50	591.24	588.07	586.85	586.85
30	595.63	620.78	619.78	595.52	---	641.16	648.80	589.50	599.11	588.05	586.87	586.71
31	595.66	---	616.46	591.80	---	649.74	---	589.48	---	588.05	593.30	---
Mean	591.00	602.89	622.04	634.46	606.16	607.31	681.69	602.33	589.25	588.27	587.39	587.96
Max	595.66	621.21	638.28	671.12	624.36	649.74	711.72	645.86	599.11	592.36	593.30	603.39
Min	587.41	589.59	590.87	591.80	591.03	593.38	648.80	589.48	587.57	586.92	586.85	586.71

04224000 MOUNT MORRIS LAKE NEAR MOUNT MORRIS, NY—Continued





Water-Data Report NY-2005

04224775 CANASERAGA CREEK ABOVE DANSVILLE, NY

Upper Genesee Watershed

LOCATION.--Lat 42°32'08", long 77°42'16" referenced to North American Datum of 1927, Livingston County, Hydrologic Unit 04130002, on right bank on Poags Hole Road, 0.7 mi upstream from Stony Brook, and 1.7 mi south of Dansville.

DRAINAGE AREA.--88.9 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1974 to current year.

REVISED RECORDS.--WDR NY-82-3: Drainage area. WDR NY-91-3: 1984, 1986(P).

GAGE.--Water-stage recorder. Datum of gage is 715.60 ft above NGVD of 1929.

REMARKS.--Records fair. Satellite gage-height and precipitation telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,340 ft³/s, Jan. 19, 1996, gage height, 8.50 ft, from rating curve extended above 2,700 ft³/s; minimum discharge, 6.2 ft³/s, Aug. 27, 2005.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 23	1645	1,890	3.85
Jan 14	0500	2,590	4.35
Apr 03	0145	*4,080	*5.19

Minimum discharge, 6.2 ft³/s, Aug 27, gage height, 0.39 ft.

04224775 CANASERAGA CREEK ABOVE DANVILLE, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	41	55	277	165	e80	91	606	207	36	27	13	123
2	39	56	181	126	e85	89	1,690	156	34	23	12	52
3	37	181	136	139	e85	84	1,810	150	32	21	12	36
4	35	104	115	266	e90	83	700	136	33	20	12	29
5	33	134	122	174	e90	76	601	122	31	26	12	24
6	32	101	105	173	e95	73	529	113	e35	105	10	21
7	35	85	118	202	e110	104	398	105	e45	39	9.8	19
8	32	75	140	159	e240	330	329	97	e40	122	10	18
9	29	67	104	144	326	160	265	91	e30	109	10	17
10	29	62	192	140	224	128	223	85	e35	57	9.3	15
11	27	60	287	134	161	113	189	80	e110	42	9.2	14
12	27	56	202	211	145	104	165	74	e90	35	11	14
13	27	51	164	811	123	95	150	69	e65	30	11	13
14	27	46	136	1,190	120	90	137	69	e65	27	12	12
15	30	47	114	356	233	87	125	98	e60	24	12	12
16	30	46	105	232	247	85	117	74	e125	24	11	13
17	29	45	100	202	179	84	111	67	e110	54	10	16
18	30	46	86	152	150	86	105	62	e95	32	9.4	15
19	59	44	90	151	134	90	100	59	e70	25	9.2	14
20	50	45	62	151	131	107	101	56	e50	20	9.4	15
21	49	47	77	133	124	139	137	54	43	18	9.6	14
22	42	44	88	118	117	142	109	63	39	17	8.6	13
23	38	43	572	e120	110	167	376	56	35	15	8.1	12
24	35	49	300	e120	101	137	586	56	31	15	7.4	12
25	35	74	155	e115	100	152	308	56	28	14	7.6	14
26	34	60	135	e110	95	168	227	48	26	14	7.3	36
27	32	55	114	e110	85	204	184	45	24	17	7.1	58
28	30	201	101	e105	90	432	158	43	23	17	10	29
29	30	135	117	e100	---	459	139	44	36	16	8.3	37
30	155	98	107	e95	---	401	204	41	30	14	18	40
31	75	---	162	e90	---	648	---	39	---	13	306	---
Total	1,233	2,212	4,764	6,494	3,870	5,208	10,879	2,515	1,506	1,032	612.3	757
Mean	39.8	73.7	154	209	138	168	363	81.1	50.2	33.3	19.8	25.2
Max	155	201	572	1,190	326	648	1,810	207	125	122	306	123
Min	27	43	62	90	80	73	100	39	23	13	7.1	12
Cfsm	0.45	0.83	1.73	2.36	1.55	1.89	4.08	0.91	0.56	0.37	0.22	0.28
In.	0.52	0.93	1.99	2.72	1.62	2.18	4.55	1.05	0.63	0.43	0.26	0.32

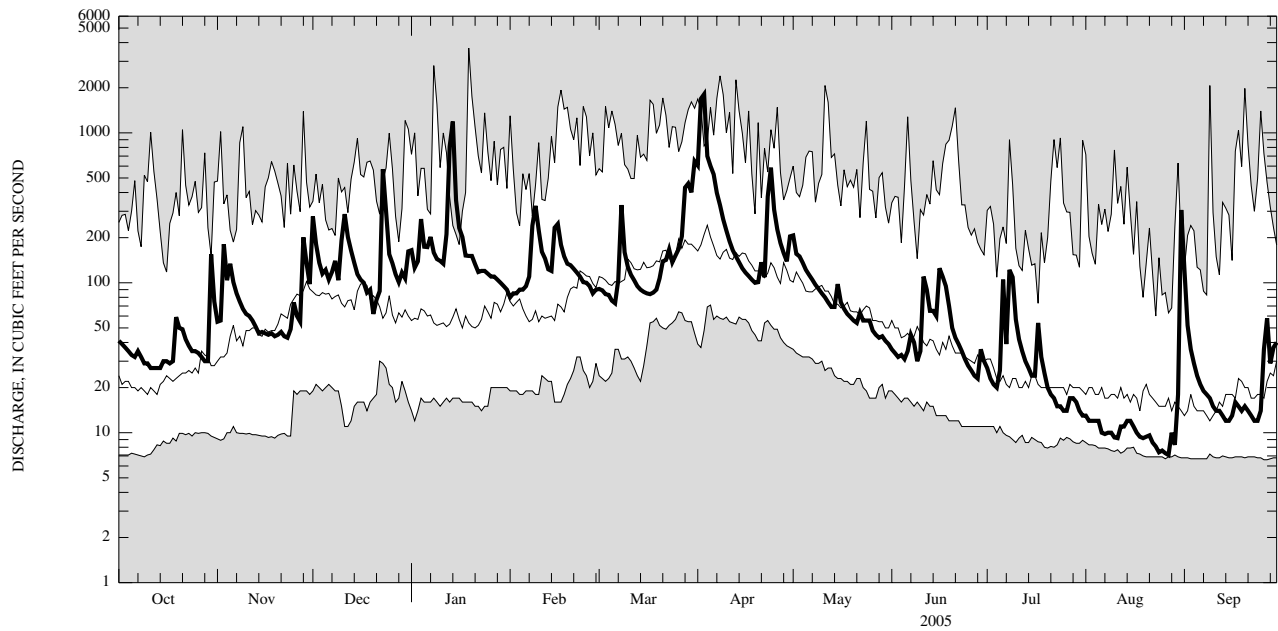
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	50.5	85.3	109	111	132	207	219	120	68.5	40.2	34.3	43.8
Max	175	194	252	411	432	557	519	327	270	134	138	331
(WY)	(1991)	(1993)	(1978)	(1996)	(1976)	(2003)	(1993)	(1996)	(1989)	(2003)	(2003)	(1977)
Min	10.7	17.4	21.6	24.4	31.4	70.6	81.8	26.2	16.8	10.8	7.52	6.83
(WY)	(2002)	(2002)	(1999)	(1984)	(1980)	(1984)	(1981)	(1985)	(1991)	(1985)	(1985)	(1995)

04224775 CANASERAGA CREEK ABOVE DANSVILLE, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1974 - 2005	
Annual total	49,560		41,082.3			
Annual mean	135		113		101	
Highest annual mean					154	1996
Lowest annual mean					64.1	1999
Highest daily mean	2,070	Sep 9	1,810	Apr 3	3,680	Jan 19, 1996
Lowest daily mean	20	Aug 18	7.1	Aug 27	6.6	Sep 26, 1995
Annual seven-day minimum	24	Aug 14	8.0	Aug 21	6.7	Sep 2, 1995
Annual runoff (cfsm)	1.52		1.27		1.14	
Annual runoff (inches)	20.74		17.19		15.48	
10 percent exceeds	284		205		219	
50 percent exceeds	68		74		52	
90 percent exceeds	30		13		13	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04224807 STONY BROOK TRIBUTARY AT SOUTH DANSVILLE, NY

Upper Genesee Watershed

LOCATION.--Lat 42°28'16", long 77°40'21" referenced to North American Datum of 1927, Steuben County, Hydrologic Unit 04130002, at culvert on Willey Road, 0.6 mi upstream from mouth, and 0.9 mi west of South Dansville.

DRAINAGE AREA.--3.15 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Annual maximum only--1977-82,1984-91, 1997 to current year.

GAGE.--Crest-stage partial-record station. Elevation of gage is 1,400 ft above NGVD of 1929, from topographic map.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 790 ft³/s, Aug. 3, 1981, gage height, 15.89 ft.

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 2, 2005	556	---	13.84	---

04227000 CANASERAGA CREEK AT SHAKERS CROSSING, NY

Upper Genesee Watershed

LOCATION.--Lat 42°44'13", long 77°50'27" referenced to North American Datum of 1927, Livingston County, Hydrologic Unit 04130002, on right bank 100 ft upstream from bridge on State Highway 408 at Shakers Crossing, 1.4 mi upstream from mouth, and 1.5 mi northeast of Mount Morris.

DRAINAGE AREA.--335 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1915 to September 1922 (gage height only), November 1958 to September 1970, October 1974 to current year.

REVISED RECORDS.--WDR NY-82-3: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 545.52 ft above NGVD of 1929. Prior to November 1958 at site 250 ft east and 40 ft north at datum 5.52 ft lower, and prior to July 1981 at site 250 ft east on left bank of old filled-in channel at same datum. April 1968 to September 1970, and since October 1974, auxiliary water-stage recorder 0.6 mi downstream from base gage.

REMARKS.--Records good except those for estimated daily discharges, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,510 ft³/s, Jan. 19, 1996, gage height 13.01 ft; maximum gage height 23.62 ft, present datum, May 17, 1916 (backwater from Genesee River); minimum discharge, 4.3 ft³/s, Aug. 19, 1970, gage height, 2.26 ft, result of temporary regulation.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 23, 1972 reached an estimated discharge of 11,200 ft³/s from U.S. Army Corps of Engineers publication (Tropical Storm Agnes, June 1972).

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 14	0730	3,290	10.62
Apr 03	2230	*4,680	*12.12

Minimum discharge, 34 ft³/s, Aug 27.

04227000 CANASERAGA CREEK AT SHAKERS CROSSING, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	155	226	808	666	e305	e245	1,600	734	132	147	65	595
2	149	192	877	436	e305	e230	2,470	453	125	121	61	184
3	147	780	535	447	e325	e225	4,510	405	117	104	59	116
4	139	507	436	1,070	358	e220	4,220	396	119	99	55	94
5	131	624	424	735	325	e235	3,090	342	118	106	54	82
6	126	423	386	597	322	281	2,360	310	113	414	53	74
7	122	321	351	893	e365	673	1,890	285	169	194	50	74
8	116	263	444	616	e550	2,010	1,570	261	124	420	49	63
9	116	232	346	527	e630	1,080	1,210	233	111	548	52	59
10	110	212	515	532	e575	636	888	256	114	239	48	56
11	108	203	1,310	545	e510	515	657	240	323	163	45	52
12	106	191	1,020	909	e410	452	558	226	335	135	46	49
13	104	178	759	2,500	e325	390	480	211	254	119	57	47
14	114	166	661	3,010	e310	328	419	210	252	108	55	46
15	114	157	505	2,070	e650	305	376	311	158	99	55	45
16	140	157	439	1,310	e910	309	319	246	397	321	49	64
17	125	154	422	1,040	e770	312	316	211	402	542	44	84
18	121	153	330	e875	e575	334	e284	200	359	245	42	65
19	180	150	357	e775	e495	354	e300	187	265	135	42	55
20	213	152	172	e675	e440	452	e330	180	199	96	43	59
21	194	162	203	e585	e445	639	e330	172	165	85	45	60
22	175	152	268	e515	e420	620	e340	181	142	82	43	53
23	155	145	1,260	e455	e380	742	991	183	129	81	40	50
24	140	151	1,580	e400	e335	616	2,070	179	115	74	42	49
25	137	255	760	e365	e310	855	1,310	187	104	72	37	71
26	131	212	497	e355	e290	818	828	166	97	65	36	94
27	132	182	360	e340	e275	832	541	154	94	121	35	194
28	127	538	473	e335	e255	1,450	447	147	140	121	45	111
29	121	616	559	e330	---	1,670	394	150	241	86	42	104
30	487	368	450	e325	---	1,370	521	142	290	74	56	127
31	400	---	541	e310	---	1,440	---	140	---	68	758	---
Total	4,835	8,222	18,048	24,543	12,165	20,638	35,619	7,698	5,703	5,284	2,203	2,876
Mean	156	274	582	792	434	666	1,187	248	190	170	71.1	95.9
Max	487	780	1,580	3,010	910	2,010	4,510	734	402	548	758	595
Min	104	145	172	310	255	220	284	140	94	65	35	45
Cfsm	0.47	0.82	1.74	2.36	1.30	1.99	3.54	0.74	0.57	0.51	0.21	0.29
In.	0.54	0.91	2.00	2.73	1.35	2.29	3.96	0.85	0.63	0.59	0.24	0.32

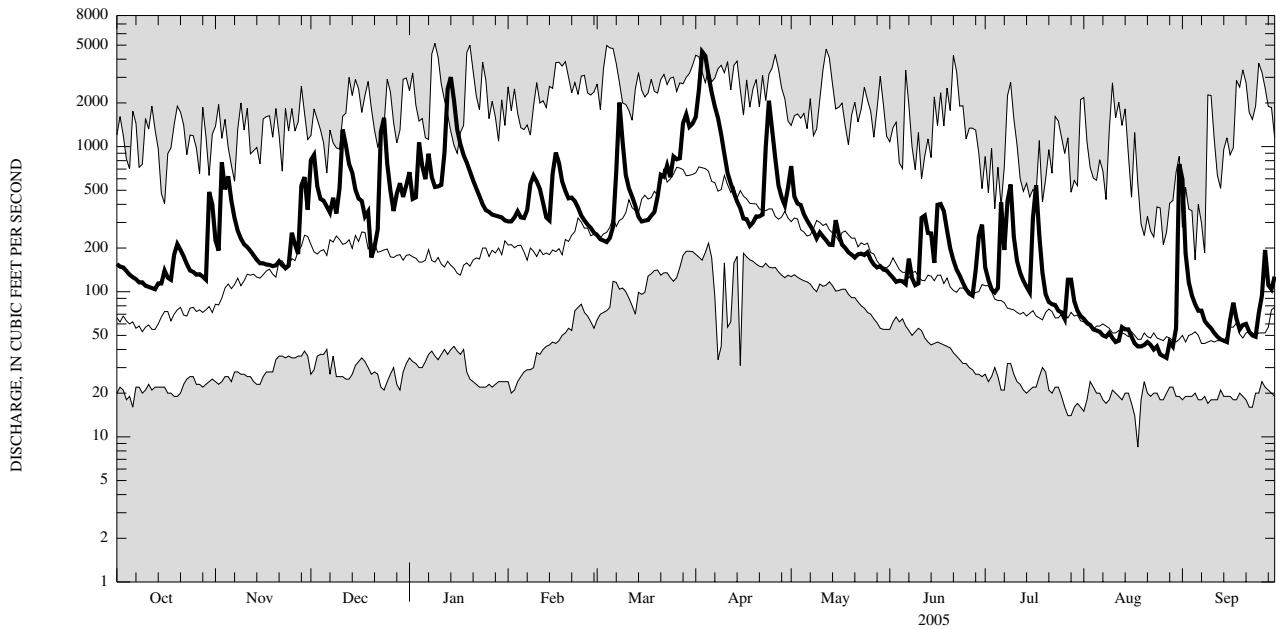
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	145	224	312	325	399	660	681	357	210	116	97.2	117
Max	601	647	906	1,181	1,452	1,575	1,537	1,081	913	454	567	1,162
(WY)	(1978)	(1993)	(1978)	(1998)	(1976)	(1979)	(1993)	(1996)	(1989)	(1992)	(2003)	(1977)
Min	24.4	31.3	29.9	30.9	74.6	209	231	109	48.1	22.9	19.9	22.6
(WY)	(1965)	(1965)	(1961)	(1961)	(1963)	(1965)	(1995)	(1995)	(1965)	(1965)	(1965)	(1965)

04227000 CANASERAGA CREEK AT SHAKERS CROSSING, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1959 - 2005	
Annual total	152,855		147,834			
Annual mean	418		405		304	
Highest annual mean					464	1998
Lowest annual mean					137	1965
Highest daily mean	2,860	Sep 18	4,510	Apr 3	5,150	Jan 9, 1998
Lowest daily mean	79	Aug 19	35	Aug 27	8.5	Aug 18, 1970
Annual seven-day minimum	91	Aug 14	40	Aug 23	15	Jul 26, 1965
Annual runoff (cfsm)	1.25		1.21		0.907	
Annual runoff (inches)	16.97		16.42		12.32	
10 percent exceeds	904		830		706	
50 percent exceeds	236		246		151	
90 percent exceeds	110		57		41	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04227500 GENESEE RIVER NEAR MOUNT MORRIS, NY

Upper Genesee Watershed

LOCATION.--Lat 42°46'00", long 77°50'21" referenced to North American Datum of 1927, Livingston County, Hydrologic Unit 04130002, on right bank 100 ft north of Jones Bridge Road, 0.8 mi downstream from Canaseraga Creek, 2.8 mi northeast of Mount Morris, and 63.0 mi upstream from mouth.

DRAINAGE AREA.--1424 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1903 to April 1906, August 1908 to April 1914, July 1915 to current year. Prior to 1968, published as "at Jones Bridge."

REVISED RECORDS.--WSP 1277: 1952. WSP 1387: 1913. WSP 1437: 1955. WSP 2112; WDR NY-82-3: Drainage area. WDR NY-78-1: 1974-77 (M, m). WDR NY-01-3: 1991, 1992, 1996-2000 (M).

GAGE.--Water-stage recorder. Datum of gage is 540.12 ft above NGVD of 1929. Prior to Sept. 11, 1915, nonrecording gage on bridge at datum 2.85 ft lower.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Diurnal fluctuation at low flow caused by powerplant. Flow regulated to some extent by Rushford Lake since July 1928, and at high flows since November 1951 by Mount Morris Lake (see station 04224000). Monthly figures of discharge and runoff 1952 to 1966 water years adjusted for change in contents in Rushford Lake and Mount Morris Lake. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, prior to construction of Mt. Morris Reservoir in November 1951, 55,100 ft³/s, May 17, 1916, gage height, 25.44 ft; maximum gage height, 25.80 ft, Mar. 13, 1920 (ice jam); minimum discharge, 18 ft³/s, Aug. 29, 1909. Maximum discharge, since construction of Mt. Morris Reservoir in November 1951, 17,800 ft³/s, June 23, 1972, gage height, 24.50 ft, minimum discharge, 12 ft³/s, July 23, 1955, gage height, 0.22 ft, partially obstructed intake.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,770 ft³/s, Jan. 20, gage height, 11.95 ft; minimum discharge, 107 ft³/s, Aug. 27, gage height, 1.89 ft.

04227500 GENESEE RIVER NEAR MOUNT MORRIS, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	770	1,010	3,750	3,780	e1,200	e1,320	1,880	5,100	461	906	202	5,030
2	709	738	4,170	3,540	e1,200	e1,340	3,300	3,390	437	548	188	1,590
3	668	1,570	3,840	3,430	e1,180	e1,200	4,950	3,970	405	396	180	748
4	632	2,050	3,670	4,150	e1,100	e1,180	4,240	4,330	399	352	166	502
5	610	2,470	3,520	4,090	e1,080	e1,160	3,200	4,160	449	316	159	387
6	555	2,550	3,110	3,890	e1,080	e1,140	2,990	3,970	470	639	152	325
7	520	1,840	1,910	4,210	e1,100	e1,560	4,160	3,770	456	568	145	292
8	471	1,420	1,330	3,950	e1,600	e3,900	5,680	3,500	489	896	142	257
9	452	1,200	1,300	3,780	2,820	e3,500	5,890	3,090	445	1,790	141	240
10	430	1,070	1,900	3,680	3,390	e3,000	5,760	1,440	387	969	142	221
11	416	927	3,510	3,570	e3,400	e2,860	5,980	950	585	574	131	208
12	405	870	3,340	3,410	3,300	2,740	6,440	873	795	438	134	196
13	395	791	3,760	4,050	e3,000	2,520	6,610	940	806	372	157	187
14	995	660	4,630	4,070	e2,900	e2,000	6,490	878	769	331	179	177
15	571	500	4,740	3,340	3,650	1,590	6,360	976	592	312	186	171
16	405	419	4,520	3,400	4,060	1,590	6,230	960	747	578	199	211
17	468	432	4,310	4,850	e3,600	1,780	6,210	819	971	1,050	184	253
18	556	442	3,960	5,590	e3,200	1,840	6,260	751	861	480	161	234
19	633	446	3,530	6,230	e3,100	1,870	6,300	792	697	354	150	209
20	1,060	453	1,910	6,740	e3,000	1,800	6,410	686	563	292	144	208
21	962	470	1,290	6,540	2,820	2,430	6,500	613	474	256	151	223
22	730	465	1,410	5,850	2,680	2,750	6,150	605	423	245	146	259
23	635	462	2,650	4,470	2,440	2,860	5,470	597	398	247	135	208
24	1,350	474	4,530	4,310	e1,740	2,810	4,980	593	352	231	135	174
25	1,870	588	3,960	4,530	e1,540	3,080	3,470	615	307	214	126	203
26	1,870	917	3,450	4,720	e1,500	3,130	3,570	582	286	201	123	248
27	1,810	1,360	3,630	e4,400	e1,360	3,200	4,440	533	269	309	112	573
28	1,750	1,720	4,170	e4,300	e1,340	3,820	5,120	497	302	400	123	694
29	1,690	2,610	3,720	e3,800	---	3,880	5,470	495	648	304	130	506
30	2,350	3,210	3,490	e2,100	---	2,130	5,430	506	2,330	252	135	570
31	2,580	---	3,510	e1,300	---	1,510	---	484	---	220	1,860	---
Total	29,318	34,134	102,520	130,070	64,380	71,490	155,940	51,465	17,573	15,040	6,418	15,304
Mean	946	1,138	3,307	4,196	2,299	2,306	5,198	1,660	586	485	207	510
Max	2,580	3,210	4,740	6,740	4,060	3,900	6,610	5,100	2,330	1,790	1,860	5,030
Min	395	419	1,290	1,300	1,080	1,140	1,880	484	269	201	112	171

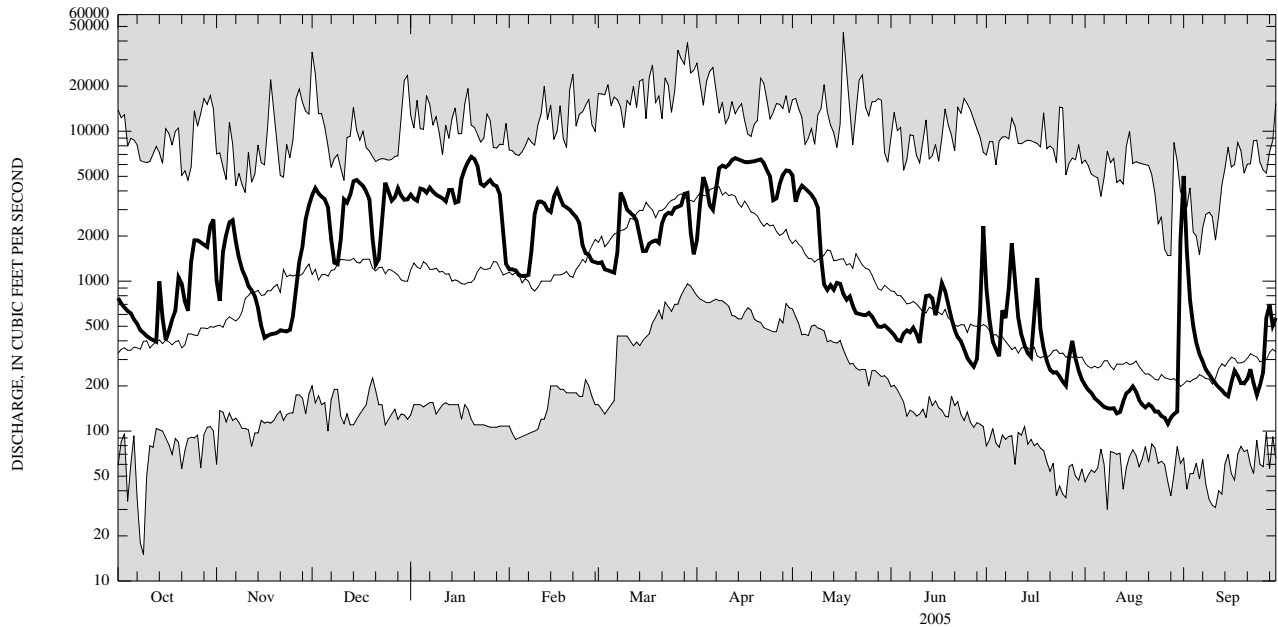
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	940	1,436	2,048	1,852	2,040	3,698	4,154	2,146	1,254	747	525	600
Max	4,743	3,720	5,369	5,659	5,106	7,755	7,270	5,677	4,305	6,801	4,040	4,130
(WY)	(1978)	(1968)	(1973)	(1998)	(1990)	(1976)	(1978)	(1996)	(1989)	(1972)	(2003)	(1977)
Min	107	152	280	135	383	1,365	1,464	477	191	87.6	116	99.2
(WY)	(1961)	(1965)	(1961)	(1961)	(1958)	(1960)	(1995)	(1955)	(1955)	(1955)	(2001)	(1995)

04227500 GENESEE RIVER NEAR MOUNT MORRIS, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1952 - 2005	
Annual total	883,296		693,652			
Annual mean	2,413		1,900		1,784	
Highest annual mean					2,603	2004
Lowest annual mean					1,057	1965
Highest daily mean	6,740	Jun 3	6,740	Jan 20	16,500	Jun 24, 1972
Lowest daily mean	351	Jul 13	112	Aug 27	15	Oct 9, 1980
Annual seven-day minimum	434	Jul 1	126	Aug 23	57	Jul 27, 1955
10 percent exceeds	5,280		4,450		4,790	
50 percent exceeds	1,710		1,100		972	
90 percent exceeds	512		203		188	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04227980 CONESUS LAKE NEAR LAKEVILLE, NY

Lower Genesee Watershed

LOCATION.--Lat 42°47'39", long 77°43'15" referenced to North American Datum of 1927, Livingston County, Hydrologic Unit 04130003, on west shore of Conesus Lake at Geneseo Water Works pumping station, 300 ft east of State Highway 256, and 3.0 mi south of Lakeville.

DRAINAGE AREA.--69.8 mi².

WATER-STAGE RECORDS

PERIOD OF RECORD.--January 1930 to current year. January 1930 to June 1963 in files of village of Geneseo.

REVISED RECORDS.--WSP 2112; WDR NY-82-3: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929. To convert elevations to adjustment of 1988, subtract 0.53 ft. Oct. 1, 1970 to Sept. 30, 1975, at datum 800.00 ft higher. Prior to Oct. 1, 1970, nonrecording gage at site 200 ft downstream at datum 796.59 ft higher.

REMARKS.--Lake elevation regulated by gates at outlet. Area of water surface, 5.08 mi². Daily average of about 2 ft³/s diverted from lake for water supply for Avon, Geneseo, and Lakeville Water District.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 822.50 ft, present datum, June 24, 1972; minimum elevation, 816.11 ft, Dec. 22, 24, 1988.

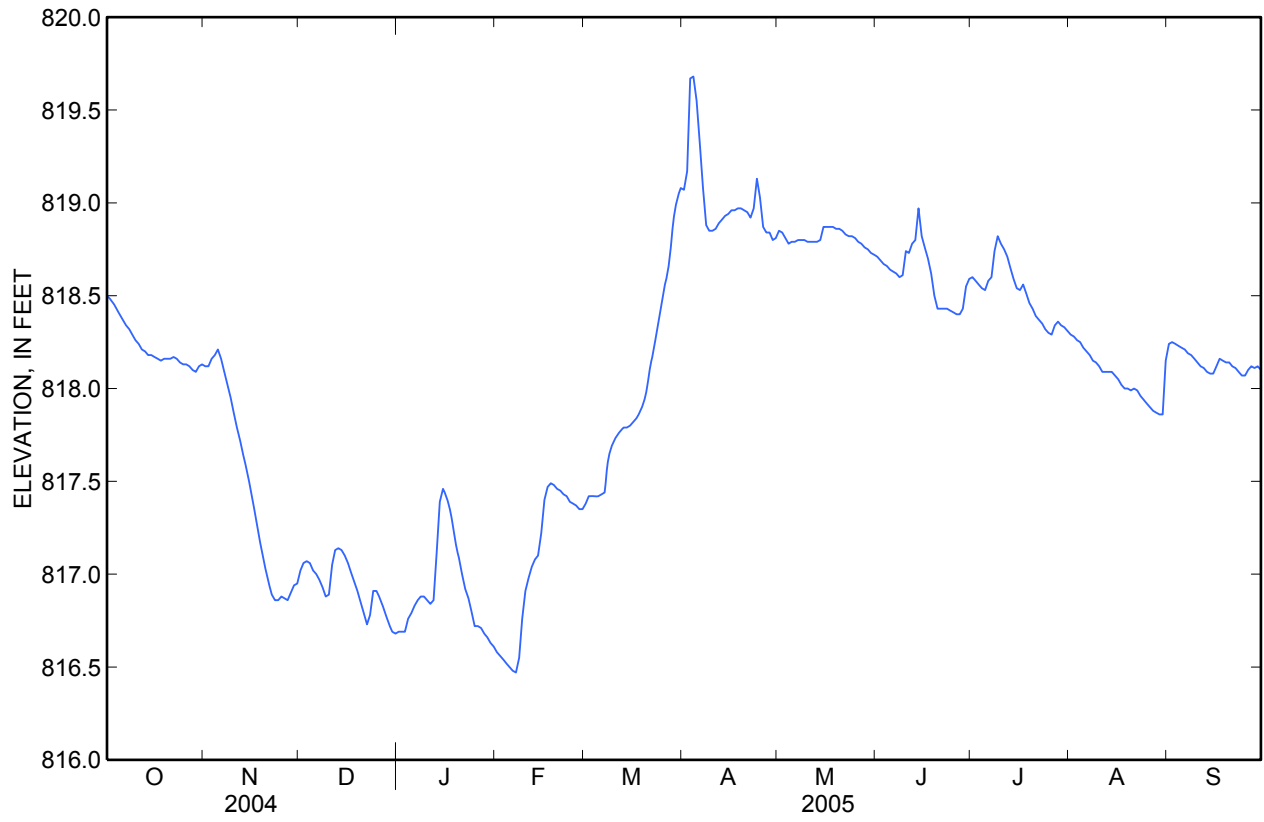
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 819.74 ft, Apr 3; minimum elevation, 816.45 ft, Feb 7.

04227980 CONESUS LAKE NEAR LAKEVILLE, NY—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	818.50	818.12	817.02	816.69	816.58	817.38	819.07	818.85	818.71	818.60	818.29	818.24
2	818.48	818.12	817.06	816.69	816.56	817.42	819.17	818.84	818.69	818.58	818.28	818.25
3	818.46	818.16	817.07	816.69	816.54	817.42	819.67	818.81	818.67	818.56	818.26	818.24
4	818.43	818.18	817.06	816.76	816.52	817.42	819.68	818.78	818.66	818.54	818.25	818.23
5	818.40	818.21	817.02	816.79	816.50	817.42	819.55	818.79	818.64	818.53	818.22	818.22
6	818.37	818.16	817.00	816.83	816.48	817.43	819.32	818.79	818.63	818.58	818.20	818.21
7	818.34	818.09	816.97	816.86	816.47	817.44	819.08	818.80	818.62	818.60	818.18	818.19
8	818.32	818.02	816.93	816.88	816.55	817.60	818.88	818.80	818.60	818.74	818.15	818.18
9	818.29	817.95	816.88	816.88	816.76	817.68	818.85	818.80	818.61	818.82	818.14	818.16
10	818.26	817.87	816.89	816.86	816.91	817.72	818.85	818.79	818.74	818.78	818.12	818.14
11	818.24	817.79	817.05	816.84	816.98	817.75	818.86	818.79	818.73	818.75	818.09	818.12
12	818.21	817.72	817.13	816.86	817.04	817.77	818.89	818.79	818.78	818.71	818.09	818.11
13	818.20	817.64	817.14	817.11	817.08	817.79	818.91	818.79	818.80	818.65	818.09	818.09
14	818.18	817.57	817.13	817.39	817.10	817.79	818.93	818.80	818.97	818.59	818.09	818.08
15	818.18	817.49	817.10	817.46	817.22	817.80	818.94	818.87	818.82	818.54	818.07	818.08
16	818.17	817.39	817.06	817.42	817.40	817.82	818.96	818.87	818.76	818.53	818.05	818.12
17	818.16	817.29	817.01	817.36	817.47	817.84	818.96	818.87	818.70	818.56	818.02	818.16
18	818.15	817.20	816.96	817.27	817.49	817.87	818.97	818.87	818.62	818.51	818.00	818.15
19	818.16	817.11	816.91	817.17	817.48	817.91	818.97	818.86	818.50	818.46	818.00	818.14
20	818.16	817.03	816.85	817.09	817.46	817.97	818.96	818.86	818.43	818.43	817.99	818.14
21	818.16	816.96	816.79	817.00	817.45	818.08	818.95	818.85	818.43	818.39	818.00	818.12
22	818.17	816.89	816.73	816.92	817.43	818.17	818.92	818.83	818.43	818.37	817.99	818.11
23	818.16	816.86	816.78	816.87	817.42	818.26	818.97	818.82	818.43	818.35	817.96	818.09
24	818.14	816.86	816.91	816.80	817.39	818.36	819.13	818.82	818.42	818.32	817.94	818.07
25	818.13	816.88	816.91	816.72	817.38	818.46	819.03	818.81	818.41	818.30	817.92	818.07
26	818.13	816.87	816.87	816.72	817.37	818.56	818.87	818.79	818.40	818.29	817.90	818.10
27	818.12	816.86	816.83	816.71	817.35	818.65	818.84	818.78	818.40	818.34	817.88	818.12
28	818.10	816.90	816.78	816.68	817.35	818.78	818.84	818.76	818.43	818.36	817.87	818.11
29	818.09	816.94	816.73	816.66	---	818.94	818.80	818.75	818.55	818.34	817.86	818.12
30	818.12	816.95	816.69	816.63	---	819.03	818.81	818.73	818.59	818.33	817.86	818.10
31	818.13	---	816.68	816.61	---	819.08	---	818.72	---	818.31	818.15	---
Mean	818.23	817.47	816.93	816.91	817.06	817.99	819.02	818.81	818.61	818.51	818.06	818.14
Max	818.50	818.21	817.14	817.46	817.49	819.08	819.68	818.87	818.97	818.82	818.29	818.25
Min	818.09	816.86	816.68	816.61	816.47	817.38	818.80	818.72	818.40	818.29	817.86	818.07

04227980 CONESUS LAKE NEAR LAKEVILLE, NY—Continued



Water-Data Report NY-2005

04227995 CONESUS CREEK NEAR LAKEVILLE, NY

Lower Genesee Watershed

LOCATION.--Lat 42°51'14", long 77°42'55" referenced to North American Datum of 1983, Livingston County, Hydrologic Unit 04130003, on right bank 100 ft upstream from bridge on West Lake Road (State Highway 256), 1.5 mi downstream from Lakeville, and 10.7 mi upstream from mouth.

DRAINAGE AREA.--72.0 mi², revised.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1996 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 810 ft above NGVD of 1929, from topographic map.

REMARKS.—No estimated daily discharges. Records good. Flow regulated by Conesus Lake (see station 04227980).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,030 ft³/s, May 12, 1996, gage height, 5.55 ft, maximum gage height, 5.58 ft, Apr. 3, 2005; minimum discharge, 2.5 ft³/s, Aug. 29, 31, 2003, gage height, 0.33 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,020 ft³/s, Apr 3, gage height, 5.58 ft; minimum discharge, 3.5 ft³/s, May 12, gage height, 0.37 ft.

04227995 CONESUS CREEK NEAR LAKEVILLE, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	36	22	92	131	78	48	257	127	32	11	12	12
2	36	47	103	115	77	48	319	126	32	10	11	11
3	35	66	103	126	76	48	865	123	32	10	10	10
4	34	69	103	145	72	48	957	87	32	10	11	10
5	33	111	101	138	70	48	919	40	32	10	11	10
6	33	161	123	144	70	48	804	41	33	10	11	10
7	33	156	138	145	63	64	716	40	32	12	11	9.6
8	33	151	134	142	63	69	400	40	25	52	11	9.7
9	33	146	131	141	64	52	139	40	21	115	9.5	9.6
10	26	143	148	142	58	50	108	40	100	84	9.7	9.6
11	21	138	157	141	57	50	49	28	206	66	9.8	9.5
12	21	132	148	164	57	50	20	7.5	271	90	10	9.2
13	21	128	147	186	57	51	24	16	438	113	10	8.9
14	21	131	144	262	62	36	26	26	418	96	10	9.0
15	22	166	142	268	95	22	28	31	374	66	9.9	9.3
16	22	191	141	261	113	23	30	29	371	31	9.8	12
17	22	183	138	254	127	20	32	28	355	71	9.7	9.2
18	22	175	136	242	125	14	32	28	341	92	9.7	8.8
19	23	165	133	230	123	17	43	27	312	60	11	8.9
20	23	160	132	218	122	21	75	25	71	31	9.9	8.9
21	23	153	114	206	122	22	94	32	14	32	11	8.6
22	23	98	130	197	115	20	125	39	14	28	9.6	8.4
23	22	52	106	190	104	17	264	38	14	14	9.5	8.5
24	22	54	142	181	103	20	535	37	15	14	9.3	8.4
25	22	54	141	143	91	19	583	37	15	14	10	8.7
26	22	53	139	85	77	17	371	36	15	10	11	10
27	22	52	137	84	77	16	142	35	16	10	11	8.7
28	22	59	135	82	67	25	125	34	14	12	11	8.2
29	22	54	132	81	---	69	122	33	12	14	11	8.1
30	23	53	129	80	---	108	126	33	11	13	12	6.4
31	23	---	134	79	---	162	---	33	---	13	27	---
Total	796	3,323	4,033	5,003	2,385	1,322	8,330	1,336.5	3,668	1,214	339.4	279.2
Mean	25.7	111	130	161	85.2	42.6	278	43.1	122	39.2	10.9	9.31
Max	36	191	157	268	127	162	957	127	438	115	27	12
Min	21	22	92	79	57	14	20	7.5	11	10	9.3	6.4

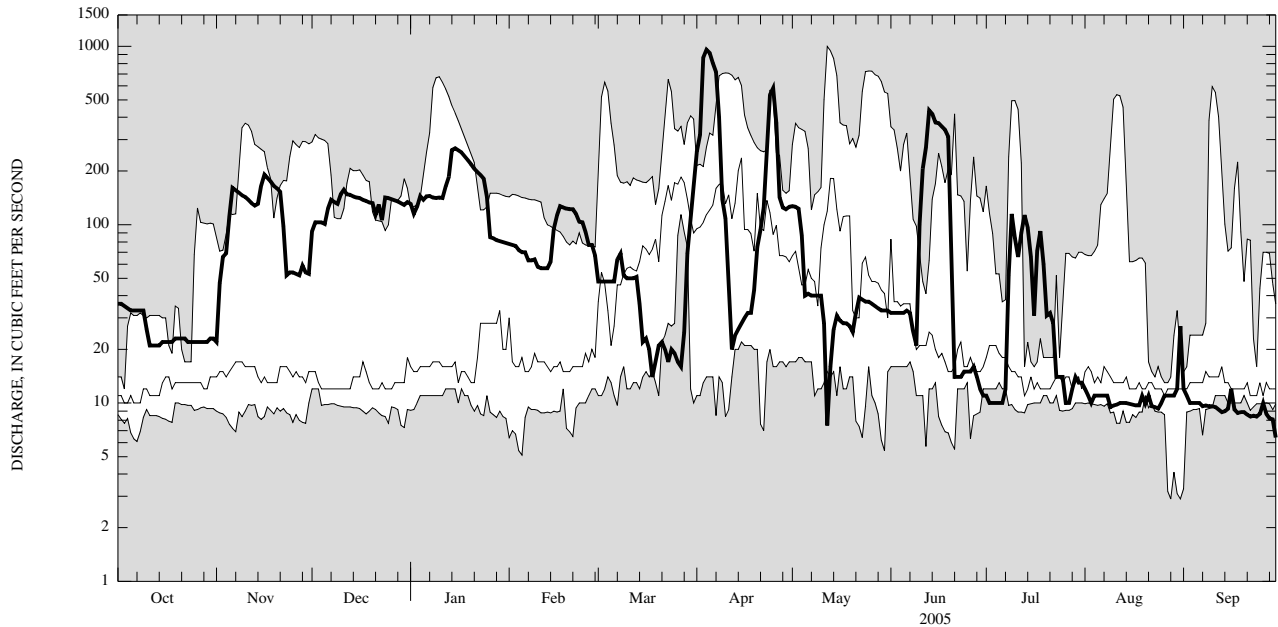
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	17.0	50.7	64.1	73.8	44.0	106	160	117	58.8	27.1	23.9	24.8
Max	32.4	142	146	276	85.2	197	278	282	122	85.6	117	106
(WY)	(1997)	(1997)	(2004)	(1998)	(2005)	(1998)	(2005)	(2004)	(2005)	(1998)	(2003)	(2004)
Min	9.84	9.86	10.1	11.9	12.6	42.6	93.1	24.8	13.1	11.3	9.62	9.31
(WY)	(2003)	(2001)	(1999)	(2002)	(1997)	(2005)	(1997)	(2001)	(1999)	(1999)	(1999)	(2005)

04227995 CONESUS CREEK NEAR LAKEVILLE, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1996 - 2005	
Annual total	35,266.3		32,029.1			
Annual mean	96.4		87.8		62.9	
Highest annual mean					96.8	2004
Lowest annual mean					39.1	1999
Highest daily mean	727	May 25	957	Apr 4	997	May 12, 1996
Lowest daily mean	8.3	Aug 17	6.4	Sep 30	2.9	Aug 28, 2003
Annual seven-day minimum	11	Aug 16	8.4	Sep 24	4.0	Aug 26, 2003
10 percent exceeds	179		170		156	
50 percent exceeds	58		47		18	
90 percent exceeds	16		10		9.9	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04228500 GENESEE RIVER AT AVON, NY

Lower Genesee Watershed

LOCATION.--Lat 42°55'04", long 77°45'27" referenced to North American Datum of 1927, Livingston County, Hydrologic Unit 04130003, on right bank 250 ft downstream from bridge on U.S. Highway 20 (State Highway 5), 0.3 mi west of Avon, 0.8 mi downstream from Conesus Creek, and 35.6 mi upstream from mouth.

DRAINAGE AREA.--1673 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1955 to current year.

REVISED RECORDS.--WSP 2112; WDR NY-82-3: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 500.11 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Diurnal fluctuation at low flow caused by powerplant. Flow regulated to some extent by Rushford Lake, at high flows by Mount Morris Lake (see station 04224000), and by Conesus Lake (see station 04227980). Monthly figures of discharge and runoff August 1955 to September 1965 adjusted for change in contents in Rushford Lake and Mount Morris Lake. Telephone gage-height telemeter and satellite gage-height and precipitation telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,500 ft³/s, June 25, 1972, gage height 40.67 ft; minimum discharge, 47 ft³/s, Oct. 10, 11, 1980, gage height, 13.70 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,300 ft³/s, Apr 3, 4, gage height, 33.34 ft; minimum discharge, 153 ft³/s, Aug 27, 28, 29, gage height, 14.09 ft.

04228500 GENESEE RIVER AT AVON, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,110	1,890	3,780	4,470	e1,440	e1,480	2,320	5,820	610	1,540	260	3,860
2	962	1,090	4,800	4,180	e1,360	e1,480	3,760	4,480	581	863	244	3,480
3	903	1,240	4,470	3,960	e1,340	e1,480	9,550	3,680	548	570	225	1,300
4	856	1,980	4,120	4,660	e1,300	e1,360	e6,400	4,390	525	461	218	739
5	820	2,380	3,830	5,040	e1,240	e1,340	e5,000	4,330	525	412	204	544
6	785	2,700	3,630	4,550	e1,240	e1,340	e4,000	4,120	590	520	197	437
7	734	2,360	2,680	4,720	e1,260	1,540	4,950	3,880	585	747	189	377
8	692	1,810	1,750	4,710	1,570	4,270	6,070	3,600	562	667	183	339
9	646	1,540	1,520	4,370	2,710	4,770	6,550	3,240	593	1,680	181	302
10	616	1,400	1,560	4,190	3,750	3,830	6,320	2,430	661	1,450	180	279
11	581	1,290	3,850	4,150	3,960	3,300	6,200	1,360	860	924	177	258
12	565	1,190	4,500	4,080	3,850	2,920	6,450	1,120	1,220	678	172	246
13	549	1,120	3,930	6,220	3,450	2,690	6,760	1,070	1,620	606	180	234
14	816	1,050	4,710	6,650	3,290	2,370	6,760	1,130	2,200	536	201	223
15	1,270	898	5,070	5,690	4,310	1,880	6,610	1,160	1,530	449	214	216
16	664	841	4,960	4,080	6,030	1,700	6,440	1,230	1,220	417	217	345
17	612	783	4,760	4,700	5,100	1,780	6,310	1,100	1,540	1,090	228	472
18	705	777	4,420	5,720	4,220	1,950	6,350	975	1,440	866	209	348
19	758	773	4,040	6,180	3,640	2,000	6,340	928	1,300	590	213	285
20	974	771	2,920	6,910	3,440	2,110	6,460	951	945	416	192	258
21	1,290	784	1,440	7,030	3,220	2,550	6,620	809	682	349	187	255
22	1,060	763	1,340	6,740	2,980	3,400	6,600	784	581	312	190	266
23	884	677	1,890	5,480	2,720	3,610	6,450	780	533	290	179	287
24	1,140	693	4,790	4,780	2,280	3,280	7,470	769	490	286	169	233
25	1,690	887	4,920	4,670	1,840	3,700	6,060	782	424	268	165	214
26	1,760	912	4,530	4,950	e1,660	3,860	4,400	766	379	255	157	271
27	1,730	1,340	4,410	4,840	e1,580	3,820	4,530	721	352	285	153	393
28	1,690	1,650	4,910	4,780	e1,500	4,200	5,060	678	357	440	153	817
29	1,640	2,280	5,540	4,590	---	5,100	5,550	652	370	437	156	662
30	1,690	2,930	5,170	3,770	---	4,130	5,640	650	1,570	339	165	588
31	2,530	---	4,470	1,960	---	2,430	---	644	---	288	632	---
Total	32,722	40,799	118,710	152,820	76,280	85,670	177,980	59,029	25,393	19,031	6,390	18,528
Mean	1,056	1,360	3,829	4,930	2,724	2,764	5,933	1,904	846	614	206	618
Max	2,530	2,930	5,540	7,030	6,030	5,100	9,550	5,820	2,200	1,680	632	3,860
Min	549	677	1,340	1,960	1,240	1,340	2,320	644	352	255	153	214

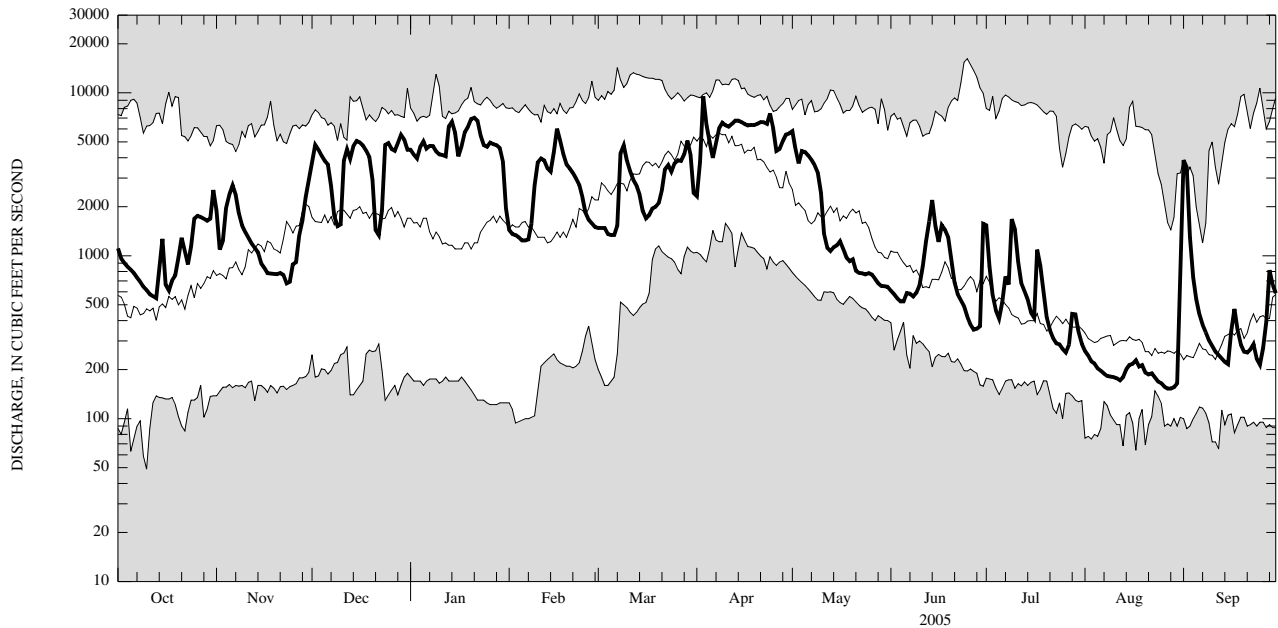
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,029	1,578	2,278	2,076	2,309	4,049	4,619	2,379	1,391	841	586	658
Max	5,146	3,756	5,942	6,715	6,036	8,916	7,846	6,516	4,906	7,032	4,285	4,569
(WY)	(1978)	(1997)	(1973)	(1998)	(1990)	(1956)	(1993)	(1996)	(1989)	(1972)	(2003)	(1977)
Min	145	182	325	155	397	1,813	1,672	613	281	172	142	111
(WY)	(1964)	(1965)	(1961)	(1961)	(1958)	(1960)	(1995)	(1985)	(1999)	(1962)	(1965)	(1955)

04228500 GENESEE RIVER AT AVON, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1955 - 2005	
Annual total	992,195		813,352			
Annual mean	2,711		2,228		1,981	
Highest annual mean					2,875	2004
Lowest annual mean					1,130	1965
Highest daily mean	7,860	May 24	9,550	Apr 3	16,200	Jun 25, 1972
Lowest daily mean	410	Jul 13	153	Aug 27	49	Oct 10, 1980
Annual seven-day minimum	553	Jul 2	160	Aug 24	88	Aug 1, 1955
10 percent exceeds	5,710		5,100		5,370	
50 percent exceeds	1,760		1,360		1,100	
90 percent exceeds	702		255		226	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04229500 HONEOYE CREEK AT HONEOYE FALLS, NY

Lower Genesee Watershed

LOCATION.--Lat 42°57'26", long 77°35'21" referenced to North American Datum of 1927, Monroe County, Hydrologic Unit 04130003, on right bank 25 ft downstream from bridge on State Highway 65 at Honeoye Falls, and 15.3 mi upstream from mouth.

DRAINAGE AREA.--196 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1945 to September 1970, October 1972 to current year.

REVISED RECORDS.--WDR NY-82-3: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 610.00 ft above NGVD of 1929. Prior to October 1972, water-stage recorder at same site at datum 609.76 ft above NGVD of 1929.

COOPERATION.--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, N.Y.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Outlet of Honeoye Lake not controlled. Some diversion from, and regulation of Hemlock and Canadice Lakes for water supply of city of Rochester. Diurnal fluctuation at low flow caused by mills upstream from station. Prior to 1967 water year, published monthly figures adjusted for change in contents in, and diversion from, Hemlock and Canadice Lakes. During low-water periods the village of Honeoye Falls pumps water from two deep wells with maximum pumping capacity of 600 gal/min (1.33 ft³/s). This pumped water enters creek upstream from gage. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,630 ft³/s, Mar. 28, 1950, gage height, 6.42 ft, datum then in use; minimum discharge, no flow, Aug. 12, 15, 2001.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 23, 1972, reached a stage of about 6.3 ft, present datum; discharge, about 6,600 ft³/s, from rating curve extended above 3,300 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 14	2000	1,340	3.51
Feb 16	1515	1,510	3.69
Apr 03	1000	3,120	4.82
Apr 04	0015	*3,580	*5.06

Minimum discharge, 1.1 ft³/s, Aug 11, 12, gage height, -0.12 ft.

04229500 HONEOYE CREEK AT HONEOYE FALLS, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	37	52	231	388	e140	118	711	406	26	31	e7.0	224
2	36	50	409	264	e140	124	925	334	23	25	e6.0	104
3	35	123	257	246	e130	e120	2,500	261	21	21	4.3	37
4	38	158	197	403	e130	e115	2,690	218	19	16	4.4	19
5	32	245	174	462	e120	e120	1,780	190	19	13	3.3	12
6	26	167	156	316	e130	e110	1,210	170	18	11	2.8	8.6
7	22	111	142	476	140	128	940	155	16	15	2.4	6.7
8	20	88	174	440	259	691	808	133	15	20	2.0	5.2
9	17	71	162	339	768	578	686	112	17	24	1.7	4.7
10	15	62	231	320	765	324	564	99	29	26	1.5	4.4
11	15	58	815	318	607	227	459	92	141	19	1.2	3.4
12	14	56	619	348	443	194	365	76	119	15	1.4	2.9
13	14	50	401	1,030	343	178	296	59	241	13	1.9	2.4
14	14	44	314	1,200	277	e150	246	61	687	12	2.8	2.0
15	14	44	224	1,090	537	e140	206	151	296	10	2.0	1.7
16	18	44	198	758	905	e140	179	150	198	9.3	1.7	5.6
17	24	43	199	568	591	e130	159	103	278	9.5	1.6	5.9
18	25	43	133	377	430	e140	143	80	193	12	1.4	8.1
19	29	43	e140	e300	e300	e160	127	65	152	17	1.8	6.7
20	44	42	e110	e280	e260	221	117	50	103	15	3.1	5.3
21	43	45	e160	e230	229	334	131	42	75	12	5.3	4.6
22	40	47	e170	e180	215	422	131	40	58	9.5	4.9	3.8
23	37	43	e240	e170	202	433	386	42	46	8.0	4.5	3.0
24	33	46	e600	e160	e170	313	814	45	37	7.1	3.7	2.2
25	32	84	344	e170	e160	426	786	55	30	6.4	3.0	2.3
26	33	99	205	e180	e140	381	539	49	24	e6.0	2.4	5.5
27	30	76	151	e170	e120	402	416	39	19	e8.0	2.0	15
28	26	141	132	e160	e120	496	309	33	19	e12	1.9	18
29	24	314	157	e180	---	686	244	31	26	e10	1.7	14
30	26	171	144	e170	---	701	240	28	37	e9.0	2.2	16
31	44	---	214	e150	---	677	---	28	---	e8.0	96	---
Total	857	2,660	7,803	11,843	8,771	9,379	19,107	3,397	2,982	429.8	181.9	554.0
Mean	27.6	88.7	252	382	313	303	637	110	99.4	13.9	5.87	18.5
Max	44	314	815	1,200	905	701	2,690	406	687	31	96	224
Min	14	42	110	150	120	110	117	28	15	6.0	1.2	1.7

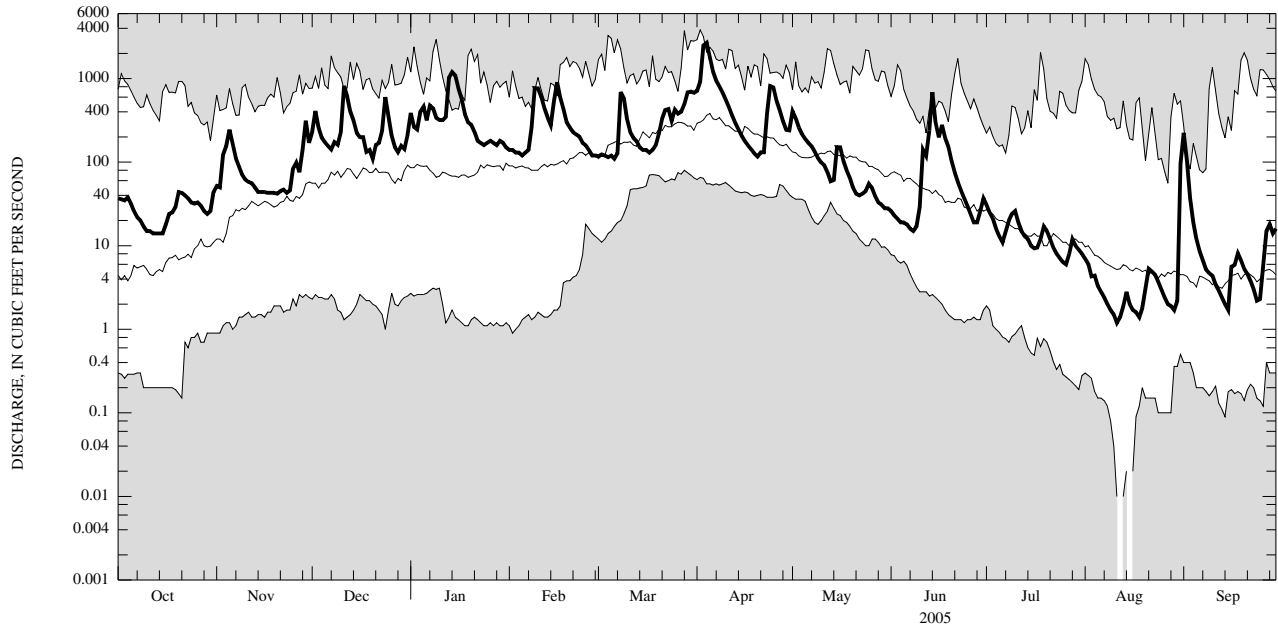
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	39.2	75.6	130	136	165	300	337	180	79.7	31.2	23.7	23.9
Max	443	345	493	486	664	685	1,146	608	344	377	336	538
(WY)	(1978)	(1978)	(1946)	(1998)	(1976)	(1976)	(1993)	(1996)	(1989)	(1992)	(1992)	(1977)
Min	0.45	2.06	2.04	2.15	10.3	107	50.0	23.7	3.19	0.94	0.24	0.62
(WY)	(1964)	(1961)	(1961)	(1961)	(1958)	(1965)	(1946)	(1995)	(1995)	(2001)	(2001)	(2002)

04229500 HONEOYE CREEK AT HONEOYE FALLS, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1946 - 2005	
Annual total	80,404.7		67,964.7			
Annual mean	220		186		126	
Highest annual mean					238	1993
Lowest annual mean					46.4	1965
Highest daily mean	2,200	May 24	2,690	Apr 4	3,820	Apr 2, 1993
Lowest daily mean	7.0	Jul 6	1.2	Aug 11	0.00	Aug 12, 2001
Annual seven-day minimum	9.2	Jul 2	1.7	Aug 7	0.01	Aug 10, 2001
10 percent exceeds	560		460		331	
50 percent exceeds	120		103		53	
90 percent exceeds	20		4.6		2.4	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04229500 HONEOYE CREEK AT HONEOYE FALLS, NY—Continued**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Water years 1954, 1998 to current year.

CHEMICAL DATA: Water years 1954 (a), 1998 to 2003 (e), 2004 (d), 2005 (c).

NUTRIENT DATA: Water years 1954 (a), 1998 to 2003 (e), 2004 (d), 2005 (c).

INSTRUMENTATION.--Automatic water sampler since March 1998.

COOPERATION.—Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, N.Y.

REMARKS.--Water-quality records for this site were collected and reported in local standard time.

Date	Begin Time	End time	Dis-charge, cfs (00060)	Chlor-ide, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)
Nov											
03-10	0900	0800	138	40.2	21.9	46	.73	<.010	.252	.019	.157
Nov											
24-30	0300	1200	134	61.7	71.2	34	.61	.048	.296	.010	.123
Dec											
01-08	0840	0740	225	31.3	18.1	31	.47	.028	.275	.008	.096
Mar											
18-24	1325	0725	305	46.4	--	65	.68	.019	.389	.009	.159
Mar											
24-31	0820	0720	503	40.4	--	70	.53	<.010	.305	.006	.135
Mar 31-											
Apr 06	0825	0225	1,600	32.3	--	260	.91	.018	.277	.010	.490
Apr											
06-13	1040	0940	658	29.3	--	59	.42	.018	.134	.006	.111

04230380 OATKA CREEK AT WARSAW, NY

Lower Genesee Watershed

LOCATION.--Lat 42°44'39", long 78°08'16" referenced to North American Datum of 1927, Wyoming County, Hydrologic Unit 04130003, on right bank 400 ft downstream from bridge on Court Street, Warsaw.

DRAINAGE AREA.--39.1 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1963 to current year.

REVISED RECORDS.--WSP 2112; WDR NY-82-3: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 987.15 ft above NGVD of 1929 (levels by Corps of Engineers).

REMARKS.--Records fair. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,110 ft³/s, July 8, 1998, gage height 9.90 ft; minimum discharge, 0.90 ft³/s, Aug. 1, 1965.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 900 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)
Dec 23	1645	1,130	4.55
Feb 08	1915	1,100	4.49
Apr 02	2315	*1,390	*5.44

Minimum discharge, 2.7 ft³/s, Aug 27, gage height, 0.36 ft.

04230380 OATKA CREEK AT WARSAW, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	14	39	264	143	e34	49	263	75	15	9.2	e4.9	48
2	14	36	111	86	e34	e44	656	54	14	8.1	e4.5	21
3	15	60	81	101	e32	e42	581	50	13	8.0	e4.1	13
4	13	98	62	180	e34	e44	356	46	14	7.8	e4.5	10
5	12	146	76	99	e32	e46	361	43	14	8.7	e4.1	8.5
6	12	65	57	92	e34	e48	315	40	15	12	e4.0	7.4
7	11	47	66	96	e44	100	214	37	13	9.7	e3.8	6.9
8	11	38	83	81	e100	212	157	34	11	12	e3.7	6.3
9	10	33	58	72	e120	e100	119	32	12	11	e3.2	6.3
10	11	31	78	73	e122	e80	99	30	51	8.8	e3.4	5.7
11	11	29	108	69	e114	e70	84	28	13	7.9	3.5	5.5
12	11	27	83	211	e90	e64	75	26	38	e7.2	5.2	5.5
13	11	25	73	553	e64	e56	69	25	72	e6.7	6.8	5.2
14	11	23	58	447	e80	e54	60	30	94	e5.8	8.6	5.0
15	12	23	49	125	e160	e56	52	46	34	e4.9	6.5	7.3
16	15	24	52	98	156	e50	49	32	68	e10	5.1	64
17	60	24	42	76	101	52	46	28	60	16	4.4	30
18	35	23	45	e66	e78	52	44	25	52	9.4	4.0	13
19	50	23	e36	e66	e70	53	42	23	33	8.2	4.2	9.4
20	38	28	e40	e64	e66	66	55	21	26	e6.7	4.1	15
21	29	34	e44	e54	65	77	66	20	20	e5.3	5.1	10
22	25	28	48	e48	61	93	74	22	18	e4.9	3.9	7.8
23	22	26	432	e50	58	96	296	21	15	e4.5	3.8	8.1
24	23	40	151	e52	e56	87	309	28	13	e4.1	3.7	7.4
25	24	67	e76	e48	e50	98	139	30	11	e4.1	3.3	15
26	22	41	e54	e42	e48	105	97	22	10	e4.5	3.3	35
27	20	34	e44	e38	e50	137	77	19	9.8	27	3.0	40
28	19	187	e48	e38	e46	256	66	19	9.6	12	3.9	17
29	18	85	e50	e40	---	303	54	19	10	8.1	3.6	35
30	81	55	48	e38	---	248	78	17	10	7.2	6.7	23
31	54	---	e270	e36	---	324	---	15	---	e5.8	244	---
Total	714	1,439	2,787	3,282	1,999	3,162	4,953	957	788.4	265.6	376.9	491.3
Mean	23.0	48.0	89.9	106	71.4	102	165	30.9	26.3	8.57	12.2	16.4
Max	81	187	432	553	160	324	656	75	94	27	244	64
Min	10	23	36	36	32	42	42	15	9.6	4.1	3.0	5.0
Cfsm	0.59	1.23	2.30	2.71	1.83	2.61	4.22	0.79	0.67	0.22	0.31	0.42
In.	0.68	1.37	2.65	3.12	1.90	3.01	4.71	0.91	0.75	0.25	0.36	0.47

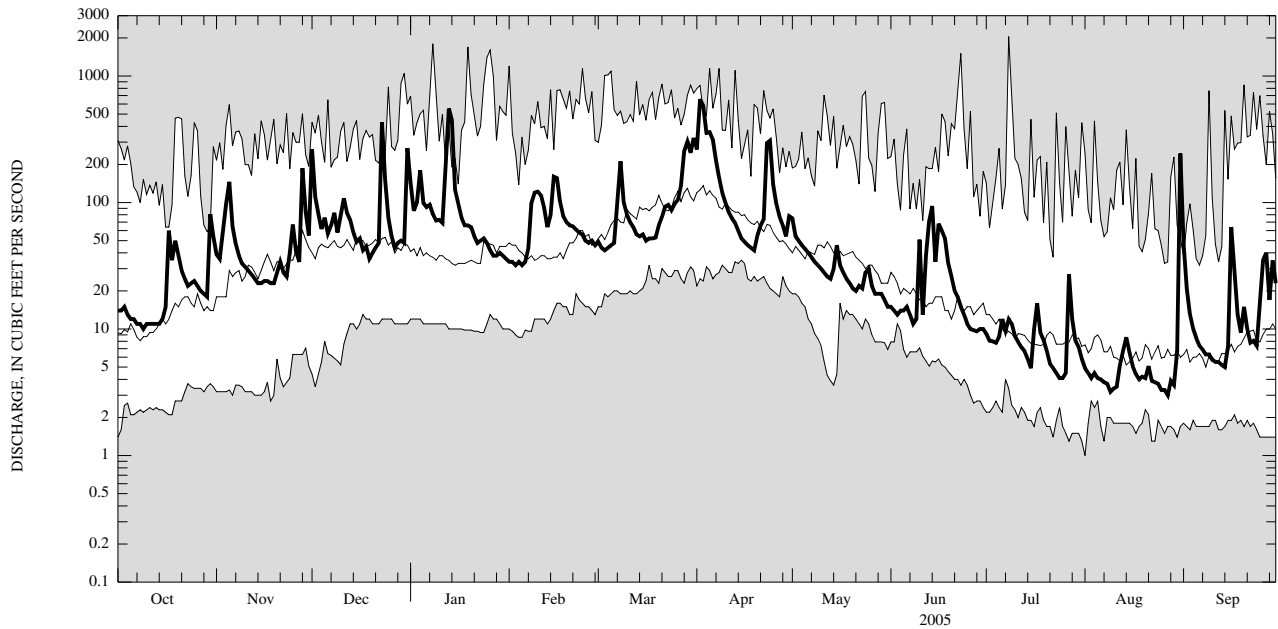
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	24.1	49.5	67.1	68.6	76.4	126	113	54.9	32.1	18.9	13.5	19.4
Max	76.7	131	130	234	235	232	185	135	165	145	86.8	166
(WY)	(1978)	(1986)	(1978)	(1979)	(1976)	(2003)	(1996)	(2004)	(1989)	(1998)	(1992)	(1977)
Min	2.76	5.09	17.2	15.1	22.5	49.2	33.2	16.9	6.36	2.52	2.36	1.81
(WY)	(1965)	(1965)	(1965)	(1981)	(1980)	(1981)	(1995)	(1995)	(1965)	(1965)	(1965)	(1964)

04230380 OATKA CREEK AT WARSAW, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1964 - 2005	
Annual total	25,394.5		21,215.2			
Annual mean	69.4		58.1		55.4	
Highest annual mean					83.3	1998
Lowest annual mean					29.6	1965
Highest daily mean	854	Mar 5	656	Apr 2	2,050	Jul 8, 1998
Lowest daily mean	6.3	Sep 7	3.0	Aug 27	1.0	Aug 1, 1965
Annual seven-day minimum	8.4	Aug 22	3.5	Aug 23	1.4	Jul 26, 1965
Annual runoff (cfsm)	1.77		1.49		1.42	
Annual runoff (inches)	24.16		20.18		19.25	
10 percent exceeds	142		112		122	
50 percent exceeds	36		36		29	
90 percent exceeds	12		5.5		5.3	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD. SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04230500 OATKA CREEK AT GARBUTT, NY

Lower Genesee Watershed

LOCATION.--Lat 43°00'36", long 77°47'30" referenced to North American Datum of 1927, Monroe County, Hydrologic Unit 04130003, on right bank 40 ft downstream from bridge on Union Street in Garbutt, 1.5 mi west of Scottsville, and 4.2 mi upstream from mouth.

DRAINAGE AREA.--200 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1945 to current year.

REVISED RECORDS.--WSP 2112; WDR NY-82-3: Drainage area. WDR NY 1971: 1960(M). WDR NY 1993: 1991. WDR NY 1997: 1996 (P).

GAGE.--Water-stage recorder. Datum of gage is 560.86 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,050 ft³/s, Mar. 31, 1960, gage height, 8.64 ft; minimum discharge, 3.3 ft³/s, Sept. 11, 12, 1958; minimum gage height, 1.88 ft, June 19, 1959, result of regulation.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 14	2221	1,760	5.63
Apr 04	0421	*3,690	*7.04

Minimum discharge, 31 ft³/s, on several days, gage height, 2.34 ft.

04230500 OATKA CREEK AT GARBUTT, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	106	170	430	599	e190	270	970	330	93	62	43	158
2	102	137	612	701	e180	265	1,200	323	87	60	43	167
3	103	132	588	634	180	e230	2,970	278	83	59	43	74
4	99	169	498	614	180	e230	3,260	260	78	59	41	48
5	97	286	337	627	178	e225	1,760	235	77	58	40	40
6	95	370	315	566	177	239	1,200	217	75	57	40	36
7	90	300	288	488	183	267	980	203	72	56	39	35
8	88	201	305	492	234	596	840	191	69	61	39	35
9	88	166	336	416	464	643	694	179	68	58	39	35
10	84	148	306	387	502	673	560	172	300	57	37	34
11	82	140	407	398	480	554	473	162	167	56	36	35
12	81	132	510	403	495	417	417	154	131	55	37	34
13	80	124	453	975	388	363	373	148	329	56	37	34
14	80	117	379	1,450	338	315	342	156	394	56	39	34
15	81	112	315	1,540	493	292	315	196	341	56	37	35
16	83	110	263	921	918	289	294	210	203	57	35	59
17	91	108	258	580	803	286	276	176	186	56	34	142
18	126	106	210	378	750	296	259	156	204	55	34	135
19	152	103	223	350	537	311	243	147	182	53	33	71
20	139	104	147	347	439	364	237	140	141	52	33	55
21	157	107	156	314	416	460	241	134	116	50	37	48
22	146	116	168	272	388	530	262	133	101	49	33	46
23	125	114	215	255	362	671	381	130	92	49	34	46
24	118	114	501	251	e320	595	822	132	85	48	34	43
25	112	191	449	266	313	597	904	132	78	47	34	43
26	107	250	481	256	306	625	774	135	73	48	33	50
27	105	192	465	236	e265	683	500	124	68	54	32	61
28	99	250	286	215	273	827	371	115	66	49	32	106
29	94	461	252	209	---	956	320	106	64	47	32	e78
30	98	449	250	208	---	1,050	302	102	63	45	32	60
31	118	---	303	e200	---	1,040	---	97	---	45	60	---
Total	3,226	5,479	10,706	15,548	10,752	15,159	22,540	5,373	4,086	1,670	1,152	1,877
Mean	104	183	345	502	384	489	751	173	136	53.9	37.2	62.6
Max	157	461	612	1,540	918	1,050	3,260	330	394	62	60	167
Min	80	103	147	200	177	225	237	97	63	45	32	34
Cfsm	0.52	0.91	1.73	2.51	1.92	2.44	3.76	0.87	0.68	0.27	0.19	0.31
In.	0.60	1.02	1.99	2.89	2.00	2.82	4.19	1.00	0.76	0.31	0.21	0.35

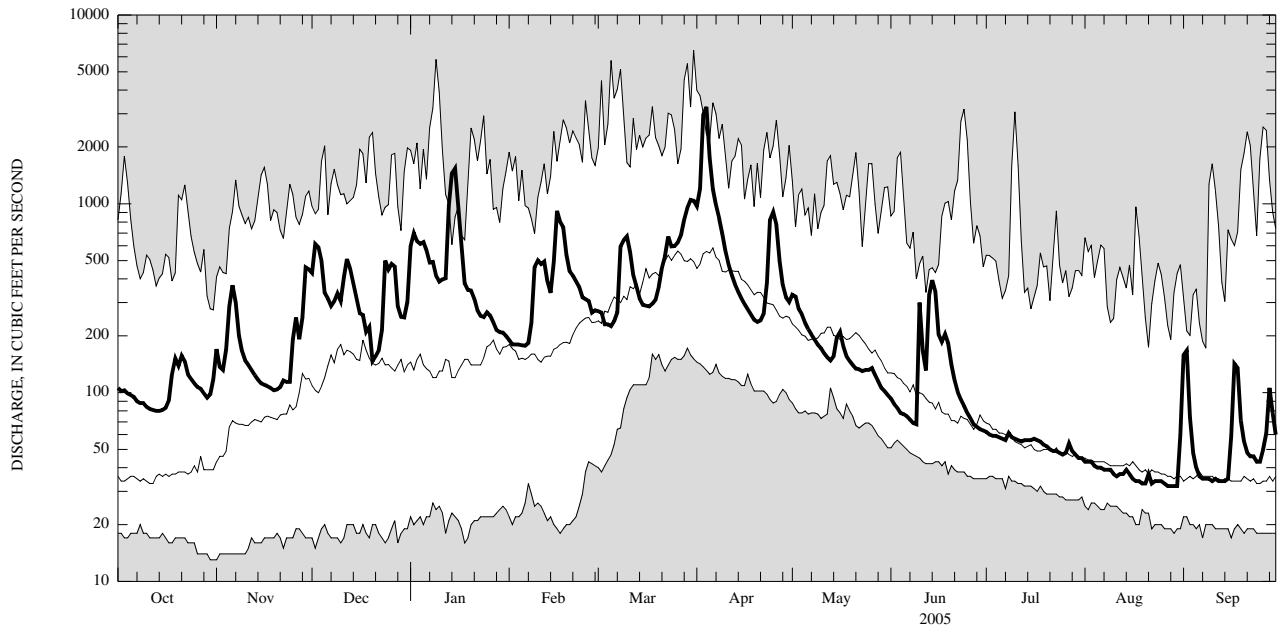
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	75.9	139	221	239	297	547	507	253	139	77.1	58.2	64.2
Max	400	567	798	881	868	1,048	1,069	581	760	355	294	748
(WY)	(1978)	(1986)	(1978)	(1998)	(1976)	(1956)	(1947)	(1984)	(1989)	(1998)	(1992)	(1977)
Min	18.0	17.2	20.1	22.9	33.4	244	117	99.7	45.6	31.8	22.5	19.2
(WY)	(1966)	(1965)	(1961)	(1961)	(1958)	(1965)	(1946)	(1995)	(1949)	(1965)	(1965)	(1965)

04230500 OATKA CREEK AT GARBUTT, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1946 - 2005	
Annual total	107,183		97,568			
Annual mean	293		267		218	
Highest annual mean					371	1978
Lowest annual mean					117	1965
Highest daily mean	1,810	Mar 7	3,260	Apr 4	6,500	Mar 31, 1960
Lowest daily mean	57	Aug 26	32	Aug 27	13	Oct 30, 1966
Annual seven-day minimum	61	Aug 22	33	Aug 24	14	Oct 26, 1966
Annual runoff (cfsm)	1.46		1.34		1.09	
Annual runoff (inches)	19.94		18.15		14.79	
10 percent exceeds	613		595		510	
50 percent exceeds	168		167		110	
90 percent exceeds	87		40		30	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04230500 OATKA CREEK AT GARBUTT, NY—Continued**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Water years 1954, 1962, 1971, 1975 to 1977, 1989-90, 1997 to current year.

CHEMICAL DATA: Water years 1954 (a), 1962 (a), 1971 (a), 1975 (b), 1976-77 (e), 1989 (c), 1990 (d), 1997 to 2003 (e), 2004 (d), 2005 (c).

NUTRIENT DATA: Water years 1954 (a), 1962 (a), 1971 (a), 1975 (b), 1976-77 (e), 1989 (c), 1990 (d), 1997 to 2003 (e), 2004 (d), 2005 (c).

SEDIMENT DATA: Water years 1975 to 1977 (e), 1989 (c), 1990 (d), 1991 (a).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1959 to March 1961.

SUSPENDED SEDIMENT DISCHARGE: 1975 to September 1977.

INSTRUMENTATION.--Automatic water sampler since July 1997.

COOPERATION.--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, N.Y.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily mean, 282 mg/L Aug. 17, 1997, minimum daily mean, 0 mg/L Apr. 14, 1975.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 2,980 tons Mar. 5, 1976, minimum daily, 0 ton Apr. 14, 1975.

Date	Begin Time	End time	Dis-charge, cfs (00060)	Chloride, water, fltrd, mg/L (00940)	Sulfate, water, fltrd, mg/L (00945)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate, water, unfltrd mg/L as N (00630)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)
Nov											
04-10	1345	0745	253	55.5	134	12	.61	<.010	1.57	.022	.079
Dec											
01-08	0915	0815	434	49.7	97.4	19	.67	.016	1.91	.020	.089
Mar											
19-21	1040	1240	371	66.9	--	22	.69	.015	2.42	.003	.064
Apr											
06-13	1135	1035	677	47.4	--	18	.51	<.010	2.47	.015	.052
Apr											
23-28	2000	0959	711	52.2	--	27	.89	.093	2.00	.024	.110
Apr 28-											
May 04	1005	0804	313	--	--	10	.47	<.025	2.20	.011	.055
Sep											
16-21	1128	0828	94	61.1	--	64	.90	.029	1.35	.010	.139

04230650 GENESEE RIVER AT BALLANTYNE BRIDGE, NEAR MORTIMER, NY

Lower Genesee Watershed

LOCATION.--Lat 43°05'32", long 77°40'50" referenced to North American Datum of 1927, Monroe County, Hydrologic Unit 04130003, on right bank 400 ft upstream from Ballantyne Bridge on State Highway 252, 1.6 mi west of Mortimer, and 2.8 mi upstream from Erie (Barge) Canal.

DRAINAGE AREA.--2210 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1973 to current year.

REVISED RECORDS.--WDR NY-82-3: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 500.00 ft above NGVD of 1929.

REMARKS.--River regulated for operation of Erie (Barge) Canal, downstream powerplants, and at high stages by Mount Morris Lake (see station 04224000). Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 20.57 ft, Jan. 10, 1998; minimum gage height recorded, 8.20 ft, Nov. 9, 1979, but may have been lower as a result of extreme regulation.

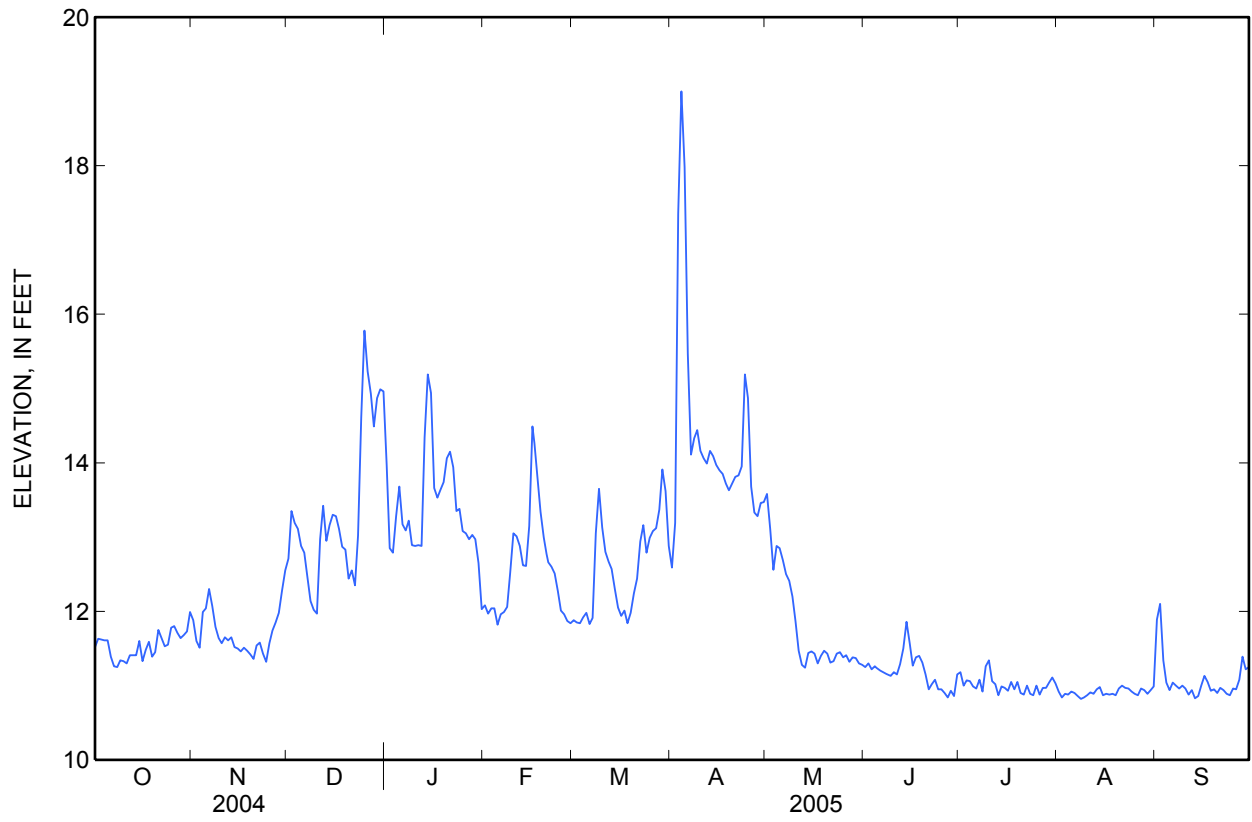
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 19.13 ft, Apr 4; minimum gage height, 10.73 ft, Jun 29, Sep 14.

04230650 GENESEE RIVER AT BALLANTYNE BRIDGE, NEAR MORTIMER, NY—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	11.52	11.88	12.71	13.97	12.08	11.88	12.59	13.58	11.25	11.18	10.92	11.89
2	11.63	11.60	13.35	12.85	11.97	11.85	13.19	13.11	11.30	11.00	10.84	12.10
3	11.62	11.51	13.19	12.79	12.04	11.84	17.35	12.56	11.22	11.07	10.89	11.34
4	11.61	11.99	13.11	13.28	12.04	11.92	19.00	12.88	11.26	11.06	10.88	11.04
5	11.61	12.04	12.88	13.68	11.82	11.98	17.98	12.85	11.22	10.99	10.92	10.94
6	11.39	12.30	12.79	13.17	11.96	11.83	15.47	12.69	11.20	10.96	10.90	11.04
7	11.26	12.07	12.47	13.09	11.99	11.91	14.11	12.50	11.17	11.08	10.86	11.00
8	11.25	11.79	12.14	13.22	12.06	13.05	14.33	12.41	11.15	10.92	10.82	10.96
9	11.34	11.64	12.02	12.89	12.52	13.65	14.44	12.20	11.13	11.26	10.84	11.00
10	11.33	11.57	11.97	12.88	13.05	13.13	14.16	11.87	11.18	11.34	10.87	10.96
11	11.30	11.65	12.97	12.89	13.01	12.80	14.06	11.47	11.15	11.06	10.91	10.88
12	11.41	11.61	13.42	12.88	12.88	12.67	13.99	11.28	11.29	11.02	10.89	10.94
13	11.41	11.65	12.95	14.34	12.62	12.57	14.16	11.24	11.50	10.87	10.95	10.83
14	11.41	11.52	13.16	15.19	12.61	12.30	14.09	11.44	11.86	10.99	10.98	10.86
15	11.60	11.50	13.30	14.94	13.15	12.05	13.97	11.46	11.57	10.97	10.87	11.00
16	11.33	11.46	13.28	13.66	14.49	11.94	13.90	11.43	11.27	10.93	10.89	11.13
17	11.48	11.51	13.11	13.53	14.07	12.01	13.85	11.30	11.38	11.05	10.88	11.05
18	11.59	11.47	12.87	13.64	13.61	11.84	13.72	11.40	11.40	10.95	10.89	10.93
19	11.39	11.42	12.83	13.74	13.18	11.98	13.63	11.47	11.31	11.05	10.87	10.95
20	11.45	11.36	12.44	14.06	12.88	12.24	13.72	11.43	11.15	10.90	10.96	10.90
21	11.75	11.54	12.55	14.15	12.66	12.44	13.81	11.31	10.95	10.88	11.00	10.97
22	11.64	11.58	12.35	13.94	12.60	12.94	13.83	11.33	11.02	11.00	10.97	10.94
23	11.53	11.43	13.02	13.35	12.51	13.16	13.95	11.43	11.08	10.89	10.96	10.89
24	11.55	11.32	14.61	13.38	12.27	12.79	15.19	11.45	10.95	10.87	10.92	10.87
25	11.78	11.57	15.78	13.08	12.01	12.99	14.87	11.38	10.95	11.00	10.89	10.96
26	11.80	11.74	15.23	13.05	11.96	13.08	13.68	11.41	10.90	10.88	10.87	10.95
27	11.71	11.85	14.93	12.97	11.87	13.12	13.33	11.32	10.84	10.97	10.96	11.08
28	11.64	11.98	14.49	13.03	11.84	13.37	13.28	11.38	10.93	10.97	10.94	11.39
29	11.68	12.28	14.87	12.97	---	13.91	13.46	11.37	10.86	11.04	10.89	11.22
30	11.73	12.55	14.99	12.65	---	13.62	13.47	11.30	11.15	11.11	10.94	11.25
31	11.99	---	14.96	12.03	---	12.88	---	11.28	---	11.03	10.99	---
Mean	11.54	11.71	13.38	13.40	12.56	12.57	14.35	11.79	11.19	11.01	10.91	11.08
Max	11.99	12.55	15.78	15.19	14.49	13.91	19.00	13.58	11.86	11.34	11.00	12.10
Min	11.25	11.32	11.97	12.03	11.82	11.83	12.59	11.24	10.84	10.87	10.82	10.83

04230650 GENESEE RIVER AT BALLANTYNE BRIDGE, NEAR MORTIMER, NY—Continued



04231000 BLACK CREEK AT CHURCHVILLE, NY

Lower Genesee Watershed

LOCATION.--Lat 43°06'02", long 77°52'57" referenced to North American Datum of 1927, Monroe County, Hydrologic Unit 04130003, on right bank at east end of Carrol Street in Churchville, 100 ft downstream from mainline tracks of Penn Central Transportation Co., and 0.3 mi downstream from Black Creek Dam.

DRAINAGE AREA.--130 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1945 to current year.

REVISED RECORDS.--WDR NY-82-3: Drainage area. WDR NY-2000-3: 1998 (M), 1999 (M).

GAGE.--Water-stage recorder. Datum of gage is 551.88 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Prior to May 1952, small diversion by Penn Central Transportation Co. and slight regulation by pumping operations upstream from station. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,880 ft³/s, Mar. 31, 1960, gage height, 9.44 ft; minimum discharge, 0.17 ft³/s, Aug. 12, 2001; minimum gage height, 0.93 ft, Aug. 5, 6, 7, Sept. 15, 1959.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 800 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 14	1530	940	4.87
Feb 17	0630	1,060	5.15
Apr 04	0630	*2,450	*7.75

Minimum discharge, 2.6 ft³/s, Aug 12, gage height, 1.25 ft.

04231000 BLACK CREEK AT CHURCHVILLE, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	48	73	247	373	e84	151	408	206	53	18	13	115
2	48	75	320	532	e80	154	608	211	50	17	11	129
3	51	82	388	466	e78	e150	1,680	193	55	14	12	56
4	56	106	258	461	e76	e140	2,310	169	52	11	9.6	28
5	52	143	177	450	e78	e140	1,500	149	44	13	7.5	18
6	49	165	144	367	e86	154	848	136	37	15	5.7	13
7	45	140	142	301	e100	174	535	129	33	14	5.4	11
8	42	103	208	323	e130	298	408	124	32	14	5.0	10
9	40	88	258	262	e180	e400	334	119	36	19	4.9	9.2
10	37	76	225	227	237	e520	281	116	64	20	3.6	8.2
11	35	81	263	241	e260	e410	241	107	102	16	3.0	7.9
12	38	82	306	284	310	e300	209	101	112	13	3.4	7.9
13	38	67	326	472	e220	e220	189	99	83	10	4.1	7.1
14	38	58	273	889	239	e180	173	105	145	11	5.8	6.7
15	41	55	213	742	365	e160	161	143	184	15	7.7	6.0
16	48	56	164	465	730	172	152	147	131	12	8.0	36
17	57	59	152	239	1,020	172	143	127	105	17	7.5	96
18	77	60	121	e130	810	189	137	113	100	21	6.2	138
19	93	58	125	e140	e500	214	133	104	87	16	5.7	83
20	83	59	77	e140	e320	257	131	98	78	14	8.2	39
21	74	69	78	e130	277	324	143	94	66	12	15	24
22	75	75	81	e120	248	441	147	91	53	11	12	18
23	70	69	136	e110	e210	558	241	90	44	9.7	9.5	15
24	63	84	195	e100	e200	517	495	90	39	8.2	8.9	13
25	62	171	232	e110	e180	482	624	99	31	8.2	7.7	14
26	60	211	273	e100	183	503	435	93	24	7.6	6.8	53
27	57	165	240	e100	e160	488	276	79	20	23	6.3	117
28	53	180	172	e94	154	543	210	71	18	36	6.4	111
29	50	249	119	e90	---	589	182	66	19	27	5.7	64
30	57	276	123	e88	---	551	174	63	17	20	6.2	46
31	68	---	177	e86	---	469	---	59	---	15	53	---
Total	1,705	3,235	6,213	8,632	7,515	10,020	13,508	3,591	1,914	477.7	274.8	1,300.0
Mean	55.0	108	200	278	268	323	450	116	63.8	15.4	8.86	43.3
Max	93	276	388	889	1,020	589	2,310	211	184	36	53	138
Min	35	55	77	86	76	140	131	59	17	7.6	3.0	6.0
Cfsm	0.42	0.83	1.54	2.14	2.06	2.49	3.46	0.89	0.49	0.12	0.07	0.33
In.	0.49	0.93	1.78	2.47	2.15	2.87	3.87	1.03	0.55	0.14	0.08	0.37

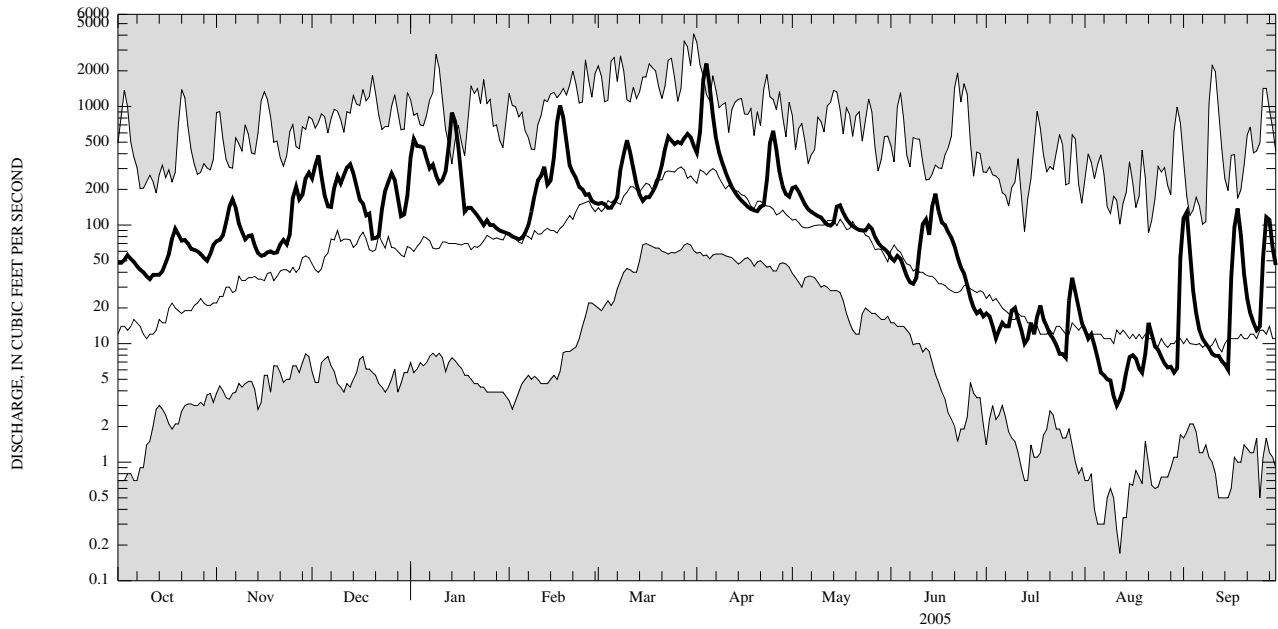
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	39.6	76.2	124	131	186	329	258	131	65.8	28.0	22.5	29.7
Max	235	405	497	484	460	664	497	325	348	143	201	291
(WY)	(1946)	(1971)	(1978)	(1998)	(1981)	(1971)	(1947)	(1956)	(1989)	(1992)	(1992)	(2004)
Min	2.61	6.07	5.68	6.15	15.4	122	51.6	38.1	10.7	3.75	2.35	1.66
(WY)	(1964)	(1965)	(1961)	(1961)	(1958)	(1989)	(1946)	(1949)	(1949)	(1965)	(2001)	(1959)

04231000 BLACK CREEK AT CHURCHVILLE, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1946 - 2005	
Annual total	63,683		58,385.5			
Annual mean	174		160		118	
Highest annual mean					207	1978
Lowest annual mean					52.3	1953
Highest daily mean	2,220	Sep 10	2,310	Apr 4	4,120	Mar 31, 1960
Lowest daily mean	23	Aug 27	3.0	Aug 11	0.17	Aug 12, 2001
Annual seven-day minimum	29	Aug 22	4.2	Aug 7	0.47	Aug 3, 1959
Annual runoff (cfsm)	1.34		1.23		0.907	
Annual runoff (inches)	18.22		16.71		12.33	
10 percent exceeds	329		393		290	
50 percent exceeds	100		96		50	
90 percent exceeds	48		9.9		7.0	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04231000 BLACK CREEK AT CHURCHVILLE, NY—Continued**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Water years 1954, 1956, 1961, 1962, 1965 to 1976, 1998 to current year.

CHEMICAL DATA: Water years 1954 (a), 1956 (a), 1961 (b), 1962 (e), 1965 (a), 1966 to 1974 (d), 1975-76 (e), 1998 to 2003 (e), 2004 (d), 2005 (c).

NUTRIENT DATA: Water years 1954 (a), 1956 (a), 1961 (b), 1962 (e), 1965 (a), 1966 to 1974 (d), 1975-76 (e), 1998 to 2003 (e), 2004 (d), 2005 (c).

SEDIMENT DATA: Water years 1975-76 (e).

PERIOD OF DAILY RECORD.-- WATER TEMPERATURES: October 1961 to September 1962.

INSTRUMENTATION.--Automatic water sampler since April 1998.

COOPERATION.—Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, N.Y.

Date	Begin Time	End Time	Dis-charge, cfs (00060)	Chlor-ide, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia + org-N, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate unfltrd mg/L as N (00630)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)
Nov											
04-10	1415	0614	125	60.4	181	6	.75	<.010	1.14	.022	.079
Dec											
01-08	0935	0835	237	51.1	117	19	.79	.017	1.69	.018	.069
Apr											
06-13	1240	1140	354	52.5	--	13	.80	.016	1.82	.003	.064
Apr											
23-28	0935	0735	419	51.6	--	14	1.2	.042	1.65	.018	.085
Sep											
01-07	1905	0905	50	71.2	--	32	2.2	.768	1.58	.074	.200
Sep											
16-21	0556	0556	79	65.7	--	17	.81	.027	.629	.019	.094

04232000 GENESEE RIVER AT ROCHESTER, NY

Lower Genesee Watershed

LOCATION.--Lat 43°10'50", long 77°37'40" referenced to North American Datum of 1927, Monroe County, Hydrologic Unit 04130003, on right bank 40 ft downstream from Rochester Gas and Electric Corporation plant number 5, 100 ft upstream from bridge on Driving Park Avenue in Rochester, and 6.4 mi upstream from mouth.

DRAINAGE AREA.--2467 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1904 to September 1918, December 1919 to current year. Published as "at Driving Park Avenue," 1919-68.

REVISED RECORDS.--WSP 1912; WDR NY-82-3: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 244.24 ft above NGVD of 1929 (245.00 ft, Barge Canal datum). April 1904 to December 1910, nonrecording gage and December 1910 to September 1918, water-stage recorder at site 5 mi upstream at datum 506.85 ft, Barge Canal datum. December 1919 to Apr. 4, 1927, water-stage recorder in plant 5, and Apr. 4, 1927 to June 19, 1956, at present site at datum 5.76 ft higher than present datum. June 20, 1956 to Sept. 30, 1969, at present site at datum 2.76 ft higher than present datum. Oct. 1, 1969 to Sept. 30, 1985, at present site at datum 2.00 ft higher than present datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Extensive diurnal fluctuation caused by powerplants upstream from station. New York State Erie (Barge) Canal crosses river 5.4 mi upstream from station. Water diverted by the canal from Lake Erie is discharged into river from the west, the canal again diverting a smaller amount of water from river to the east. Additional regulation is provided by Rushford Lake, Mount Morris Lake (see station 04224000), and Conesus Lake (see station 04227980).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, prior to construction of Mt. Morris Reservoir in November 1951, 48,300 ft³/s, Mar. 30, 1916, gage height 15.3 ft, site and datum then in use; maximum discharge at present site, 34,400 ft³/s, Mar. 19, 1942; maximum gage height, 17.08 ft, Apr. 2, 1940, datum then in use; minimum discharge, less than 10 ft³/s, occurred during low-water periods in some years when power plant was shut down. Maximum discharge since construction of Mt. Morris Reservoir in November 1951, 29,600 ft³/s, June 25, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge on Mar. 18, 1865, was about 54,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 18,400 ft³/s, Apr 4, gage height, 14.22 ft; minimum discharge, 246 ft³/s, Sep 14, gage height, 1.75 ft [THE FOLLOWING FLAG(S) APPEARED IN THE ADAPS END-OF-YEAR SUMMARY RETRIEVAL: e, estimated].

04232000 GENESEE RIVER AT ROCHESTER, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,840	2,920	4,610	5,990	1,880	2,410	4,680	7,300	1,240	2,470	e750	4,040
2	1,580	1,870	5,900	5,410	1,800	2,400	6,330	6,350	1,160	1,270	e660	4,890
3	1,560	1,850	5,520	5,560	2,000	2,210	14,400	4,890	1,100	e1,030	e630	2,330
4	1,480	2,730	5,080	6,070	2,190	2,130	17,200	5,340	1,030	e950	e630	1,440
5	1,410	3,660	4,560	7,010	2,040	2,090	15,800	5,320	1,060	e870	e630	1,100
6	1,500	3,920	4,290	6,170	1,950	2,130	11,500	5,100	1,080	e870	e630	967
7	1,340	3,790	3,610	5,940	2,020	2,320	8,610	4,900	1,100	1,130	e620	921
8	1,150	2,880	2,730	6,120	2,260	5,180	8,840	4,540	1,060	1,150	e600	835
9	1,170	2,400	2,390	5,500	3,910	6,540	9,000	4,400	1,070	1,830	e580	757
10	1,170	2,110	2,430	5,230	5,130	5,440	8,070	3,840	1,440	2,070	e600	817
11	1,110	2,050	5,030	5,180	4,870	4,770	7,590	2,470	1,620	1,550	e630	726
12	1,030	1,840	6,370	5,170	5,130	4,320	7,710	2,150	2,010	1,120	e630	748
13	1,050	1,840	5,300	8,930	4,440	4,010	7,850	1,790	2,940	1,070	e600	829
14	1,160	1,730	5,620	10,800	4,180	3,460	7,070	1,990	4,130	1,100	721	581
15	2,040	1,670	5,710	9,790	5,310	2,930	6,310	2,290	3,330	1,080	732	619
16	1,360	1,590	5,620	6,790	9,160	2,480	6,200	2,360	2,470	925	723	1,330
17	1,070	1,480	5,250	5,910	7,860	2,660	6,990	2,220	2,530	1,520	701	1,690
18	1,410	1,270	4,720	6,410	6,410	2,640	7,510	1,800	2,480	1,450	721	1,170
19	1,410	1,040	4,500	6,690	5,250	2,880	7,180	1,800	2,210	1,120	639	967
20	1,510	950	3,530	7,750	4,930	3,130	7,360	1,860	1,920	1,010	693	889
21	1,890	950	1,750	8,200	4,550	3,750	7,660	1,610	1,470	e720	785	769
22	1,810	993	1,620	7,750	4,230	4,860	7,750	1,520	1,090	e690	735	829
23	1,580	922	2,390	6,230	3,920	5,460	8,580	1,450	1,160	e720	738	760
24	1,550	979	5,310	4,820	3,520	5,120	11,000	1,580	e1,080	e540	710	673
25	2,260	1,270	5,460	5,320	2,880	5,350	10,900	1,600	e980	e620	625	676
26	2,390	1,500	4,690	5,470	2,740	5,470	6,640	1,600	e950	e710	645	1,060
27	2,500	1,650	4,500	5,410	2,550	5,470	6,050	1,590	e850	e840	574	996
28	2,320	2,340	3,940	4,490	2,370	5,920	5,890	1,460	e780	1,010	682	1,300
29	2,180	3,320	4,390	4,470	---	7,300	6,550	1,460	e930	e860	652	1,610
30	2,320	3,910	4,600	4,360	---	6,780	6,880	1,460	1,530	e800	619	1,050
31	3,180	---	4,910	2,680	---	5,050	---	1,350	---	e780	1,720	---
Total	51,330	61,424	136,330	191,620	109,480	126,660	254,100	89,390	47,800	33,875	21,605	37,369
Mean	1,656	2,047	4,398	6,181	3,910	4,086	8,470	2,884	1,593	1,093	697	1,246
Max	3,180	3,920	6,370	10,800	9,160	7,300	17,200	7,300	4,130	2,470	1,720	4,890
Min	1,030	922	1,620	2,680	1,800	2,090	4,680	1,350	780	540	574	581

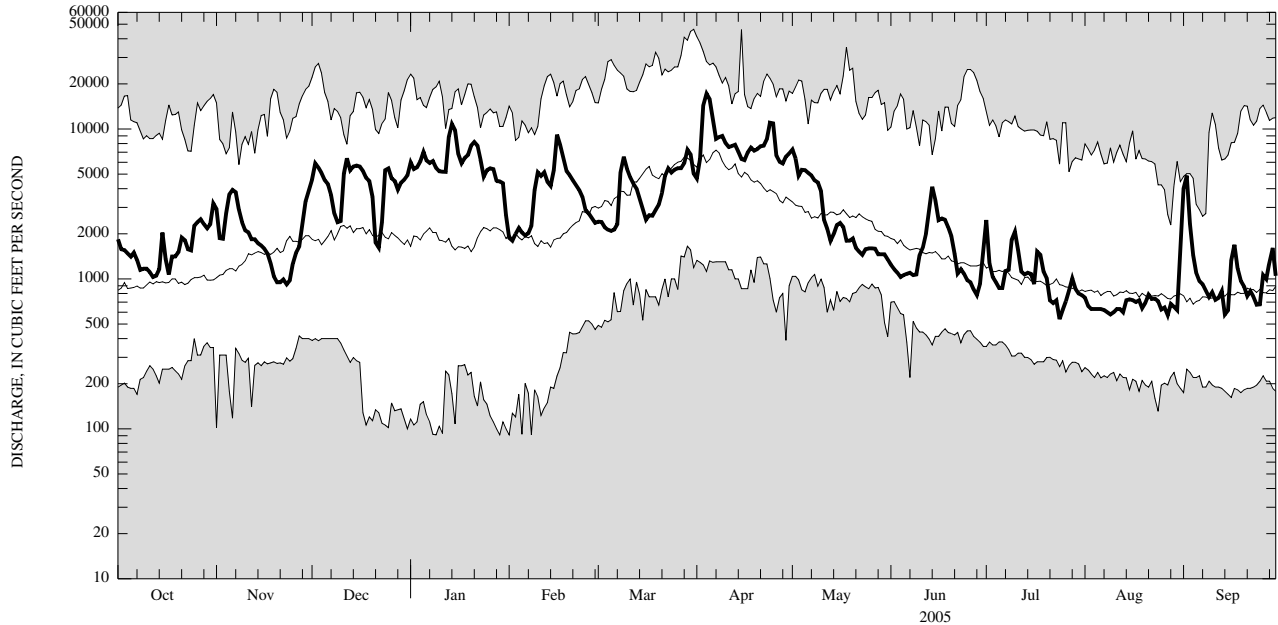
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,448	2,124	2,785	2,882	3,218	6,152	6,045	3,551	2,111	1,315	1,005	1,041
Max	7,095	7,383	9,973	8,830	9,157	14,300	14,160	10,230	7,311	8,524	4,825	6,722
(WY)	(1978)	(1928)	(1928)	(1913)	(1925)	(1945)	(1940)	(1943)	(1972)	(1972)	(2003)	(1977)
Min	338	436	502	152	560	2,213	1,561	1,140	479	350	229	199
(WY)	(1914)	(1910)	(1910)	(1961)	(1920)	(1937)	(1946)	(1915)	(1915)	(1913)	(1913)	(1913)

04232000 GENESEE RIVER AT ROCHESTER, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1904 - 2005	
Annual total	1,432,414		1,160,983			
Annual mean	3,914		3,181		2,823	
Highest annual mean					4,426	1978
Lowest annual mean					1,663	1999
Highest daily mean	12,800	Sep 10	17,200	Apr 4	46,300	Mar 31, 1916
Lowest daily mean	920	Jul 4	540	Jul 24	91	Jan 9, 1961
Annual seven-day minimum	1,010	Nov 18	609	Aug 7	104	Jan 26, 1961
10 percent exceeds	7,970		6,660		6,860	
50 percent exceeds	2,730		2,150		1,600	
90 percent exceeds	1,230		730		599	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04232034 IRONDEQUOIT CREEK AT RAILROAD MILLS NEAR FISHERS, NY

Irondequoit - Ninemile Watershed

LOCATION.--Lat 43°01'40", long 77°28'42" referenced to North American Datum of 1927, Ontario County, Hydrologic Unit 04140101, on right bank 90 ft upstream from bridge on Railroad Mills Road, 1.5 mi northwest of Fishers, and 4.0 mi southwest of Fairport.

DRAINAGE AREA.--39.2 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1991 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 450 ft above NGVD of 1929, from topographic map.

COOPERATION.--Discharge measurements were provided by the Monroe County Environmental Health Laboratory at Rochester, N.Y.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Unpublished water-quality records for prior years are available in files of Monroe County Department of Health. Telephone gage-height telemeter at station. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 1,000 ft³/s, Jan. 8, 1998, gage height 10.40 ft, from rating curve extended above 420 ft³/s; minimum discharge, 6.8 ft³/s, Aug. 21, 1995, gage height, 3.96 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 11	1100	357	7.24
Jan 13	1115	322	7.03
Apr 03	1030	a*854	*9.62
Apr 24	1500	398	7.47

a From rating curve extended above 420 ft³/s.

Minimum discharge, 12 ft³/s, on several days, gage height, 4.06 ft.

04232034 IRONDEQUOIT CREEK AT RAILROAD MILLS NEAR FISHERS, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	21	24	101	92	e30	e36	77	71	25	23	15	54
2	20	25	94	62	e30	e40	232	54	24	20	14	29
3	22	49	55	61	39	e36	777	51	23	18	14	22
4	22	60	45	122	41	e34	411	56	22	17	13	20
5	21	98	42	81	40	e34	139	49	22	17	13	18
6	20	48	37	67	41	e36	93	45	21	17	12	16
7	19	37	42	92	46	e62	83	41	20	17	12	15
8	18	32	63	69	70	186	83	39	19	26	12	15
9	25	30	46	59	129	128	69	38	19	30	12	15
10	20	28	90	60	98	79	60	42	22	26	12	14
11	19	27	260	69	77	e50	54	38	21	22	12	14
12	18	26	124	89	e60	e46	59	35	28	19	12	14
13	18	26	82	261	e46	e46	52	32	42	17	15	13
14	19	25	63	236	e46	e40	46	35	126	16	17	13
15	26	24	51	108	164	e40	43	67	38	17	16	13
16	31	25	48	e52	230	e42	42	40	43	21	15	49
17	27	25	48	e42	e100	e44	41	42	46	32	14	35
18	27	24	e34	e40	e70	e52	40	39	51	28	13	27
19	26	25	e34	e42	e50	e52	46	34	36	23	13	23
20	29	25	e32	49	e42	e70	50	32	31	19	13	21
21	37	30	e32	e40	e44	103	91	30	28	15	17	19
22	30	28	34	e40	e48	137	59	30	27	15	15	18
23	26	26	75	e38	55	134	221	30	25	14	14	17
24	24	38	e98	e38	e42	87	346	31	23	14	13	17
25	24	78	e42	e38	e40	115	135	32	22	14	12	18
26	29	45	39	e36	e40	97	91	30	20	16	12	31
27	29	35	e30	e36	e36	108	71	28	19	31	12	38
28	25	76	e30	e34	e34	136	61	28	18	25	14	30
29	22	78	38	e32	---	141	55	27	27	18	13	29
30	27	44	40	e32	---	102	61	26	27	17	13	27
31	27	---	74	e30	---	88	---	25	---	16	139	---
Total	748	1,161	1,923	2,147	1,788	2,401	3,688	1,197	915	620	543	684
Mean	24.1	38.7	62.0	69.3	63.9	77.5	123	38.6	30.5	20.0	17.5	22.8
Max	37	98	260	261	230	186	777	71	126	32	139	54
Min	18	24	30	30	30	34	40	25	18	14	12	13
Cfsm	0.62	0.99	1.58	1.77	1.63	1.98	3.14	0.99	0.78	0.51	0.45	0.58
In.	0.71	1.10	1.82	2.04	1.70	2.28	3.50	1.14	0.87	0.59	0.52	0.65

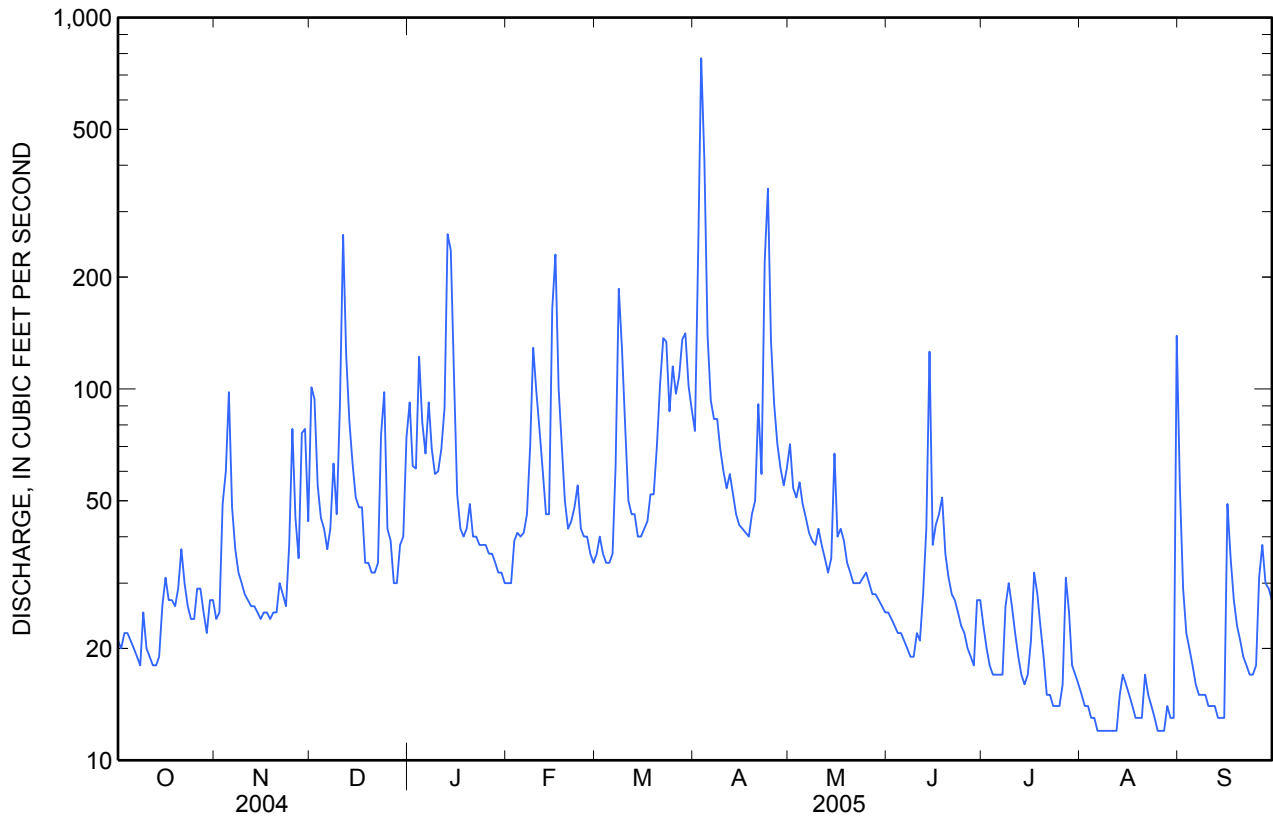
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	22.7	33.9	40.2	45.2	44.6	69.7	71.4	42.5	29.2	22.2	19.8	21.2
Max	53.7	67.5	73.0	112	69.7	98.0	143	69.0	56.5	52.5	58.0	59.3
(WY)	(1997)	(1993)	(1997)	(1998)	(1998)	(1993)	(1993)	(2002)	(1996)	(1992)	(1992)	(2004)
Min	12.5	15.3	20.7	20.8	27.8	41.1	27.4	20.2	12.3	12.1	9.03	9.92
(WY)	(2002)	(2002)	(1999)	(2002)	(1995)	(2002)	(1995)	(1995)	(1995)	(2001)	(1995)	(1995)

04232034 IRONDEQUOIT CREEK AT RAILROAD MILLS NEAR FISHERS, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1991 - 2005	
Annual total	17,150		17,815			
Annual mean	46.9		48.8		38.7	
Highest annual mean					53.5	1993
Lowest annual mean					24.7	1995
Highest daily mean	481	Sep 9	777	Apr 3	790	Jan 8, 1998
Lowest daily mean	15	Aug 26	12	Aug 6	7.5	Aug 24, 1995
Annual seven-day minimum	17	Jun 30	12	Aug 6	7.6	Aug 20, 1995
Annual runoff (cfsm)	1.20		1.25		0.986	
Annual runoff (inches)	16.27		16.91		13.40	
10 percent exceeds	88		92		72	
50 percent exceeds	32		34		26	
90 percent exceeds	20		15		13	



04232034 IRONDEQUOIT CREEK AT RAILROAD MILLS NEAR FISHERS, NY—Continued**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Water years 1992 to current year.

CHEMICAL DATA: Water years 1992 to 2003 (e), 2004 to 2005 (d).

NUTRIENT DATA: Water years 1992 to 2003 (e), 2004 to 2005 (d).

PERIOD OF DAILY RECORD.--WATER TEMPERATURES: February 1995 to current year.

INSTRUMENTATION.--Automatic water sampler since July 1991. Water temperature recorder since February 1995 provides 15-minute-interval readings.

COOPERATION.—Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, N.Y.

REMARKS.--Prior to 1994 water year, data published in "Water Resources of Monroe County New York, Water Years 1989-93", U.S. Geological Survey Open-File Report 97-587.

EXTREMES FOR PERIOD OF RECORD.--WATER TEMPERATURES: Maximum, 23.5°C, July 3, 2002; minimum, 0°C, many days during winter period.

EXTREMES FOR CURRENT YEAR.--WATER TEMPERATURE: Maximum, 23.0°C, July 5; minimum, 0°C, many days during winter period.

**TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	13.5	12.0	13.0	11.0	10.0	10.5	6.5	5.5	6.0	3.5	3.0	3.0
2	13.5	13.0	13.5	10.5	9.5	10.0	5.5	4.5	5.0	4.5	3.0	3.5
3	13.0	11.0	12.0	10.5	8.5	9.5	5.0	3.5	4.5	5.0	4.5	5.0
4	12.0	11.0	11.5	8.5	7.0	7.5	4.0	2.5	3.0	5.0	3.5	4.0
5	11.5	10.0	10.5	7.5	6.5	7.0	4.5	3.5	4.0	3.5	2.5	3.0
6	11.0	9.0	10.0	8.0	6.5	7.5	3.5	2.5	3.0	2.5	1.0	2.0
7	12.5	10.0	11.5	9.5	8.0	8.5	5.0	3.0	4.0	2.0	1.0	1.5
8	13.0	11.5	12.0	9.0	7.0	8.0	6.0	5.0	5.5	2.0	1.0	1.5
9	13.5	12.5	13.0	7.0	5.5	6.0	6.0	5.0	5.5	3.0	2.0	2.5
10	13.0	11.0	12.0	7.0	5.0	5.5	6.0	5.5	6.0	3.5	2.5	3.0
11	11.0	10.5	11.0	7.5	7.0	7.0	5.5	4.5	5.0	3.0	2.0	2.5
12	11.0	9.5	10.5	7.0	5.5	6.0	4.5	3.5	4.0	3.0	2.0	2.5
13	10.5	9.0	10.0	5.5	4.0	4.5	4.5	4.0	4.0	6.0	2.0	3.5
14	11.0	10.0	10.5	4.5	3.0	4.0	4.0	2.0	3.0	6.0	2.0	4.0
15	11.5	11.0	11.0	5.5	3.5	4.5	2.5	1.5	2.0	2.0	0.5	1.0
16	11.5	10.5	11.0	6.0	4.5	5.5	3.0	1.5	2.0	1.5	0.5	1.0
17	10.5	9.5	9.5	7.5	5.5	6.5	3.0	2.0	2.5	1.5	0.0	0.5
18	9.5	8.5	9.0	8.5	7.5	8.0	3.0	1.0	2.0	0.0	0.0	0.0
19	9.5	9.0	9.5	9.0	8.5	9.0	3.0	0.5	2.5	1.0	0.0	0.0
20	10.0	9.5	9.5	9.0	8.5	8.5	0.5	0.0	0.5	1.0	0.5	1.0
21	10.5	10.0	10.0	9.5	9.0	9.0	1.0	0.0	0.5	0.5	0.0	0.0
22	10.5	10.0	10.0	9.0	8.0	8.5	2.5	1.0	2.0	0.0	0.0	0.0
23	10.0	8.5	9.0	8.0	6.0	7.0	3.0	1.0	2.5	0.0	0.0	0.0
24	10.0	9.0	9.5	8.5	7.5	8.0	1.0	0.0	0.5	0.0	0.0	0.0
25	10.5	10.0	10.0	8.5	6.5	8.0	1.0	0.0	0.5	1.0	0.0	0.0
26	11.0	10.0	10.5	6.5	5.0	5.5	1.5	0.5	1.0	1.0	0.5	0.5
27	11.0	10.0	10.5	6.0	5.0	5.5	1.0	0.0	0.5	1.0	0.0	0.5
28	10.5	9.0	9.5	7.5	6.0	6.5	1.5	0.0	0.5	0.5	0.0	0.0
29	10.5	9.0	9.5	6.5	6.0	6.0	3.0	1.5	2.5	1.5	0.0	0.5
30	12.5	10.5	11.5	6.5	5.5	6.0	3.5	2.5	3.0	2.0	0.5	1.0
31	12.5	11.0	12.0	---	---	---	3.5	3.0	3.5	1.5	0.0	0.5
Month	13.5	8.5	10.7	11.0	3.0	7.1	6.5	0.0	2.9	6.0	0.0	1.5

04232034 IRONDEQUOIT CREEK AT RAILROAD MILLS NEAR FISHERS, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	1.5	0.0	0.5	2.0	0.5	1.0	10.5	7.0	8.5	11.5	8.5	10.0
2	1.5	0.0	0.5	2.0	1.0	1.5	9.0	4.5	6.5	11.0	9.0	9.5
3	2.5	1.0	1.5	2.5	0.0	1.0	4.5	3.5	4.0	10.0	8.0	9.0
4	3.0	2.0	2.5	2.5	0.5	1.5	7.5	3.0	5.0	10.0	8.0	9.0
5	3.0	0.5	1.5	3.0	0.0	1.0	9.0	5.0	7.0	12.0	7.0	9.5
6	3.5	0.5	2.0	2.5	1.0	1.5	11.5	7.5	9.5	14.0	8.5	11.5
7	3.5	2.0	2.5	4.5	2.0	3.0	10.5	9.0	9.5	14.5	9.5	12.0
8	3.0	1.5	2.0	2.5	0.0	0.5	11.5	7.5	9.5	15.0	9.5	12.5
9	1.5	0.5	1.0	1.0	0.0	0.0	12.0	7.5	9.5	16.0	10.0	13.5
10	1.0	0.5	1.0	2.5	0.0	1.0	12.0	8.0	10.0	18.0	11.5	15.0
11	2.0	0.0	0.5	2.5	0.5	1.5	11.5	8.5	10.0	18.5	14.5	16.5
12	2.0	1.0	1.5	4.0	0.5	2.0	11.0	7.0	9.0	16.0	12.0	14.0
13	2.0	0.5	1.5	3.0	1.5	2.5	11.0	6.5	8.5	13.5	9.0	11.5
14	2.5	1.0	1.5	3.5	0.5	2.0	11.5	7.0	9.0	15.0	11.5	13.5
15	2.5	0.5	2.0	4.5	0.5	2.5	12.0	7.0	9.5	16.5	13.5	15.0
16	1.0	0.0	0.5	4.0	1.0	2.5	13.0	7.0	10.0	14.5	11.5	12.5
17	2.5	0.5	1.0	5.0	1.5	3.0	13.5	8.0	11.0	12.5	10.0	11.5
18	1.5	0.0	0.5	4.0	2.0	3.0	14.5	9.5	12.0	14.5	10.0	12.5
19	1.5	0.0	0.5	4.5	1.0	3.0	15.5	10.0	13.0	14.5	10.5	12.5
20	2.0	0.0	1.0	3.0	2.5	3.0	14.5	11.5	13.5	15.0	11.5	13.5
21	2.5	0.0	1.5	4.5	2.0	3.0	13.0	10.0	11.5	15.0	11.5	13.5
22	3.0	2.0	2.5	4.5	1.0	3.0	12.5	8.5	10.5	14.5	12.0	12.5
23	3.0	1.0	2.0	3.5	1.5	2.0	10.5	9.5	10.0	12.5	11.5	12.0
24	2.0	0.0	1.0	5.0	1.5	3.0	10.5	8.0	9.0	12.0	11.5	11.5
25	2.5	0.0	1.0	4.0	3.0	3.5	8.0	7.0	7.5	14.5	11.0	12.5
26	3.0	1.0	1.5	5.5	1.5	3.5	10.5	7.0	8.5	15.0	12.0	13.5
27	3.0	0.5	1.5	5.5	3.0	4.5	13.0	10.0	11.5	15.0	12.5	13.5
28	3.0	1.0	2.0	5.0	4.5	5.0	12.0	9.5	11.0	14.0	13.0	13.5
29	---	---	---	5.5	4.0	4.5	11.5	8.0	10.0	14.5	12.0	13.5
30	---	---	---	7.0	4.0	5.5	10.0	9.5	9.5	14.5	12.5	13.5
31	---	---	---	8.0	5.5	7.0	---	---	---	15.5	12.5	14.0
Month	3.5	0.0	1.4	8.0	0.0	2.6	15.5	3.0	9.4	18.5	7.0	12.5

04232034 IRONDEQUOIT CREEK AT RAILROAD MILLS NEAR FISHERS, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	16.5	13.5	15.0	20.0	18.0	19.0	19.5	17.0	18.5	19.5	17.5	18.5
2	17.0	14.5	15.5	19.0	16.5	17.5	20.5	17.5	19.0	19.0	16.5	18.0
3	17.0	15.0	16.0	18.0	14.5	16.5	20.5	17.5	19.0	18.0	16.0	17.0
4	16.5	15.0	16.0	20.0	16.5	18.0	21.0	18.0	19.5	17.0	15.5	16.5
5	18.5	14.5	16.5	19.5	17.5	18.5	21.0	18.5	20.0	16.5	14.0	15.5
6	19.0	16.5	18.0	19.0	17.0	18.0	19.5	16.5	18.0	16.5	14.0	15.5
7	20.0	16.5	18.5	18.0	16.0	17.0	19.5	16.0	17.5	17.0	14.5	15.5
8	20.0	16.5	18.5	17.0	16.0	16.5	18.5	16.0	17.5	16.0	15.0	15.5
9	20.0	17.0	19.0	18.0	16.0	17.0	19.5	17.0	18.0	16.5	14.5	15.5
10	19.5	18.0	18.5	19.5	16.0	18.0	19.5	17.0	18.5	15.5	13.5	14.5
11	20.0	17.5	19.0	19.5	16.5	18.5	20.0	17.5	18.5	15.0	12.5	14.0
12	20.0	18.0	19.0	20.5	17.5	19.0	19.0	17.5	18.0	16.5	13.5	15.0
13	21.5	18.5	20.0	21.0	18.0	19.5	19.5	17.0	18.0	17.5	15.0	16.0
14	23.0	21.0	22.0	20.5	18.5	19.5	18.5	16.5	17.5	17.5	15.0	16.5
15	21.5	19.5	20.5	21.0	18.5	19.5	18.5	16.0	17.0	17.0	16.0	16.5
16	19.5	16.0	17.5	20.0	18.5	19.5	18.5	16.0	17.0	17.0	15.0	16.0
17	16.0	15.5	16.0	22.0	19.5	20.5	18.5	16.0	17.0	17.0	16.0	16.5
18	16.0	15.0	15.5	22.0	19.5	21.0	17.5	15.5	16.5	16.5	15.0	16.0
19	15.5	14.5	15.0	22.0	19.5	20.5	17.5	16.0	17.0	16.5	15.0	16.0
20	17.0	13.0	15.0	21.0	18.5	20.0	19.0	17.0	18.0	17.5	16.0	16.5
21	18.0	14.5	16.5	20.0	17.5	19.0	20.0	17.0	18.5	17.0	14.5	16.0
22	18.0	16.0	17.0	19.5	18.0	18.5	19.0	17.0	17.5	16.0	14.5	15.5
23	17.0	14.0	15.5	20.0	17.0	18.5	17.0	15.5	16.0	16.5	15.0	16.0
24	18.5	14.5	16.5	18.5	16.5	17.5	17.0	14.0	15.5	15.0	12.5	14.0
25	20.0	16.5	18.0	21.0	17.5	19.0	16.0	14.0	15.0	16.0	14.0	15.0
26	20.0	17.5	19.0	20.0	17.5	18.5	17.5	14.5	16.0	16.5	16.0	16.0
27	20.0	17.0	18.5	19.0	18.0	18.5	17.0	15.0	16.0	16.5	15.0	15.5
28	20.5	17.5	19.0	19.0	16.5	17.5	18.5	15.5	17.0	15.0	13.0	14.0
29	19.5	18.0	19.0	18.0	16.0	17.0	17.5	16.0	17.0	15.0	13.0	14.5
30	20.5	17.5	19.0	18.5	16.5	17.5	17.5	16.0	16.5	13.0	11.5	12.5
31	---	---	---	19.0	16.0	17.5	19.0	17.0	18.5	---	---	---
Month	23.0	13.0	17.6	22.0	14.5	18.5	21.0	14.0	17.5	19.5	11.5	15.7
Year	23.0	0.0	9.8									

04232034 IRONDEQUOIT CREEK AT RAILROAD MILLS NEAR FISHERS, NY—Continued

Date	Time	End time	Dis-charge, cfs (00060)	Chlor-ide, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)
Oct 30- Nov 03	0300	0900	28	106	217	23	.68	.244	.099	.009	.075
Nov 03-10	0915	0815	50	87.4	152	31	.57	<.010	.621	.007	.073
Nov 24-28	1000	0400	51	83.2	161	16	.42	.027	.341	.007	.048
Nov 28-30	0500	0859	76	91.5	145	32	.65	.102	.505	.007	.074
Nov 30- Dec 07	0910	0810	59	83.6	126	14	.46	.011	.844	.004	.034
Jan 12-17	0440	0940	147	97.2	86.5	42	.42	<.010	.788	.009	.081
Feb 09-15	0920	1120	81	151	--	22	.45	.063	.687	.007	.029
Mar 19-24	0955	0854	105	92.9	--	137	1.3	.021	.890	.005	.231
Mar 24-31	0855	0755	113	78.4	--	45	.84	<.010	.724	<.003	.082
Mar 31- Apr 06	0905	0205	297	75.7	--	123	.94	.039	.735	<.003	.227
Apr 06-13	1010	0910	69	105	--	24	.39	<.010	1.16	<.003	.028
Apr 22-27	1745	1245	177	91.1	--	66	.86	.011	.935	<.003	.102
Aug 31- Sep 07	0150	0050	42	111	--	74	.89	<.010	1.28	.014	.154
Sep 16-21	1135	0835	31	106	--	52	.64	.045	1.03	.010	.108

04232050 ALLEN CREEK NEAR ROCHESTER, NY

Irondequoit - Ninemile Watershed

LOCATION.--Lat 43°07'49", long 77°31'08" referenced to North American Datum of 1927, Monroe County, Hydrologic Unit 04140101, on right bank 525 ft downstream from Penn Central Transportation Co. bridge, near Rochester, and about 1.3 mi upstream from Irondequoit Creek.

DRAINAGE AREA.--30.1 mi², flow from 3.5 mi² is noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1959 to current year.

REVISED RECORDS.--WDR NY 1974: 1972(M), 1973(M, P). WDR NY-76-1: 1960-75 (M, P), 1960-63, 1972-74.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 323.54 ft above NGVD of 1929.

COOPERATION.--Discharge measurements were provided by the Monroe County Environmental Health Laboratory at Rochester, N.Y.

REMARKS.--Records fair. Unpublished water-quality records for prior years are available in files of Monroe County Department of Health. Discharge prior to January 1980 included undetermined diversion (maximum 20 ft³/s) from Erie (Barge) Canal upstream from station. January 1980 to present, diversion reduced to a maximum of 3 ft³/s for use by several golf courses adjacent to stream. Telephone gage-height telemeter at station. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,280 ft³/s, May 17, 1974, gage height, 7.42 ft, from rating curve extended above 1,600 ft³/s on basis of contracted-opening measurement of peak discharge and step-backwater analysis; minimum daily discharge, 1.7 ft³/s, Jan. 24, 1963; minimum instantaneous discharge not determined.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 450 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 10	2200	481	4.08
Jan 14	0445	467	4.06
Apr 03	0030	1,060	4.90
Aug 31	1000	516	4.12
Sep 16	1315	*1,300	*5.17

Minimum discharge, 5.1 ft³/s, Jun 9, gage height, 2.41 ft.

04232050 ALLEN CREEK NEAR ROCHESTER, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	8.9	16	176	41	e11	24	37	23	8.6	11	8.8	37
2	12	26	71	33	e10	25	454	19	8.0	9.9	8.4	19
3	11	35	40	38	12	22	844	16	7.6	10	7.9	14
4	10	101	27	107	14	22	309	14	8.4	11	7.4	11
5	9.0	54	22	49	15	22	103	13	8.4	14	7.1	9.4
6	8.9	27	19	65	18	25	55	13	7.3	11	6.8	8.5
7	7.9	21	33	79	24	111	44	13	6.9	8.9	7.6	7.8
8	8.5	17	35	42	119	229	30	12	6.1	15	8.3	7.4
9	10	16	24	34	146	106	25	12	5.9	13	7.4	7.6
10	10	14	154	44	86	44	22	11	13	10	6.9	7.2
11	10	14	253	43	54	32	19	10	14	9.0	7.4	6.9
12	10	13	120	119	43	27	17	10	93	8.6	8.4	6.8
13	11	12	64	230	36	26	16	9.6	84	9.6	9.7	6.0
14	12	12	38	291	62	22	14	24	61	18	17	5.8
15	24	11	27	89	277	21	13	37	25	16	11	5.8
16	15	9.7	23	40	248	23	12	16	36	96	10	416
17	15	8.8	22	27	124	27	12	13	32	50	9.2	83
18	12	9.2	17	e20	64	35	12	11	38	29	8.8	28
19	11	9.1	16	e18	39	33	11	11	22	21	9.3	19
20	14	12	e10	20	29	39	29	9.9	18	13	29	19
21	17	16	12	e15	29	67	28	9.2	17	11	30	15
22	12	11	12	e15	30	96	39	12	18	12	12	12
23	11	9.9	168	e15	30	83	172	10	16	11	10	11
24	10	95	79	e15	26	71	237	12	14	11	9.7	11
25	11	60	28	15	23	71	69	12	14	10	8.8	18
26	9.6	24	20	15	22	56	37	9.6	12	12	7.9	102
27	9.3	17	15	14	20	63	28	9.2	11	48	8.0	38
28	9.6	135	13	e14	21	80	22	11	12	19	11	22
29	9.4	37	17	e13	---	66	19	8.7	12	13	11	26
30	52	25	22	14	---	45	27	7.7	12	11	12	18
31	27	---	49	e12	---	37	---	7.9	---	9.7	329	---
Total	408.1	867.7	1,626	1,586	1,632	1,650	2,756	406.8	641.2	551.7	645.8	998.2
Mean	13.2	28.9	52.5	51.2	58.3	53.2	91.9	13.1	21.4	17.8	20.8	33.3
Max	52	135	253	291	277	229	844	37	93	96	329	416
Min	7.9	8.8	10	12	10	21	11	7.7	5.9	8.6	6.8	5.8

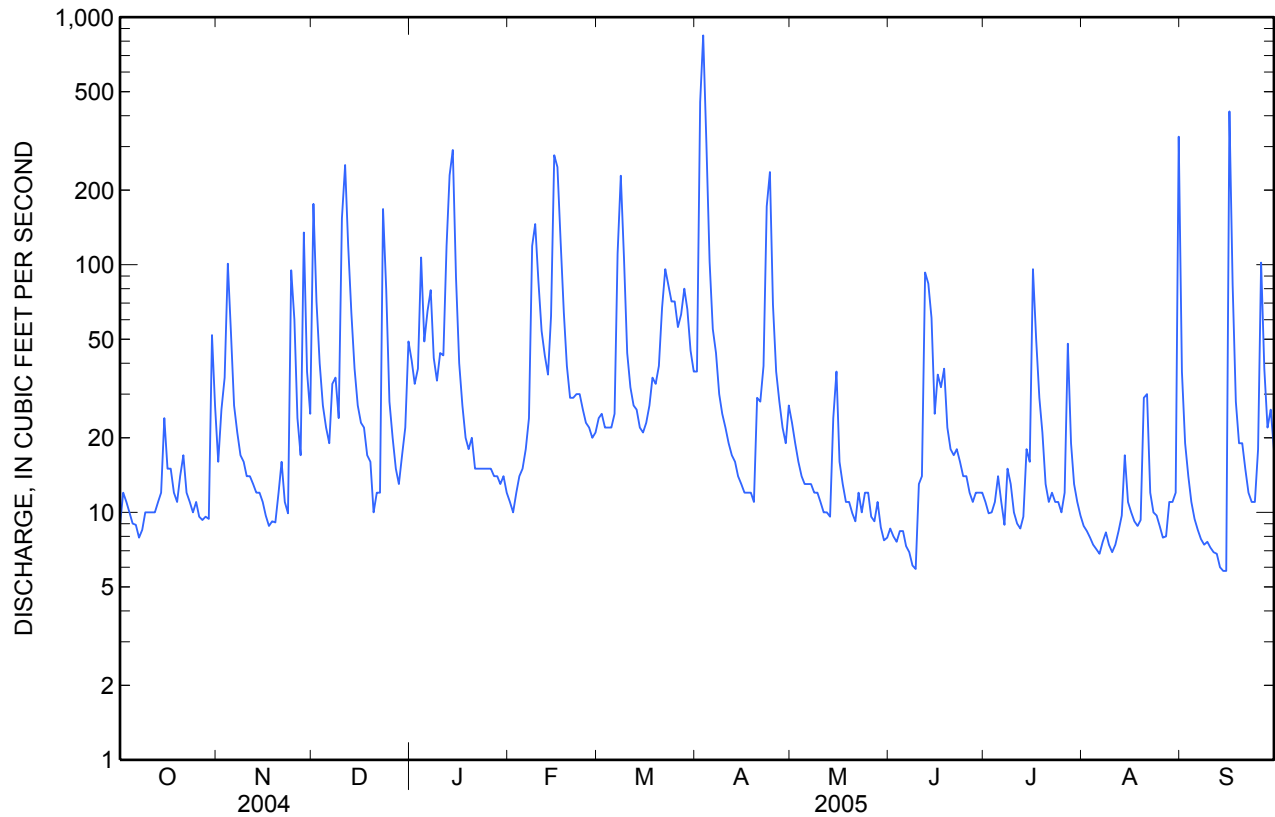
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	23.6	30.0	30.8	25.4	35.1	56.7	47.4	33.3	26.9	22.3	23.8	24.1
Max	74.8	102	89.7	108	94.9	131	93.9	103	78.4	79.7	50.7	103
(WY)	(1978)	(1973)	(1978)	(1998)	(1981)	(1960)	(2004)	(1974)	(1972)	(1998)	(1992)	(2004)
Min	7.99	7.42	4.80	4.40	10.4	22.6	11.2	8.94	8.58	6.29	5.08	6.07
(WY)	(1962)	(1961)	(1961)	(1963)	(1989)	(1981)	(1995)	(1995)	(2001)	(2001)	(2002)	(1961)

04232050 ALLEN CREEK NEAR ROCHESTER, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1960 - 2005	
Annual total	16,987.3		13,769.5			
Annual mean	46.4		37.7		31.4	
Highest annual mean					50.6	1978
Lowest annual mean					16.1	1995
Highest daily mean	1,490	Sep 9	844	Apr 3	1,970	Mar 30, 1960
Lowest daily mean	7.9	Oct 7	5.8	Sep 14	1.7	Jan 24, 1963
Annual seven-day minimum	9.2	Oct 4	6.6	Sep 9	2.3	Feb 15, 1962
10 percent exceeds	101		83		58	
50 percent exceeds	20		16		19	
90 percent exceeds	11		8.6		7.4	



04232050 ALLEN CREEK NEAR ROCHESTER, NY—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1971-72, 1979-81, 1983 to current year.

CHEMICAL DATA: Water years 1971-72 (a), 1979 (a), 1980 (d), 1981 (e), 1983 to 2003 (e), 2004 to 2005 (d).

NUTRIENT DATA: Water years 1971-72 (a), 1979 (a), 1980 (d), 1981 (e), 1983 to 2003 (e), 2004 to 2005 (d).

PERIOD OF DAILY RECORD.-- WATER TEMPERATURES: November 1994 to current year.

INSTRUMENTATION.--Automatic water sampler since October 1983. Water temperature recorder since November 1994 provides 15-minute-interval readings.

COOPERATION.--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, N.Y.

REMARKS.--Records for October 1983 to September 1993 are published in "Water Resources of Monroe County New York, Water Years 1984-88", U.S. Geological Survey open-file report 93-370, and in "Water Resources of Monroe County New York, Water Years 1989-93", U.S. Geological Survey Open-File Report 97-587. Prior to October 1983, unpublished records are available in the files of the U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--WATER TEMPERATURES: Maximum, 26.5°C, July 5, 1999; minimum, 0°C, many days during winter period.

EXTREMES FOR CURRENT YEAR.--WATER TEMPERATURES: Maximum, 25.0°C, July 16, 17, 18; minimum, 0°C, several days during winter period.

04232050 ALLEN CREEK NEAR ROCHESTER, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	16.0	13.0	14.5	12.0	10.5	11.0	7.5	6.0	7.0	5.5	3.5	4.5
2	15.5	14.0	15.0	12.0	10.5	11.0	6.0	5.5	6.0	5.0	3.0	4.0
3	15.0	12.5	14.0	11.5	9.0	10.5	6.0	4.5	5.5	5.0	4.5	5.0
4	14.0	12.5	13.0	9.0	8.0	8.0	5.5	4.0	4.5	5.0	3.5	4.0
5	13.0	11.5	12.0	9.0	8.0	8.5	6.0	4.5	5.5	3.5	2.5	3.0
6	14.0	11.0	12.5	10.0	8.0	9.0	4.5	4.0	4.0	3.0	1.5	2.0
7	15.5	12.0	13.5	11.0	9.0	10.0	6.5	4.5	5.5	2.5	1.5	2.0
8	15.5	13.0	14.0	9.5	7.5	8.5	6.5	6.0	6.0	2.5	1.5	2.0
9	15.5	13.5	14.5	7.5	6.0	7.0	6.5	5.5	6.0	3.5	2.5	3.0
10	13.5	12.5	13.0	8.5	6.0	7.0	6.5	6.0	6.5	4.0	3.0	3.5
11	12.5	11.5	12.0	8.5	7.5	8.0	6.0	5.0	5.5	3.0	2.5	3.0
12	13.0	11.0	12.0	7.5	6.0	7.0	5.5	4.5	5.0	4.0	3.0	3.5
13	13.0	10.5	12.0	6.5	5.5	6.0	5.5	4.5	5.0	6.0	3.0	4.5
14	13.0	12.0	12.5	7.0	4.5	5.5	4.5	2.5	3.5	6.0	2.0	4.0
15	13.5	12.5	13.0	7.5	5.5	6.5	4.0	2.5	3.0	2.5	1.0	1.5
16	12.5	11.0	12.5	8.0	6.0	7.0	4.0	2.5	3.0	2.5	1.5	2.0
17	11.0	10.5	11.0	9.5	7.0	8.5	4.0	2.5	3.0	2.0	0.5	1.0
18	11.0	10.0	10.5	10.0	9.0	9.5	4.0	2.0	3.0	1.0	0.0	0.0
19	11.0	10.5	10.5	10.5	9.0	10.0	4.5	0.0	3.0	1.5	0.0	1.0
20	11.5	10.5	11.0	10.0	9.0	9.5	1.0	0.0	0.5	1.5	0.5	1.0
21	12.0	11.0	11.5	10.5	9.5	10.0	2.5	0.0	1.5	0.5	0.0	0.0
22	12.0	10.5	11.5	9.5	8.0	9.0	3.5	2.0	3.0	0.0	0.0	0.0
23	11.5	9.0	10.5	9.0	6.5	8.0	4.0	1.5	2.5	0.0	0.0	0.0
24	11.5	10.0	10.5	10.0	8.5	9.5	1.5	0.5	1.0	1.0	0.0	0.5
25	11.5	11.0	11.0	9.5	6.0	8.0	1.5	0.0	1.0	2.0	1.0	1.5
26	12.5	11.0	11.5	7.0	5.5	6.5	2.5	1.0	1.5	1.0	0.5	0.5
27	12.0	10.5	11.5	7.5	6.0	7.0	1.5	0.5	1.0	1.0	0.0	0.5
28	11.5	9.5	10.5	8.5	7.0	8.0	2.0	0.0	1.0	1.5	0.0	0.5
29	12.0	10.0	11.0	7.0	6.0	6.5	3.5	2.0	3.0	2.0	0.0	0.5
30	14.0	12.0	13.5	7.5	6.0	7.0	4.0	2.5	3.0	2.0	0.5	1.5
31	13.5	12.0	13.0	---	---	---	5.0	3.0	4.0	2.0	0.0	1.0
Month	16.0	9.0	12.2	12.0	4.5	8.2	7.5	0.0	3.7	6.0	0.0	2.0

04232050 ALLEN CREEK NEAR ROCHESTER, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	2.0	0.0	1.0	2.0	0.5	1.0	10.0	7.0	8.0	12.0	8.5	10.0
2	2.5	0.0	1.0	2.0	0.5	1.5	7.5	5.0	6.0	11.5	9.0	10.0
3	3.0	1.0	2.0	2.5	0.0	1.0	5.0	4.5	4.5	10.0	8.5	9.5
4	3.0	1.5	2.0	3.0	0.5	1.5	7.5	4.0	5.5	10.5	8.0	9.0
5	3.0	0.5	1.5	3.0	0.0	1.5	9.0	5.0	7.0	12.5	7.5	10.0
6	3.5	0.5	2.0	2.5	1.0	1.5	10.0	6.5	8.0	14.5	8.5	11.5
7	3.5	1.5	2.5	4.0	1.5	2.5	9.0	7.5	8.5	14.5	10.0	12.0
8	2.5	1.0	1.5	2.0	0.0	0.5	11.0	6.5	8.5	16.0	10.0	12.5
9	2.0	1.0	1.5	1.5	0.0	0.5	11.5	7.0	9.0	16.5	10.5	13.5
10	1.5	1.0	1.0	2.5	0.0	1.0	12.0	7.0	9.5	18.0	11.5	14.5
11	2.0	0.0	1.0	2.5	0.0	1.5	11.0	7.5	9.0	17.5	13.5	15.5
12	2.5	1.0	1.5	4.0	0.5	2.5	11.0	6.5	8.5	15.0	11.0	12.5
13	2.5	0.5	1.5	3.0	1.5	2.5	11.0	6.5	9.0	15.0	9.0	12.0
14	3.0	1.0	2.0	3.5	0.5	2.0	11.5	7.0	9.0	15.5	12.0	13.5
15	3.5	1.5	2.5	4.5	0.5	2.5	12.0	7.0	9.5	17.0	14.0	15.0
16	2.0	1.0	1.5	4.0	1.0	3.0	13.0	7.5	10.0	14.0	11.5	12.5
17	2.5	1.0	1.5	4.5	1.5	3.0	13.0	8.0	11.0	13.0	10.0	11.5
18	1.5	0.0	1.0	4.0	1.5	2.5	15.0	9.5	12.0	16.0	10.5	13.0
19	2.0	0.0	1.0	5.0	1.0	3.0	15.5	9.5	12.5	15.5	11.0	13.0
20	2.5	0.5	1.5	3.5	2.5	3.0	14.0	11.5	12.5	17.0	11.5	14.0
21	2.5	0.5	1.5	5.0	2.5	3.5	13.5	9.5	11.5	17.5	12.0	14.0
22	3.0	2.0	2.5	5.5	2.0	3.5	13.5	8.5	11.0	14.0	12.0	13.0
23	2.5	1.0	2.0	3.5	2.0	2.5	11.0	10.0	10.5	13.0	12.0	12.5
24	2.0	0.0	1.0	5.0	2.0	3.5	11.0	8.5	9.5	13.0	11.5	12.0
25	2.5	0.0	1.0	4.0	3.0	3.5	8.5	8.0	8.0	16.5	11.0	13.5
26	3.0	1.0	1.5	6.0	1.5	4.0	11.5	7.5	9.5	17.5	12.0	14.5
27	3.0	0.5	1.5	6.5	2.5	4.5	13.0	10.0	11.0	16.0	12.5	14.0
28	3.0	1.0	1.5	5.0	4.5	5.0	11.5	9.5	10.5	15.0	12.5	14.0
29	---	---	---	6.0	4.0	5.0	12.5	8.0	10.0	15.0	12.0	13.5
30	---	---	---	7.5	4.0	5.5	10.5	9.5	10.0	15.5	12.0	14.0
31	---	---	---	8.0	5.0	6.5	---	---	---	18.0	12.5	15.0
Month	3.5	0.0	1.6	8.0	0.0	2.7	15.5	4.0	9.3	18.0	7.5	12.7

04232050 ALLEN CREEK NEAR ROCHESTER, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	19.5	13.5	16.0	23.0	20.0	21.0	22.5	19.0	20.5	21.0	19.5	20.0
2	18.5	14.5	16.5	21.5	18.0	19.5	23.5	20.0	21.0	21.0	19.0	19.5
3	18.5	15.0	16.5	22.0	17.0	19.5	24.0	20.0	21.5	20.0	17.5	18.5
4	17.5	16.0	16.5	23.0	19.0	21.0	24.0	20.5	22.0	19.5	17.5	18.5
5	20.0	15.0	17.5	22.5	20.5	21.5	23.5	20.0	21.5	19.5	16.0	17.5
6	21.0	17.0	18.5	21.5	19.0	20.0	22.5	19.0	20.5	19.5	16.0	18.0
7	22.0	17.0	19.5	22.0	18.0	19.5	23.0	19.0	20.5	20.0	17.0	18.5
8	21.5	18.0	19.5	19.5	18.5	19.0	22.0	19.0	20.5	18.5	17.0	18.0
9	22.5	18.0	20.0	20.5	18.5	19.5	24.0	20.0	21.5	19.5	17.0	18.0
10	21.5	19.0	20.0	22.5	18.0	20.0	23.5	20.5	22.0	18.5	16.0	17.0
11	23.0	18.5	20.5	23.0	18.5	20.5	23.5	21.0	22.0	18.5	15.0	16.5
12	24.5	19.5	22.0	23.5	20.0	21.5	21.5	20.5	21.0	20.0	16.0	18.0
13	24.5	22.0	23.0	24.5	21.0	22.5	23.0	21.0	21.5	20.5	17.0	18.5
14	24.0	22.5	23.0	24.5	21.5	23.0	21.5	19.5	21.0	20.5	17.5	19.0
15	22.5	20.0	21.5	24.0	22.0	23.0	22.0	19.0	20.5	19.5	17.5	18.5
16	20.0	18.0	18.5	25.0	21.0	22.5	22.0	19.0	20.0	19.0	17.0	18.0
17	18.0	17.0	17.5	25.0	23.0	24.0	22.0	19.0	20.0	19.5	18.5	19.0
18	17.5	16.5	17.0	25.0	23.0	24.0	21.0	18.0	19.5	19.5	17.5	18.5
19	17.0	15.5	16.5	24.5	22.0	23.5	21.0	19.0	20.0	19.0	17.0	18.0
20	19.0	14.5	17.0	23.5	20.5	21.5	22.0	19.5	20.5	19.5	18.0	18.5
21	20.0	16.0	18.0	23.5	19.0	21.0	22.5	20.5	21.5	19.5	16.5	18.0
22	20.0	17.5	18.5	22.5	21.0	21.5	20.5	19.0	20.0	19.0	16.5	18.0
23	20.0	15.5	17.5	23.0	19.5	21.0	20.0	18.5	19.0	18.5	16.0	18.0
24	21.5	16.5	18.5	21.5	19.5	21.0	20.5	17.5	18.5	17.0	14.5	16.0
25	23.0	18.5	20.5	24.0	20.5	22.0	20.0	17.0	18.5	19.0	16.5	17.5
26	23.0	18.5	20.5	23.5	20.5	22.0	21.0	17.5	19.0	20.0	18.0	19.0
27	23.5	19.0	21.0	22.0	20.5	21.5	20.0	18.0	19.5	19.0	16.5	17.5
28	23.5	20.0	21.5	21.0	19.0	20.0	22.0	18.5	20.0	17.5	15.5	16.5
29	22.0	20.0	21.0	21.0	18.0	19.5	21.0	18.5	20.0	16.5	14.5	16.0
30	23.0	20.0	21.5	21.5	18.5	19.5	21.5	19.5	20.5	16.0	13.5	14.5
31	---	---	---	22.0	18.0	20.0	21.0	20.5	20.5	---	---	---
Month	24.5	13.5	19.2	25.0	17.0	21.1	24.0	17.0	20.5	21.0	13.5	17.9
Year	25.0	0.0	11.0									

04232050 ALLEN CREEK NEAR ROCHESTER, NY—Continued

Date	Begin time	End time	Dis-charge, cfs (00060)	Chlor-ide, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)
Oct 30-											
Nov 03	0210	1009	33	121	71.7	21	.88	.150	.533	.041	.105
Nov 30-											
Dec 07	0955	0855	54	132	47.5	14	.74	.025	.959	.015	.083
Jan 12-17	0550	1050	147	387	50.3	6	.41	.040	1.27	.015	.048
Feb 08-15	0800	0700	86	824	--	48	.79	.125	1.21	.005	.111
Mar 19-24	0930	0930	65	323	--	5	.65	.017	.916	<.003	.030
Mar 24-31	0930	0830	64	255	--	5	.91	.015	.956	<.003	.030
Mar 31-											
Apr 06	0930	0830	300	187	--	63	.94	.048	.924	.006	.137
Apr 06-13	0925	0825	28	226	--	7	.48	.011	1.27	<.003	.030
Apr 22-27	1420	1319	112	186	--	39	1.0	.084	.716	.006	.106
Aug 31-											
Sep 06	0037	2337	62	133	--	54	.95	.016	.715	.034	.191
Sep 26-											
Oct 03	1130	1030	30	137	--	178	4.6	.031	.556	.019	.421

0423205010 IRONDEQUOIT CREEK ABOVE BLOSSOM ROAD, ROCHESTER, NY

Irondequoit - Ninemile Watershed

LOCATION.--Lat 43°08'42", long 77°30'44" referenced to North American Datum of 1927, Monroe County, Hydrologic Unit 04140101, on right bank 4,000 ft upstream from bridge on Blossom Road, 1.8 mi east of Rochester, 1.7 mi downstream from Allen Creek, and 4.4 mi upstream from mouth.

DRAINAGE AREA.--142 mi², flow from 7.78 mi² is noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Occasional discharge measurements water years 1977-80. December 1980 to current year.

GAGE.--Water-stage recorder. Datum of gage is 247.87 ft above NGVD of 1929 (levels by Corps of Engineers). Prior to Oct. 1, 1991, at site 0.8 mi downstream at datum 1.56 ft lower.

COOPERATION.--Discharge measurements were provided by the Monroe County Environmental Health Laboratory at Rochester, N.Y.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Discharge includes undetermined diversion from Erie (Barge) Canal. Unpublished water-quality records for prior years are available in files of Monroe County Department of Health. Telephone gage-height telemeter at station. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,300 ft³/s, Jan. 8, 1998, gage height, 9.95 ft; minimum discharge, 25 ft³/s, Sept. 8, 9, 10, 14, 2002, gage height, 2.14 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 900 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr 03	1930	*2,680	*9.64
Sep 16	1500	1,180	8.58

Minimum discharge, 32 ft³/s, Aug 27, Sep 14, 15, gage height, 2.23 ft.

0423205010 IRONDEQUOIT CREEK ABOVE BLOSSOM ROAD, ROCHESTER, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	73	104	329	239	e100	e140	228	186	69	53	49	311
2	79	109	316	196	e95	e140	753	155	67	48	45	125
3	87	157	215	189	114	e130	2,480	138	65	46	43	88
4	81	207	170	314	116	e130	2,060	134	65	44	41	74
5	78	253	146	265	118	e125	721	127	64	49	37	62
6	101	164	133	231	121	e140	e460	118	61	47	35	49
7	108	129	149	283	133	232	e340	113	59	43	35	43
8	90	113	187	224	249	519	e270	107	56	79	36	42
9	83	106	140	190	370	380	228	104	53	103	36	43
10	78	101	256	197	312	274	194	102	62	71	35	40
11	73	97	611	208	e240	e190	163	99	66	61	34	36
12	73	95	458	273	e220	e170	151	94	240	51	36	35
13	72	91	308	530	e180	e160	141	90	181	50	40	34
14	77	88	234	697	e190	e140	110	109	286	56	75	33
15	117	87	187	455	484	e130	89	184	136	64	48	33
16	114	85	164	247	673	e145	86	118	123	120	41	497
17	99	83	151	e180	476	e140	93	102	127	152	38	375
18	93	83	133	e140	313	e170	110	99	134	97	37	143
19	86	83	129	e145	e210	e160	112	93	101	74	37	96
20	93	88	e95	e145	e190	e190	136	88	81	57	58	88
21	113	103	e100	e125	e180	255	200	84	72	54	116	74
22	99	94	108	e100	e180	337	168	88	69	53	51	63
23	89	86	293	e110	e170	368	469	91	64	51	42	60
24	82	168	314	e120	e150	289	764	100	59	49	39	57
25	84	251	e190	e125	e150	318	480	98	56	47	35	81
26	83	167	e135	e120	e140	284	299	86	52	56	34	210
27	83	127	e110	e115	e130	300	245	79	50	183	33	180
28	76	298	e95	e100	e130	357	198	80	50	101	47	101
29	73	273	e115	e100	---	366	167	74	63	66	e45	104
30	170	183	125	e110	---	305	175	72	63	57	e200	83
31	132	---	192	e100	---	255	---	69	---	54	e800	---
Total	2,839	4,073	6,288	6,573	6,134	7,239	12,090	3,281	2,694	2,136	2,278	3,260
Mean	91.6	136	203	212	219	234	403	106	89.8	68.9	73.5	109
Max	170	298	611	697	673	519	2,480	186	286	183	800	497
Min	72	83	95	100	95	125	86	69	50	43	33	33
Cfsm	0.68	1.01	1.51	1.58	1.63	1.74	3.00	0.79	0.67	0.51	0.55	0.81
In.	0.79	1.13	1.74	1.82	1.70	2.01	3.35	0.91	0.75	0.59	0.63	0.90

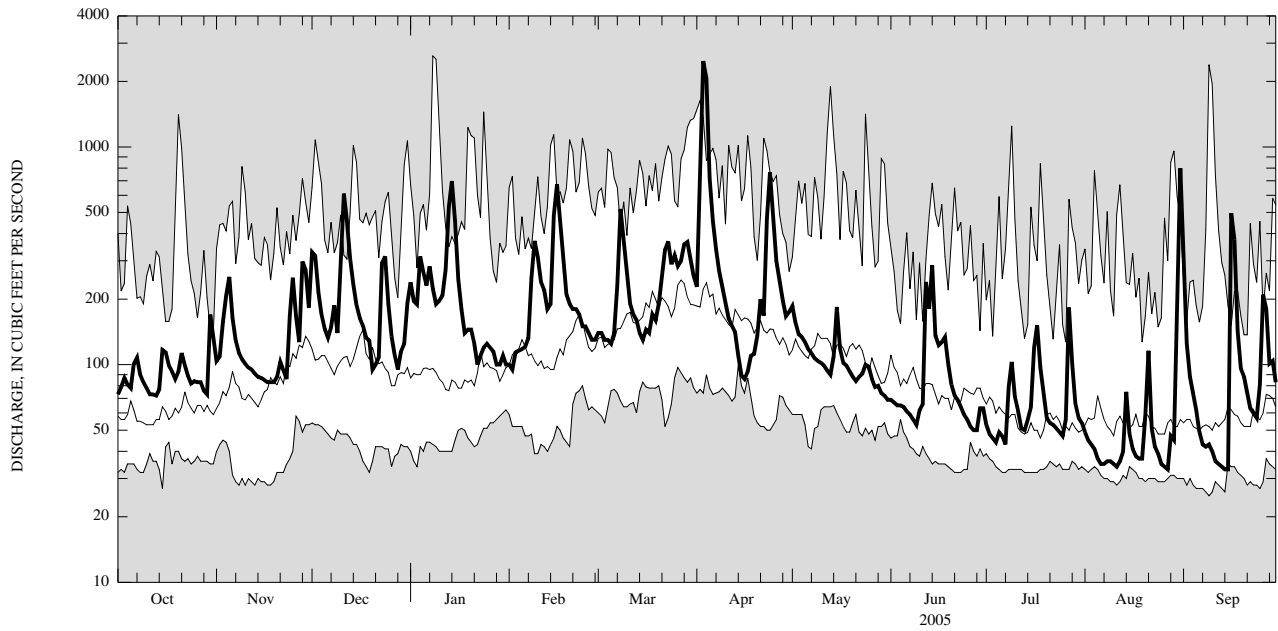
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	84.4	115	141	142	171	226	232	152	100	75.5	79.4	81.6
Max	191	224	253	446	347	348	468	292	186	194	253	305
(WY)	(1997)	(1986)	(1997)	(1998)	(1981)	(1993)	(1993)	(1984)	(1989)	(1998)	(1992)	(2004)
Min	39.5	52.3	49.5	60.8	67.1	122	82.8	62.1	46.9	42.2	35.8	39.8
(WY)	(1983)	(2002)	(1990)	(1989)	(1989)	(1988)	(1995)	(1995)	(1988)	(1983)	(2002)	(1995)

0423205010 IRONDEQUOIT CREEK ABOVE BLOSSOM ROAD, ROCHESTER, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1981 - 2005	
Annual total	66,095		58,885			
Annual mean	181		161		134	
Highest annual mean					183	2004
Lowest annual mean					80.1	1995
Highest daily mean	2,390	Sep 9	2,480	Apr 3	2,620	Jan 8, 1998
Lowest daily mean	58	Aug 27	33	Aug 27	25	Sep 9, 2002
Annual seven-day minimum	71	Aug 22	35	Aug 6	27	Sep 4, 2002
Annual runoff (cfsm)	1.35		1.20		0.999	
Annual runoff (inches)	18.32		16.32		13.57	
10 percent exceeds	314		306		263	
50 percent exceeds	125		110		90	
90 percent exceeds	80		47		45	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

0423205010 IRONDEQUOIT CREEK ABOVE BLOSSOM ROAD, ROCHESTER, NY—Continued

WATER-QUALITY RECORDS

COOPERATION.--Discharge measurements were provided by the Monroe County Environmental Health Laboratory at Rochester, N.Y.

PERIOD OF RECORD.--Water years 1980-81, 1983 to current year.

CHEMICAL DATA: Water years 1980-81, 1983 to current year (e).

NUTRIENT DATA: Water years 1980-81, 1983 to current year (e).

PERIOD OF DAILY RECORD.-- WATER TEMPERATURES: November 1994 to September 2001.

INSTRUMENTATION.--Automatic water sampler since October 1983. Water temperature recorder since November 1994 provides 15-minute-interval readings.

REMARKS.--Records for October 1983 to September 1993 are published in "Water Resources of Monroe County New York, Water Years 1984-88", U.S. Geological Survey Open-File Report 93-370 and in "Water Resources of Monroe County New York, Water Years 1989-93", U.S. Geological Survey Open-File Report 97-587. Prior to October 1983, unpublished records are available in the files of the U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.-- WATER TEMPERATURES: Maximum, 27.0°C, July 5,6, 1999; minimum 0.0°C, many days during winter period.

EXTREMES FOR CURRENT YEAR.-- WATER TEMPERATURES: Maximum, 27.0°C, July 5,6; minimum 0.0°C, on many days during winter period.

0423205010 IRONDEQUOIT CREEK ABOVE BLOSSOM ROAD, ROCHESTER, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	16.0	14.0	15.0	12.0	10.5	11.5	7.0	6.0	6.5	5.5	4.0	4.5
2	15.5	14.5	15.0	11.5	10.5	10.5	6.0	5.5	5.5	5.0	3.5	4.0
3	15.0	13.5	14.0	11.0	9.0	10.0	5.5	4.0	5.0	5.5	5.0	5.0
4	14.0	13.0	13.5	9.0	7.5	8.0	4.5	3.5	4.0	5.5	4.5	5.0
5	13.0	12.0	12.5	8.0	7.5	7.5	5.0	4.0	4.5	4.5	3.0	4.0
6	14.5	11.0	12.5	8.5	7.5	8.0	4.0	3.0	3.5	3.0	2.5	3.0
7	15.0	13.0	14.0	10.0	8.5	9.0	5.5	3.0	4.0	3.0	2.5	2.5
8	15.0	13.5	14.5	9.0	7.5	8.5	6.5	5.5	6.0	2.5	2.0	2.5
9	15.0	14.0	14.5	7.5	5.5	6.5	6.0	5.5	6.0	3.5	2.5	3.0
10	14.0	12.5	13.0	7.0	5.0	6.0	6.5	6.0	6.5	4.0	3.0	3.5
11	12.5	11.5	12.0	7.5	6.5	7.0	6.5	5.5	6.0	3.5	3.0	3.5
12	12.0	10.5	11.5	6.5	5.5	6.0	5.5	5.0	5.5	4.0	3.0	3.5
13	12.0	10.0	11.0	5.5	4.0	5.0	5.5	5.0	5.0	5.5	4.0	4.5
14	12.0	11.5	11.5	5.0	3.5	4.0	5.0	3.5	4.0	5.5	3.0	4.5
15	13.0	12.0	12.5	5.5	4.0	4.5	3.5	3.0	3.5	3.0	1.5	2.0
16	12.5	11.0	12.0	6.5	5.0	5.5	3.5	3.0	3.5	2.0	1.5	2.0
17	11.0	10.0	10.5	7.5	5.5	6.5	4.0	3.0	3.5	2.0	1.0	1.5
18	10.5	9.5	10.0	9.0	7.5	8.5	3.5	2.5	3.0	1.0	0.5	1.0
19	10.0	10.0	10.0	10.0	9.0	9.0	4.0	1.5	3.0	1.0	1.0	1.0
20	10.5	10.0	10.5	9.5	8.5	9.0	1.5	1.0	1.0	1.0	1.0	1.0
21	11.0	10.5	11.0	10.0	9.0	9.5	1.5	1.5	1.5	1.0	1.0	1.0
22	11.5	10.5	11.0	9.0	8.0	8.5	2.5	1.5	2.0	1.0	0.5	1.0
23	11.0	9.5	10.0	8.0	6.5	7.5	3.5	2.5	3.0	1.0	0.5	1.0
24	10.5	10.0	10.0	9.5	7.5	8.5	2.5	1.0	1.5	1.0	0.5	1.0
25	11.5	10.5	11.0	9.0	6.5	8.0	1.5	1.0	1.0	1.0	1.0	1.0
26	12.5	11.0	11.5	6.5	5.5	5.5	2.0	1.0	1.5	1.0	0.5	1.0
27	12.0	11.0	11.5	6.0	5.0	5.5	1.5	1.0	1.5	1.0	0.5	1.0
28	11.0	9.5	10.5	8.0	6.0	7.0	1.5	1.0	1.5	1.0	0.5	1.0
29	11.0	9.5	10.5	7.0	6.0	6.5	3.0	1.5	2.0	1.0	0.5	0.5
30	14.0	11.0	13.0	6.5	5.5	6.0	4.0	2.5	3.5	1.0	0.5	1.0
31	13.5	12.0	13.0	---	---	---	5.0	4.0	4.5	1.0	0.5	1.0
Month	16.0	9.5	12.0	12.0	3.5	7.4	7.0	1.0	3.6	5.5	0.5	2.3

0423205010 IRONDEQUOIT CREEK ABOVE BLOSSOM ROAD, ROCHESTER, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	1.0	0.5	0.5	2.0	1.0	1.5	10.0	7.5	8.5	11.5	9.0	10.0
2	1.0	0.5	0.5	2.0	1.0	1.5	9.0	5.0	7.0	11.0	9.5	10.0
3	1.5	0.5	1.0	2.5	0.5	1.0	5.0	4.5	4.5	10.0	9.0	9.5
4	1.5	1.0	1.0	3.0	0.5	1.5	6.5	4.0	5.0	10.0	8.5	9.0
5	1.5	0.5	1.0	3.0	0.5	1.5	8.5	5.5	7.0	11.5	8.0	9.5
6	2.0	0.5	1.0	2.5	1.5	2.0	10.0	7.5	8.5	14.0	9.0	11.5
7	3.0	1.5	2.5	4.5	2.0	3.0	9.5	9.0	9.0	15.0	11.0	13.0
8	2.5	2.0	2.5	3.5	0.5	1.5	11.0	7.5	9.0	15.5	11.0	13.5
9	2.0	1.0	1.5	1.0	0.5	1.0	11.5	8.0	10.0	16.5	12.0	14.0
10	1.0	1.0	1.0	2.0	0.5	1.0	12.0	8.5	10.0	18.0	13.0	15.5
11	1.5	0.5	1.0	2.5	1.0	1.5	11.5	9.0	10.0	18.5	15.5	17.0
12	2.0	1.0	1.5	3.5	1.0	2.5	11.0	7.5	9.0	16.5	13.0	14.5
13	2.0	1.0	1.5	3.0	2.0	2.5	11.0	7.0	9.0	14.5	11.0	13.0
14	2.5	1.0	1.5	3.0	1.5	2.0	11.5	7.5	9.5	15.5	12.5	14.0
15	3.0	2.0	2.5	4.0	1.5	2.5	12.0	8.0	10.0	17.0	14.5	15.5
16	2.0	1.0	1.5	4.0	2.0	3.0	13.0	8.0	10.5	15.0	12.5	14.0
17	2.0	1.0	1.5	4.5	2.0	3.0	13.0	9.0	11.5	13.0	11.0	12.0
18	1.5	0.5	1.0	4.0	2.5	3.5	14.5	10.5	12.5	15.0	11.0	13.0
19	1.5	0.5	1.0	4.5	2.0	3.0	16.0	11.5	13.5	15.0	11.5	13.5
20	2.0	0.5	1.0	4.0	3.5	3.5	14.5	12.5	14.0	16.5	12.5	14.5
21	2.0	0.5	1.5	5.0	3.0	4.0	13.5	11.5	12.0	16.5	13.0	15.0
22	3.0	2.0	2.5	5.0	2.5	4.0	13.0	10.5	11.5	15.0	13.5	14.0
23	3.0	1.5	2.0	4.0	2.5	3.5	11.5	10.5	11.0	14.0	12.5	13.0
24	2.0	0.5	1.0	4.5	2.0	3.0	10.5	9.0	10.0	13.5	12.5	13.0
25	2.0	0.5	1.0	4.5	3.5	4.0	9.0	8.0	8.5	16.0	12.0	14.0
26	2.5	1.0	1.5	5.0	2.5	4.0	10.0	8.0	9.0	17.0	13.0	15.0
27	2.5	1.0	1.5	6.0	3.5	5.0	12.5	10.0	11.0	16.5	14.0	15.0
28	2.5	1.0	2.0	5.5	5.0	5.5	12.0	10.0	11.0	15.5	14.0	15.0
29	---	---	---	6.0	5.0	5.5	12.0	9.0	10.5	16.0	13.5	14.5
30	---	---	---	6.5	4.5	5.5	10.5	10.0	10.0	16.5	13.5	15.0
31	---	---	---	8.0	6.0	7.0	---	---	---	18.0	14.0	16.0
Month	3.0	0.5	1.4	8.0	0.5	3.0	16.0	4.0	9.8	18.5	8.0	13.4

0423205010 IRONDEQUOIT CREEK ABOVE BLOSSOM ROAD, ROCHESTER, NY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	19.0	15.0	17.0	22.5	20.5	21.5	22.0	19.5	20.5	---	---	---
2	19.0	16.0	17.5	21.5	19.0	20.0	23.0	20.0	21.5	---	---	---
3	19.0	16.5	18.0	21.5	17.5	19.5	23.5	20.5	22.0	20.0	18.5	19.0
4	18.0	17.5	17.5	22.5	19.0	21.0	24.0	21.0	22.5	19.5	18.0	18.5
5	20.5	16.5	18.5	23.0	20.5	21.5	23.5	21.5	22.5	19.0	16.5	17.5
6	21.0	18.5	19.5	22.0	20.5	21.0	22.5	19.5	21.0	19.0	16.5	17.5
7	22.0	18.5	20.5	22.0	19.0	20.5	22.5	19.0	20.5	19.5	16.5	18.0
8	22.5	19.0	21.0	20.0	19.0	19.5	21.5	19.0	20.5	18.0	17.0	17.5
9	22.5	19.5	21.0	20.0	18.5	19.5	23.0	19.5	21.5	18.5	16.5	17.5
10	22.5	20.5	21.5	22.0	18.5	20.0	23.0	20.0	21.5	17.5	15.5	16.5
11	23.0	20.5	21.5	23.0	19.5	21.0	23.0	20.5	22.0	17.0	14.5	16.0
12	24.0	21.5	22.5	24.0	21.0	22.0	21.5	20.0	21.0	18.5	15.5	17.0
13	24.0	22.5	23.5	24.5	21.5	23.0	22.0	20.5	21.0	19.5	16.5	18.0
14	24.0	22.5	23.0	24.5	22.0	23.0	21.0	19.5	20.5	20.0	17.0	18.5
15	23.5	22.0	23.0	24.0	22.0	23.0	21.0	18.5	20.0	19.5	18.0	18.5
16	22.0	18.5	20.0	24.5	21.5	22.5	21.5	18.5	20.0	19.0	17.0	18.0
17	18.5	17.0	17.5	24.5	22.5	23.5	21.0	18.5	20.0	19.5	18.5	19.0
18	17.5	16.5	17.0	25.0	23.0	24.0	20.0	18.0	19.0	19.5	18.0	18.5
19	17.0	16.0	16.5	25.0	23.0	24.0	20.5	18.5	19.5	19.0	17.5	18.5
20	18.5	15.0	17.0	24.0	21.5	22.5	21.0	19.0	20.0	19.0	18.0	18.5
21	20.0	16.5	18.0	23.5	20.0	22.0	22.5	21.0	21.5	19.0	17.0	18.0
22	20.0	18.0	19.0	22.5	21.5	22.0	21.0	19.0	20.0	18.5	16.5	17.5
23	20.0	16.5	18.5	23.0	20.0	21.5	19.5	18.0	19.0	18.5	16.5	18.0
24	21.0	17.0	19.0	21.5	19.5	20.5	19.5	17.0	18.5	16.5	15.0	16.0
25	22.5	19.0	20.5	23.5	20.5	22.0	19.5	16.5	18.0	18.0	15.5	17.0
26	23.0	20.0	21.5	23.0	20.5	22.0	20.0	17.0	18.5	19.0	17.5	18.5
27	23.5	20.0	21.5	22.0	20.5	21.5	19.5	17.5	18.5	18.5	16.5	17.5
28	24.0	21.0	22.5	21.0	19.0	20.0	21.0	18.0	19.5	16.5	15.0	16.0
29	23.0	21.5	22.0	21.0	18.0	19.5	---	---	---	16.0	14.0	15.5
30	23.0	20.5	21.5	21.0	19.0	20.0	---	---	---	14.5	13.0	14.0
31	---	---	---	22.0	18.5	20.0	---	---	---	---	---	---
Month	24.0	15.0	19.9	25.0	17.5	21.4	---	---	---	---	---	---

0423205010 IRONDEQUOIT CREEK ABOVE BLOSSOM ROAD, ROCHESTER, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Part 1 of 2

[Remark codes: <, less than; M, presence verified but not quantified.]

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Alti- tude of land surface feet (72000)	Dis- charge, cfs (00060)	Drain- age area, mi2 (81024)	Chlor- ide, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Residue total at 105 deg. C, sus- pended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)
Oct 30- Nov 03	0155	83611	83611	247.87	134	142	116	114	32	.76	.051	.753	.028
Nov 03-10	1015	83611	83611	247.87	157	142	105	104	19	.58	.015	.591	.014
Nov 24-28	0500	83611	83611	247.87	179	142	121	100	23	.56	.042	.676	.011
Nov 28-30	0700	83611	83611	247.87	290	142	101	82.0	45	.70	.015	.624	.007
Nov 30- Dec 07	1045	83611	83611	247.87	209	142	101	83.4	63	.98	.014	.897	.018
Dec 10-16	0950	83611	83611	247.87	346	142	109	71.2	143	1.1	.021	.867	.026
Jan 12-17	0735	83611	83611	247.87	430	142	160	62.7	129	1.1	<.010	1.11	.020
Feb 07-14	0830	--	--	247.87	--	142	--	--	--	--	--	--	--
Feb 14-21	0925	83611	83611	247.87	382	142	216	--	85	.79	.033	1.29	.019
Mar 19-24	0910	83611	83611	247.87	274	142	188	--	49	1.1	<.010	1.08	.004
Mar 24-26	1005	83611	83611	247.87	301	142	202	--	35	.77	<.010	1.05	.008
Mar 31- Apr 02	1025	83611	83611	247.87	--	142	118	--	315	1.8	.015	.864	.007
Apr 05-05	1125	83611	83611	247.87	678	142	98.7	--	66	.69	.024	1.00	.017
Apr 08-13	1330	83611	83611	247.87	186	142	152	89.9	20	.67	.031	1.34	<.003
Apr 22-28	1355	83611	83611	247.87	416	142	115	63.0	76	.92	.062	.960	.009
Apr 28- May 04	1430	83611	83611	247.87	164	142	--	--	18	.64	.111	1.02	.012
Aug 31- Sep 07	0548	83611	83611	247.87	--	142	139	--	86	1.2	<.010	.873	.021

0423205010 IRONDEQUOIT CREEK ABOVE BLOSSOM ROAD, ROCHESTER, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Part 2 of 2

[Remark codes: <, less than; M, presence verified but not quantified.]

Date	Phos- phorus, water, unfltrd mg/L (00665)	Cadmium water, unfltrd ug/L (01027)	Copper, water, unfltrd recover -able, ug/L (01042)	Lead, water, unfltrd recover -able, ug/L (01051)	Zinc, water, unfltrd recover -able, ug/L (01092)
Oct 30-					
Nov 03	.109	--	.0098	.0031	.0140
Nov 03-10	.056	--	.0174	.0024	.0220
Nov 24-28	.069	--	.0160	.0013	.0110
Nov 28-30	.095	--	.0122	.0022	.0210
Nov 30-					
Dec 07	.180	--	.0146	.0038	.0280
Dec 10-16	.218	.0020	.0142	.0046	.0270
Jan 12-17	.333	--	.0956	.0113	.0790
Feb 07-14	--	--	--	--	--
Feb 14-21	.188	--	.0190	.0048	.0300
Mar 19-24	.098	--	.0121	.0023	.0180
Mar 24-26	.081	--	.0089	.0020	.0110
Mar 31-					
Apr 02	.542	.0005	.0798	.0185	.0970
Apr 05-05	.157	.0001	.0053	.0030	.0180
Apr 08-13	.063	.0001	.0201	.0010	.0070
Apr 22-28	.134	.0002	.0196	.0024	.0170
Apr 28-					
May 04	.074	.0001	.0135	.0012	.0090
Aug 31-					
Sep 07	.233	M	M	M	M

0423205025 IRONDEQUOIT CREEK AT EMPIRE BOULEVARD, ROCHESTER, NY

Irondequoit - Ninemile Watershed

LOCATION.--Lat 43°10'33", long 77°31'35" referenced to North American Datum of 1927, Monroe County, Hydrologic Unit 04140101, on right bank 25 ft upstream from bridge on Empire Boulevard (Route 404), 200 ft upstream from mouth at south end of Irondequoit Bay, and 1.5 mi east of Rochester.

DRAINAGE AREA.--151 mi², flow from 7.78 mi² noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1990 to current year. Prior to January 2003, daily mean discharge only published.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 242.66 ft above NGVD of 1929 (levels by Corps of Engineers).

REMARKS.--Records affected by backwater from Irondequoit Bay. Unpublished gage-height record for March 1989 to December 2002 is available in files of U.S. Geological Survey. Unpublished water-quality records are available in files of Monroe County Department of Health. Telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 6.64 ft, Apr. 23, 1993 (backwater from Irondequoit Bay); minimum gage height, 2.28 ft, Nov. 25, 2001.

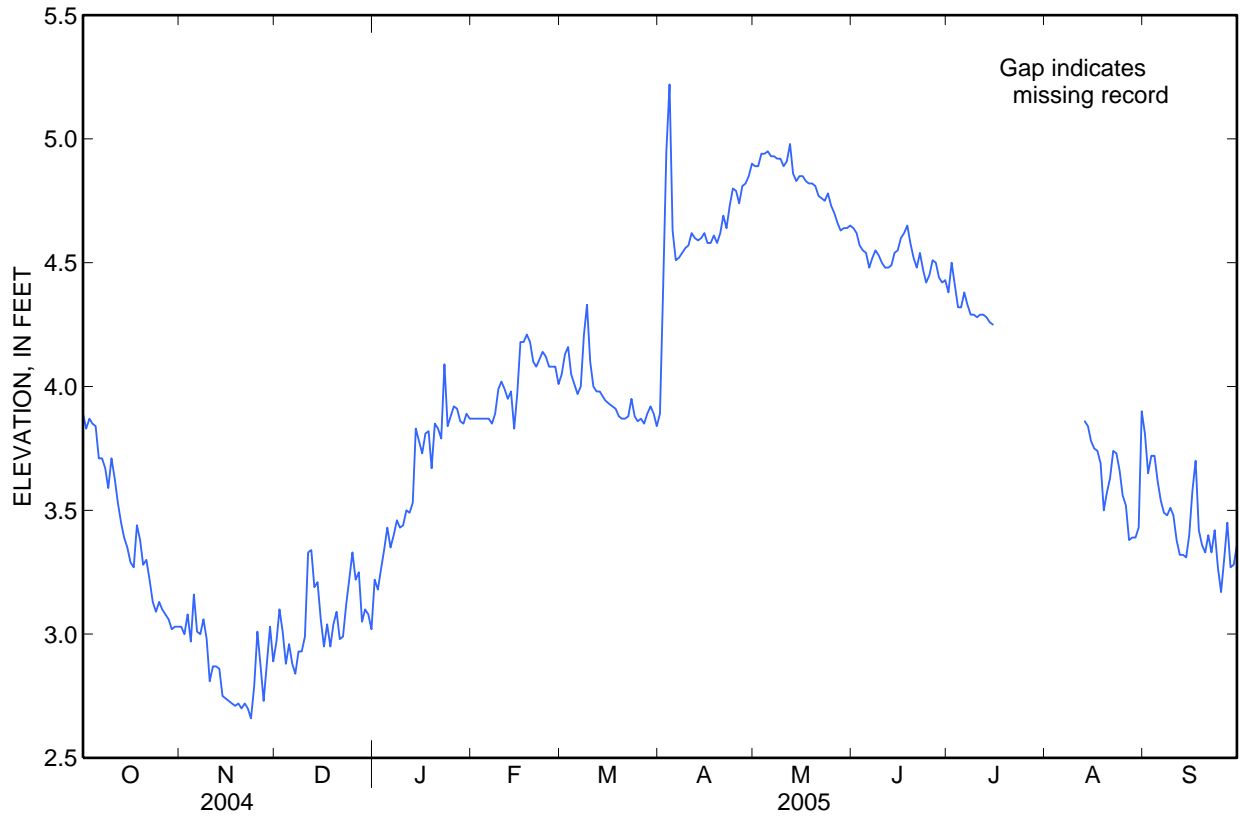
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 5.43 ft, Apr 4; minimum gage height, 2.64 ft, Nov 23, 24.

0423205025 IRONDEQUOIT CREEK AT EMPIRE BOULEVARD, ROCHESTER, NY—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3.89	3.03	2.97	3.22	3.87	4.05	3.89	4.89	4.64	4.38	---	3.81
2	3.83	3.00	3.10	3.18	3.87	4.13	4.40	4.89	4.62	4.50	---	3.65
3	3.87	3.08	3.01	3.26	3.87	4.16	4.95	4.94	4.57	4.41	---	3.72
4	3.85	2.97	2.88	3.34	3.87	4.05	5.22	4.94	4.55	4.32	---	3.72
5	3.84	3.16	2.96	3.43	3.87	4.01	4.63	4.95	4.54	4.32	---	3.62
6	3.71	3.01	2.88	3.35	3.87	3.97	4.51	4.93	4.48	4.38	---	3.54
7	3.71	3.00	2.84	3.40	3.85	4.00	4.52	4.93	4.52	4.33	---	3.49
8	3.67	3.06	2.93	3.46	3.89	4.21	4.54	4.92	4.55	4.29	---	3.48
9	3.59	2.98	2.93	3.43	3.99	4.33	4.56	4.92	4.53	4.29	---	3.51
10	3.71	2.81	2.99	3.44	4.02	4.10	4.57	4.89	4.50	4.28	---	3.48
11	3.63	2.87	3.33	3.50	3.99	4.00	4.62	4.91	4.48	4.29	---	3.38
12	3.53	2.87	3.34	3.49	3.95	3.98	4.60	4.98	4.48	4.29	---	3.32
13	3.45	2.86	3.19	3.53	3.98	3.98	4.59	4.86	4.49	4.28	3.86	3.32
14	3.39	2.75	3.21	3.83	3.83	3.96	4.60	4.83	4.54	4.26	3.84	3.31
15	3.35	2.74	3.06	3.78	3.97	3.94	4.62	4.85	4.55	4.25	3.78	3.40
16	3.29	2.73	2.95	3.73	4.18	3.93	4.58	4.85	4.60	---	3.75	3.58
17	3.27	2.72	3.04	3.81	4.18	3.92	4.58	4.83	4.62	---	3.74	3.70
18	3.44	2.71	2.95	3.82	4.21	3.91	4.61	4.82	4.65	---	3.69	3.42
19	3.38	2.72	3.04	3.67	4.18	3.88	4.58	4.82	4.58	---	3.50	3.36
20	3.28	2.70	3.09	3.85	4.10	3.87	4.62	4.81	4.52	---	3.57	3.33
21	3.30	2.72	2.98	3.83	4.08	3.87	4.69	4.77	4.48	---	3.63	3.40
22	3.22	2.70	2.99	3.79	4.11	3.88	4.64	4.76	4.54	---	3.74	3.33
23	3.13	2.66	3.12	4.09	4.14	3.95	4.73	4.75	4.47	---	3.73	3.42
24	3.09	2.79	3.22	3.84	4.12	3.88	4.80	4.78	4.42	---	3.66	3.27
25	3.13	3.01	3.33	3.88	4.08	3.86	4.79	4.73	4.45	---	3.56	3.17
26	3.10	2.87	3.22	3.92	4.08	3.87	4.74	4.70	4.51	---	3.52	3.30
27	3.08	2.73	3.25	3.91	4.08	3.85	4.81	4.66	4.50	---	3.38	3.45
28	3.06	2.88	3.05	3.86	4.01	3.89	4.82	4.63	4.44	---	3.39	3.27
29	3.02	3.03	3.10	3.85	---	3.92	4.85	4.64	4.42	---	3.39	3.28
30	3.03	2.89	3.08	3.89	---	3.89	4.90	4.64	4.43	---	3.43	3.36
31	3.03	---	3.02	3.87	---	3.84	---	4.65	---	---	3.90	---
Mean	3.42	2.87	3.07	3.65	4.01	3.97	4.65	4.82	4.52	---	---	3.45
Max	3.89	3.16	3.34	4.09	4.21	4.33	5.22	4.98	4.65	---	---	3.81
Min	3.02	2.66	2.84	3.18	3.83	3.84	3.89	4.63	4.42	---	---	3.17

0423205025 IRONDEQUOIT CREEK AT EMPIRE BOULEVARD, ROCHESTER, NY—Continued



0423205025 IRONDEQUOIT CREEK AT EMPIRE BOULEVARD, ROCHESTER, NY—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1989 to current year.

CHEMICAL DATA: Water years 1989 to current year (e).

NUTRIENT DATA: Water years 1989 to current year (e).

PERIOD OF DAILY RECORD.-- WATER TEMPERATURES: November 1994 to September 2003.

INSTRUMENTATION.--Automatic water sampler since September 1989. Water-temperature recorder since November 1994 provided 15-minute-interval readings; since July 2000, provided 5-minute-interval readings.

REMARKS.--Records for October 1988 to September 1993 are published in "Water Resources of Monroe County New York, Water Years 1989-93", U.S. Geological Survey Open-File Report 97-587. Stream discharges were estimated based on comparison of records with Irondequoit Creek at Blossom Road.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum recorded, 29.0°C, July 15, 1995, Aug. 9, 2001; minimum recorded, 0°C, on many days during winter period.

0423205025 IRONDEQUOIT CREEK AT EMPIRE BOULEVARD, ROCHESTER, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

[Remark codes: <, less than; E, estimated; S, most probable value.]

Date	Time	End Time	Dis-charge, cfs (00060)	Chlor-ide, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Cadmium water, unfltrd ug/L (01027)	Copper, water, unfltrd recover-able, ug/L (01042)
Oct 30- Nov 03	0540	1039	E138	116	132	48	.61	.036	.191	.020	.103	--	.0153
Nov 03-10	1040	0940	E161	110	101	37	.70	.024	.699	.033	.134	--	.0139
Nov 24-28	0535	0635	E183	115	95.3	49	.82	.039	.701	.019	.153	--	.0163
Nov 28-30	0735	1035	E296	103	88.0	72	.88	.034	.636	.022	.210	--	.0169
Nov 30- Dec 07	1120	1020	E214	105	82.3	48	.76	.032	.838	.019	.139	--	.0136
Dec 10-16	0935	1034	E352	109	68.1	79	1.1	.013	.869	.029	.289	.0008	.0166
Jan 12-17	0745	1245	E437	147	56.9	113	.97	.029	1.00	.023	.253	--	.0206
Feb 08-14	2000	0859	E261	320	--	40	.62	.038	1.29	.014	.075	--	S.0
Feb 14-21	0905	0805	E388	225	--	54	.69	.027	1.29	.024	.142	--	.0116
Mar 19-24	0855	0955	E279	181	--	25	.59	.012	1.08	.005	.060	--	.0147
Mar 24-31	1035	0935	E321	151	--	30	1.0	<.010	.963	.006	.070	--	.0113
Mar 31- Apr 06	1045	1245	E1,100	109	--	127	.93	.014	.883	.013	.301	.0007	.0183
Apr 06-13	1355	0855	E239	172	83.2	86	.96	.057	1.34	.017	.149	.0012	.0155
Apr 22-28	1345	0945	E422	125	62.8	102	1.0	<.010	.933	.016	.225	.0017	.0140
Apr 28- May 04	1415	1115	E168	--	--	46	.59	<.025	.944	.013	.128	.0035	.0092
Sep 16-17	0810	1110	E651	85.3	--	296	1.6	.031	.363	.034	.580	.0004	.0120
Sep 17-21	1210	1010	E143	117	--	54	.70	.027	.544	.009	.121	.0001	.0037

0423205025 IRONDEQUOIT CREEK AT EMPIRE BOULEVARD, ROCHESTER, NY—Continued

Date	Lead, water, unfltrd recover -able, ug/L (01051)	Zinc, water, unfltrd recover -able, ug/L (01092)
Oct 30- Nov 03	.0031	.0170
Nov 03-10	.0034	.0270
Nov 24-28	.0027	.0160
Nov 28-30	.0044	.0240
Nov 30- Dec 07	.0026	.0160
Dec 10-16	.0073	.0320
Jan 12-17	.0073	.0390
Feb 08-14	S.0	S.0
Feb 14-21	.0040	.0200
Mar 19-24	.0015	.0090
Mar 24-31	.0016	.0100
Mar 31- Apr 06	.0080	.0430
Apr 06-13	.0066	.0310
Apr 22-28	.0067	.0320
Apr 28- May 04	.0029	.0190
Sep 16-17	.0186	.0680
Sep 17-21	.0039	.0170

Water-Data Report NY-2005

042320578 BEAR CREEK AT ONTARIO, NY

Irondequoit - Ninemile Watershed

LOCATION.--Lat 43°13'30", long 77°17'00" referenced to North American Datum of 1927, Wayne County, Hydrologic Unit 04140101, at culvert on New Street in the village of Ontario, 100 ft west of Furnaceville Road, and 4.0 mi upstream from mouth.

DRAINAGE AREA.--6.74 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Miscellaneous measurements--1971-72, annual maximum only--1975 to current year.

GAGE.--Crest-stage partial-record station. Elevation of gage is 420 ft above NGVD of 1929, from topographic map.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 238 ft³/s, Jan. 8, 1998, gage height, 13.38 ft.

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 3, 2005	123	---	12.25	---

04232200 CATHARINE CREEK AT MONTOUR FALLS, NY

Seneca Watershed

LOCATION.--Lat 42°19'42", long 76°50'39" referenced to North American Datum of 1927, Schuyler County, Hydrologic Unit 04140201, on left bank 12 ft downstream from bridge on Town Road, 0.4 mi south of village line of Montour Falls, and 0.6 mi upstream from diversion channel.

DRAINAGE AREA.--41.1 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Low-flow partial record--1955-62, 1964-66, 1970, continuous record--August 1975 to September 1977, annual maximum only--1987 to current year.

GAGE.--Crest-stage partial-record station. Elevation of gage is 490 ft above NGVD of 1929, from topographic map.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 4,700 ft³/s, Nov. 8, 1996, gage height, 8.48 ft.

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 3, 2005	1,590	---	6.54	---

Water-Data Report NY-2005

04232400 SENECA LAKE AT WATKINS GLEN, NY

Seneca Watershed

LOCATION.--Lat 42°23'00", long 76°52'05" referenced to North American Datum of 1927, Schuyler County, Hydrologic Unit 04140201, on east bank about 300 ft from lake on shorter of two boat slips at Watkins Glen.

DRAINAGE AREA.--704 mi².

WATER-STAGE RECORDS

PERIOD OF RECORD.--October 1956 to current year.

REVISED RECORDS.--WSP 2112: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (1.59 ft Barge Canal datum). To convert elevations to NAVD adjustment of 1988, subtract 0.62 ft. Prior to Oct. 1, 1975, at datum 438.41 ft higher.

REMARKS.--Area of water surface, 67.6 mi². Diversion from Susquehanna River basin enters lake through Keuka Lake Outlet at Dresden. Lake elevation regulated by taintor gates on Seneca River at Lock 4, Waterloo, for operation of Erie (Barge) Canal and power generation by New York State Electric and Gas Corp. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 448.95 ft, April 26, 27, 1993; minimum elevation, 442.64 ft, Mar. 14, 1978.

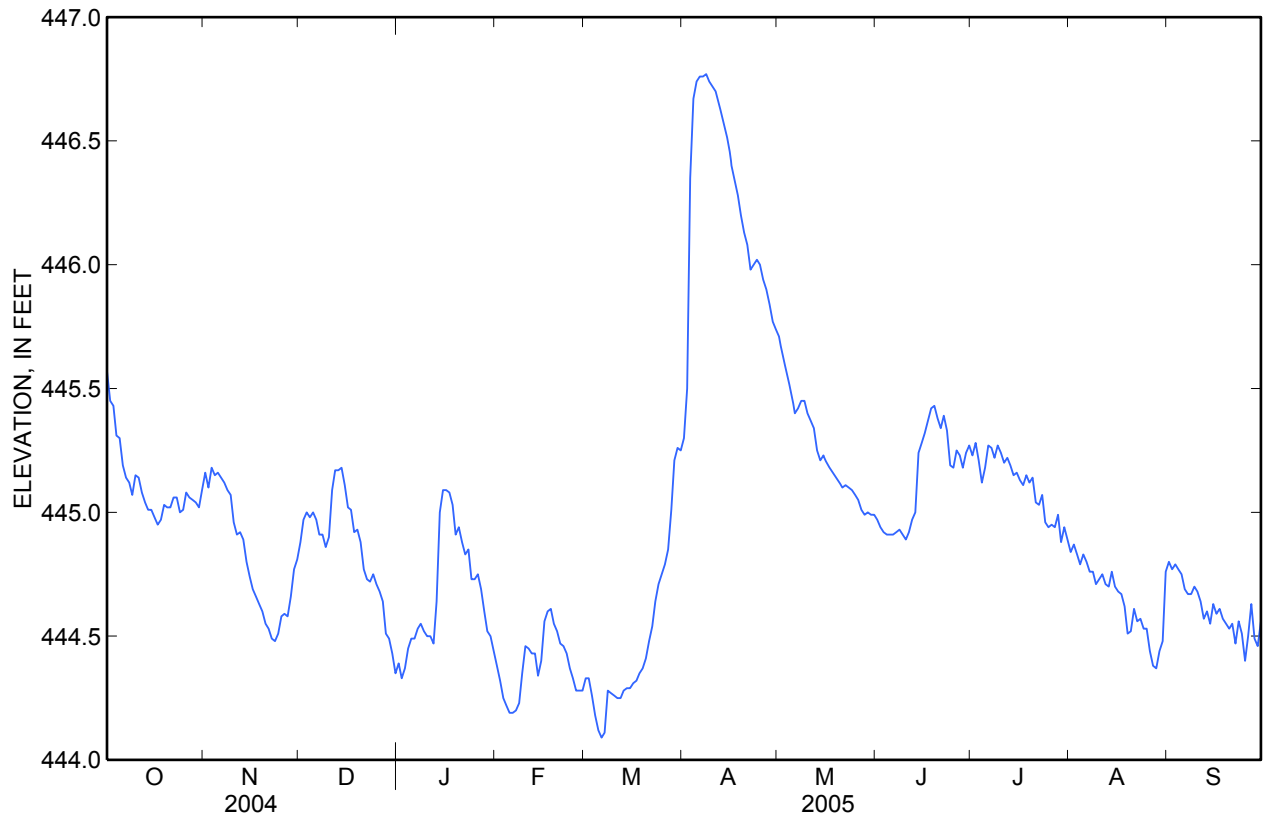
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 446.80 ft, Apr 7; minimum elevation, 444.06 ft, Mar 6.

04232400 SENECA LAKE AT WATKINS GLEN, NY—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	445.57	445.16	444.88	444.39	444.38	444.33	445.30	445.71	444.97	445.23	444.84	444.80
2	445.45	445.10	444.97	444.33	444.32	444.33	445.50	445.64	444.94	445.28	444.87	444.77
3	445.43	445.18	445.00	444.37	444.25	444.26	446.35	445.59	444.92	445.21	444.83	444.79
4	445.31	445.15	444.98	444.45	444.22	444.18	446.67	445.53	444.91	445.12	444.79	444.77
5	445.30	445.16	445.00	444.49	444.19	444.12	446.74	445.47	444.91	445.18	444.83	444.75
6	445.19	445.14	444.97	444.49	444.19	444.09	446.76	445.40	444.91	445.27	444.80	444.69
7	445.14	445.12	444.91	444.53	444.20	444.11	446.76	445.42	444.92	445.26	444.76	444.67
8	445.12	445.09	444.91	444.55	444.23	444.28	446.77	445.45	444.93	445.22	444.76	444.67
9	445.07	445.07	444.86	444.52	444.35	444.27	446.74	445.45	444.91	445.27	444.71	444.70
10	445.15	444.96	444.90	444.50	444.46	444.26	446.72	445.40	444.89	445.24	444.73	444.68
11	445.14	444.91	445.09	444.50	444.45	444.25	446.70	445.37	444.92	445.20	444.75	444.64
12	445.08	444.92	445.17	444.47	444.43	444.25	446.65	445.34	444.97	445.22	444.71	444.57
13	445.04	444.89	445.17	444.64	444.43	444.28	446.60	445.25	445.00	445.19	444.70	444.60
14	445.01	444.80	445.18	445.00	444.34	444.29	446.55	445.21	445.24	445.15	444.76	444.55
15	445.01	444.74	445.11	445.09	444.40	444.29	446.49	445.23	445.28	445.16	444.70	444.63
16	444.98	444.69	445.02	445.09	444.56	444.31	446.40	445.20	445.32	445.13	444.68	444.59
17	444.95	444.66	445.01	445.08	444.60	444.32	446.34	445.18	445.37	445.11	444.67	444.61
18	444.97	444.63	444.92	445.03	444.61	444.35	446.28	445.16	445.42	445.15	444.62	444.57
19	445.03	444.60	444.93	444.91	444.55	444.37	446.20	445.14	445.43	445.12	444.51	444.55
20	445.02	444.55	444.88	444.94	444.52	444.41	446.13	445.12	445.38	445.14	444.52	444.53
21	445.02	444.53	444.77	444.88	444.47	444.48	446.08	445.10	445.34	445.04	444.61	444.55
22	445.06	444.49	444.73	444.83	444.46	444.54	445.98	445.11	445.39	445.03	444.56	444.47
23	445.06	444.48	444.72	444.85	444.43	444.64	446.00	445.10	445.33	445.07	444.57	444.56
24	445.00	444.51	444.75	444.73	444.37	444.71	446.02	445.09	445.19	444.96	444.53	444.51
25	445.01	444.58	444.71	444.73	444.33	444.75	446.00	445.07	445.18	444.94	444.53	444.40
26	445.08	444.59	444.68	444.75	444.28	444.79	445.94	445.05	445.25	444.95	444.44	444.50
27	445.06	444.58	444.64	444.69	444.28	444.85	445.90	445.01	445.23	444.94	444.38	444.63
28	445.05	444.66	444.51	444.60	444.28	445.01	445.84	444.99	445.18	444.99	444.37	444.49
29	445.04	444.77	444.49	444.52	---	445.21	445.77	445.00	445.24	444.88	444.44	444.46
30	445.02	444.81	444.43	444.50	---	445.26	445.74	444.99	445.27	444.94	444.48	444.56
31	445.09	---	444.35	444.44	---	445.25	---	444.99	---	444.89	444.76	---
Mean	445.11	444.82	444.86	444.67	444.38	444.48	446.26	445.25	445.14	445.11	444.65	444.61
Max	445.57	445.18	445.18	445.09	444.61	445.26	446.77	445.71	445.43	445.28	444.87	444.80
Min	444.95	444.48	444.35	444.33	444.19	444.09	445.30	444.99	444.89	444.88	444.37	444.40

04232400 SENECA LAKE AT WATKINS GLEN, NY—Continued



04232482 KEUKA LAKE OUTLET AT DRESDEN, NY

Seneca Watershed

LOCATION.--Lat 42°40'49", long 76°57'15" referenced to North American Datum of 1927, Yates County, Hydrologic Unit 04140201, on right bank at upstream side of bridge on Milo Street in Dresden, and 0.4 mi upstream from mouth.

DRAINAGE AREA.--207 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1965 to current year.

REVISED RECORDS.--WDR NY-86-3: 1984 (P).

GAGE.--Water-stage recorder. Datum of gage is 445.35 ft above NGVD of 1929. Prior to Sept. 6, 1991 at datum 0.68 ft lower and prior to Oct. 1, 1982, at datum 1.32 ft higher.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Flow regulated by village of Penn Yan. During each year a large part of flow from 45.5 mi² of Mud Creek drainage area (Susquehanna River basin) is diverted into Keuka Lake (Oswego River basin) for power development.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,000 ft³/s, Jun. 22, 1972, gage height 8.37 ft, datum then in use, from rating curve extended above 730 ft³/s on basis of contracted-opening measurement at Mays Mill, adjusted for intervening area; minimum discharge, 3.2 ft³/s, part or all of each day, Sept. 6-10, 1982, gage height, 1.47 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,710 ft³/s, Apr 2, gage height, 7.33 ft; minimum discharge, 18 ft³/s, on several days, gage height, 1.45 ft.

04232482 KEUKA LAKE OUTLET AT DRESDEN, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	35	294	298	313	395	43	473	419	27	20	21	31
2	35	295	276	316	383	38	1,480	410	27	100	21	23
3	109	328	267	316	377	e38	1,680	402	27	31	21	22
4	34	315	259	389	367	e38	1,330	398	27	29	21	21
5	33	323	250	350	358	e38	1,360	297	120	33	20	21
6	33	308	245	368	353	e36	1,310	374	35	31	20	21
7	32	295	248	406	351	109	1,240	368	32	30	20	21
8	32	283	252	365	425	200	1,200	361	31	31	21	21
9	97	276	246	349	496	e68	1,160	356	31	37	21	21
10	102	274	340	349	448	e60	1,120	351	36	100	20	21
11	37	266	456	343	420	e54	1,080	187	34	27	20	21
12	36	257	343	441	410	46	1,050	e40	52	26	20	21
13	36	251	379	703	388	44	1,010	e39	284	26	20	21
14	37	248	418	779	388	e42	804	e38	506	26	20	21
15	39	245	404	594	657	e42	646	e38	543	26	19	21
16	39	241	400	554	535	43	630	e38	562	114	19	21
17	37	238	387	543	459	46	615	e36	543	95	19	21
18	150	293	378	517	421	47	598	e36	533	26	19	41
19	342	310	366	456	406	50	425	e35	500	25	19	26
20	340	229	350	501	386	62	199	e35	232	25	19	27
21	362	225	346	504	384	79	196	e34	34	25	19	26
22	255	221	337	500	376	83	197	e34	31	24	19	26
23	380	219	374	500	367	71	227	e33	28	24	18	26
24	381	220	369	496	358	63	255	e33	27	24	18	26
25	314	225	344	482	354	100	318	e33	90	24	18	27
26	307	218	333	465	348	113	437	36	80	24	18	34
27	304	214	322	455	338	101	424	34	19	25	18	29
28	300	287	322	452	270	263	420	34	18	24	19	26
29	297	262	314	448	---	424	413	98	30	24	19	30
30	316	248	309	429	---	347	422	e26	25	109	29	26
31	306	---	319	408	---	333	---	e26	---	119	72	---
Total	5,157	7,908	10,251	14,091	11,218	3,121	22,719	4,679	4,564	1,304	667	740
Mean	166	264	331	455	401	101	757	151	152	42.1	21.5	24.7
Max	381	328	456	779	657	424	1,680	419	562	119	72	41
Min	32	214	245	313	270	36	196	26	18	20	18	21

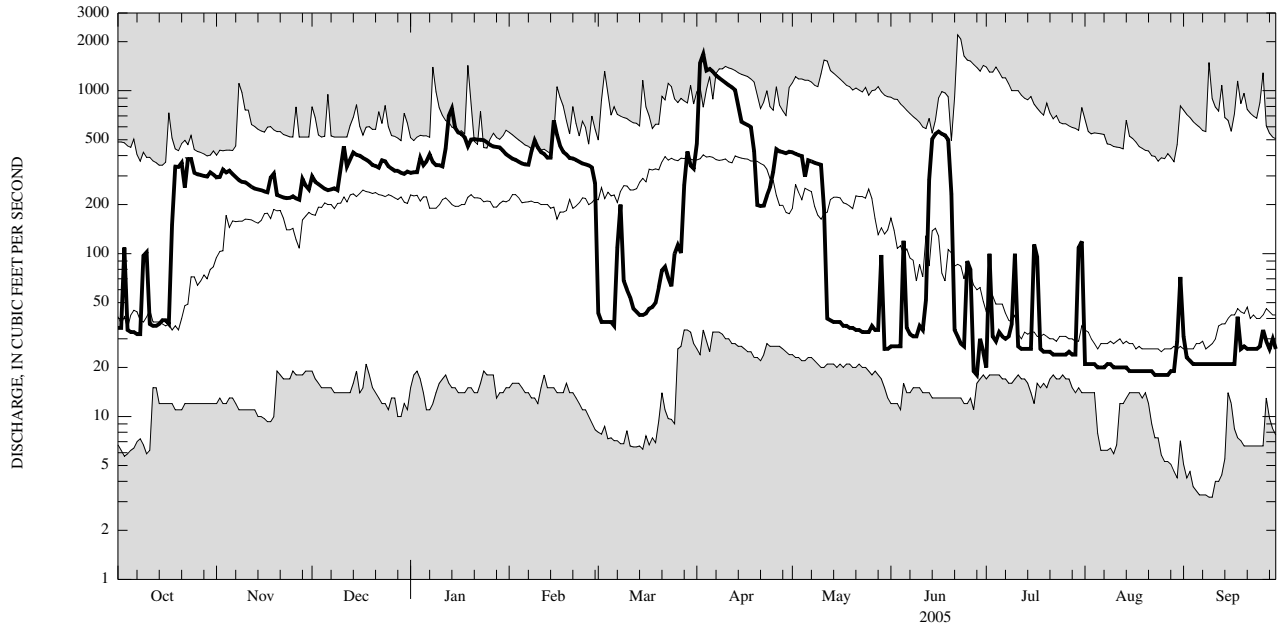
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	107	177	226	215	201	295	350	272	187	105	80.4	93.4
Max	404	534	532	523	421	601	831	1,003	676	892	450	642
(WY)	(1978)	(1978)	(1978)	(1998)	(1978)	(1976)	(2001)	(1996)	(1972)	(1972)	(1972)	(2004)
Min	14.6	14.5	14.6	18.3	19.2	31.8	34.9	22.2	17.2	21.1	13.7	7.14
(WY)	(1989)	(2002)	(2002)	(1966)	(1967)	(1989)	(1995)	(1988)	(1980)	(1985)	(1983)	(1982)

04232482 KEUKA LAKE OUTLET AT DRESDEN, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1965 - 2005	
Annual total	117,810		86,419			
Annual mean	322		237		194	
Highest annual mean					362	1978
Lowest annual mean					81.1	1981
Highest daily mean	1,490	Sep 9	1,680	Apr 3	2,200	Jun 22, 1972
Lowest daily mean	20	Aug 24	18	Jun 28	3.2	Sep 9, 1982
Annual seven-day minimum	26	Feb 10	18	Aug 21	3.4	Sep 4, 1982
10 percent exceeds	680		496		451	
50 percent exceeds	314		200		126	
90 percent exceeds	32		21		21	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04232630 KENDIG CREEK NEAR MACDOUGALL, NY

Seneca Watershed

LOCATION.--Lat 42°50'57", long 76°53'33" referenced to North American Datum of 1927, Seneca County, Hydrologic Unit 04140201, on the left bank at the downstream side of the bridge on County Highway 120, 3.0 mi north of MacDougall, 3.5 mi southwest of Waterloo, and 4.6 mi upstream from mouth.

DRAINAGE AREA.--13.8 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Continuous record--October 1964 to September 1968, annual maximum only--1969 to current year.

GAGE.-- Crest-stage partial-record station. Elevation of gage is 530 ft above NGVD of 1929, from topographic map.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,000 ft³/s, Jul. 31, 1992, gage height 6.32 ft. (previous datum). Maximum gage height 15.44 ft. Apr. 3, 2005.

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 3, 2005	661	---	15.44	---



Water-Data Report NY-2005

04233000 CAYUGA INLET NEAR ITHACA, NY

Seneca Watershed

LOCATION.--Lat 42°23'35", long 76°32'43" referenced to North American Datum of 1927, Tompkins County, Hydrologic Unit 04140201, on left bank 0.8 mi upstream from Enfield (formerly Butternut) Creek, and 5.0 mi south of Ithaca.

DRAINAGE AREA.--35.2 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1937 to current year. Prior to June 2005 at site 250 ft upstream at datum 3.00 ft higher.

REVISED RECORDS.--WSP 2112: Drainage area. WDR NY 1974: 1973.

GAGE.--Water-stage recorder. Datum of gage is 434.16 ft above NGVD of 1929 (levels by Corps of Engineers).

REMARKS.--Records fair, except those for estimated discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,800 ft³/s, Jun. 23, 1972, gage height, 8.10 ft, from rating curve extended above 1,600 ft³/s on basis of slope-area measurements at gage heights 5.5 ft and 7.58 ft; minimum discharge, 1.7 ft³/s, July 22, 1955.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 700 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 14	0600	852	3.25
Apr 02	2000	*2,390	*5.61

Minimum discharge, 3.0 ft³/s, Aug 24, 25, 26, 27, 28.

04233000 CAYUGA INLET NEAR ITHACA, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	31	25	172	47	e38	53	218	58	e18	11	7.4	25
2	30	24	104	44	e37	49	e600	55	e16	10	6.6	11
3	29	44	79	57	e36	51	e1,300	53	e15	9.2	5.6	7.4
4	27	41	63	87	e37	53	e420	50	e16	8.6	5.2	6.1
5	26	51	53	63	e36	54	e240	48	e14	9.8	5.0	5.5
6	24	38	44	69	e38	53	e166	45	e27	14	4.6	5.0
7	22	33	63	75	46	79	e124	e42	e22	11	4.5	4.6
8	21	30	63	71	121	140	108	e39	e16	12	4.4	4.5
9	20	29	46	67	182	90	90	e38	e14	15	4.7	4.4
10	20	29	124	68	198	82	81	e36	e20	11	4.4	4.3
11	20	28	126	66	134	80	76	e35	e23	8.3	4.2	e4.1
12	19	26	90	98	109	69	71	e33	e22	7.5	4.7	4.0
13	18	24	79	256	91	62	66	e31	e24	7.1	6.2	4.0
14	18	23	64	453	83	57	62	e31	e58	6.6	6.4	3.8
15	27	23	52	225	187	59	57	e35	e20	6.5	5.1	4.0
16	34	23	48	e130	181	56	54	e29	e30	6.6	4.6	4.4
17	27	23	45	e84	143	57	52	e27	31	7.3	4.2	4.9
18	24	22	41	e54	107	59	50	e24	35	7.4	4.0	4.7
19	56	21	40	e58	95	60	48	e24	24	6.5	4.0	4.4
20	42	22	37	e56	88	68	50	e24	20	5.8	3.8	4.8
21	40	21	56	e54	81	81	53	e24	18	5.7	4.2	4.5
22	41	20	38	e56	76	87	46	e24	16	6.9	3.8	4.1
23	33	18	89	e56	69	99	72	e24	15	6.9	3.7	4.6
24	30	23	58	e56	66	85	163	e26	13	5.6	3.7	4.7
25	29	75	50	e56	61	92	102	e25	12	5.1	3.5	6.4
26	28	46	43	e52	58	102	82	e22	11	5.6	e3.4	13
27	26	31	38	e50	56	116	72	e21	10	6.8	3.2	11
28	25	171	63	e46	54	405	67	e25	10	6.0	3.6	e6.7
29	24	92	39	e44	---	334	58	e27	20	5.2	3.8	8.8
30	29	71	39	e42	---	238	61	e23	13	4.7	15	e7.5
31	28	---	45	e40	---	234	---	e20	---	6.2	60	---
Total	868	1,147	1,991	2,680	2,508	3,204	4,709	1,018	603	245.9	207.5	192.2
Mean	28.0	38.2	64.2	86.5	89.6	103	157	32.8	20.1	7.93	6.69	6.41
Max	56	171	172	453	198	405	1,300	58	58	15	60	25
Min	18	18	37	40	36	49	46	20	10	4.7	3.2	3.8
Cfsm	0.80	1.09	1.82	2.46	2.54	2.94	4.46	0.93	0.57	0.23	0.19	0.18
In.	0.92	1.21	2.10	2.83	2.65	3.39	4.98	1.08	0.64	0.26	0.22	0.20

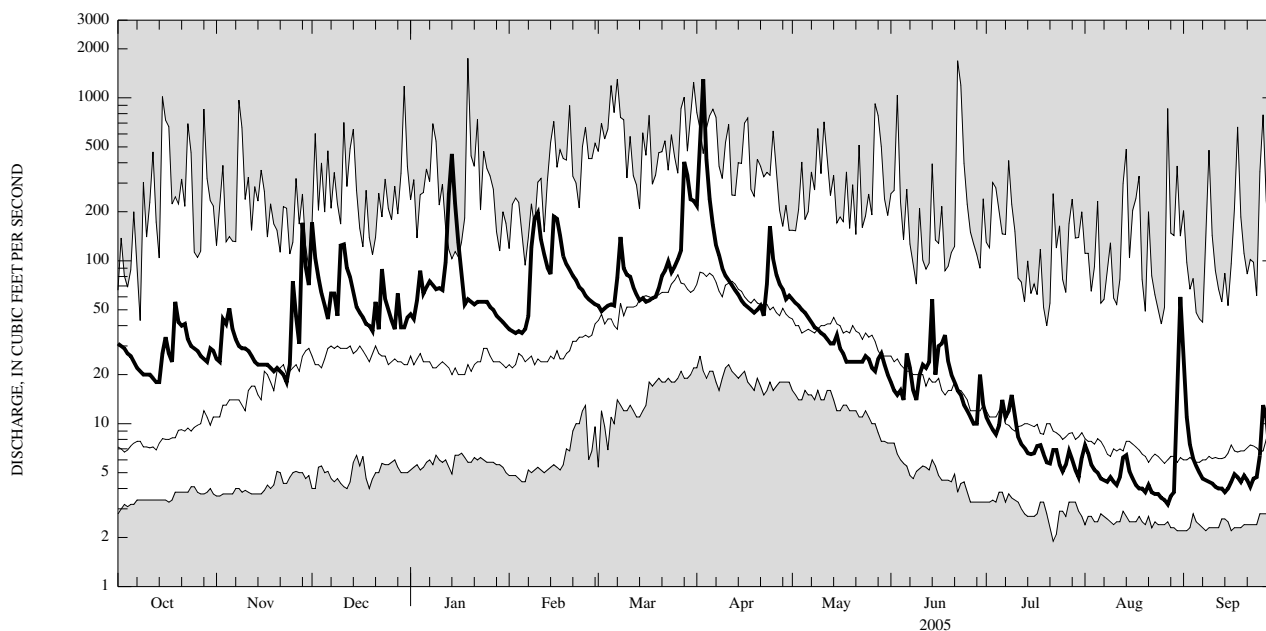
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	19.8	31.0	40.3	37.9	47.9	88.6	87.9	51.6	27.8	15.4	12.3	12.9
Max	106	112	118	131	113	182	310	132	162	57.4	66.2	104
(WY)	(1956)	(1997)	(1973)	(1998)	(1976)	(1945)	(1993)	(1984)	(1972)	(1972)	(1942)	(2004)
Min	3.76	4.56	6.09	6.32	11.8	25.0	21.8	15.7	5.47	3.77	3.24	2.98
(WY)	(1965)	(1965)	(1961)	(1961)	(1980)	(1965)	(1946)	(2001)	(1955)	(1955)	(1966)	(1964)

04233000 CAYUGA INLET NEAR ITHACA, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1937 - 2005	
Annual total	22,893		19,373.6			
Annual mean	62.5		53.1		39.3	
Highest annual mean					65.0	2004
Lowest annual mean					15.3	1965
Highest daily mean	663	Sep 18	1,300	Apr 3	1,750	Jan 19, 1996
Lowest daily mean	13	Jul 4	3.2	Aug 27	1.9	Jul 22, 1955
Annual seven-day minimum	15	Jun 30	3.6	Aug 22	2.2	Aug 28, 1939
Annual runoff (cfsm)	1.78		1.51		1.12	
Annual runoff (inches)	24.19		20.47		15.15	
10 percent exceeds	111		98		86	
50 percent exceeds	44		33		21	
90 percent exceeds	22		4.7		5.4	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04233255 CAYUGA INLET AT ITHACA, NY

Seneca Watershed

LOCATION.--Lat 42°25'38", long 76°31'19" referenced to North American Datum of 1927, Tompkins County, Hydrologic Unit 04140201, on left bank, on the upstream abutment face of flood-control weir, at east end of Burtt Place, 0.2 mi south of Ithaca city line, 0.3 mi east of State Highway 13A, 0.9 mi downstream from Buttermilk Creek, and 2.4 mi upstream from mouth.

DRAINAGE AREA.--86.7 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Annual maximum only--1971-72, 1975 to 2005 (discontinued).

GAGE.--Crest-stage partial-record station. Datum of gage is 379.97 ft above NGVD of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,500 ft³/s, Jan. 19, 1996, gage height, 14.67 ft.

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 3, 2005	6,200	e	---	g

Qualification codes:

e - estimated

g - none available

04233286 SIXMILE CREEK AT BROOKTONDALE, NY

Seneca Watershed

LOCATION.--Lat 42°22'53", long 76°23'41" referenced to North American Datum of 1927, Tompkins County, Hydrologic Unit 04140201, on left bank 1,000 ft upstream of bridge on Valley Road and 6.5 mi southeast of Ithaca.

DRAINAGE AREA.--27.0 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 2002 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 900 ft above NGVD of 1929, from topographic map.

COOPERATION.—Water-quality samples were collected and analyzed by the City of Ithaca Water Treatment Plant. Records of daily suspended sediment (mg/L) furnished by the City of Ithaca Water Treatment Plant.

REMARKS.--Records fair. Telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,100 ft³/s, Apr. 2, 2005, gage height, 5.20 ft, from rating curve extended above 810 ft³/s; minimum discharge, 3.7 ft³/s, Aug. 10, 11, 2005, gage height 0.22 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,100 ft³/s, Apr 2, gage height, 5.20 ft, from rating curve extended above 810 ft³/s; minimum discharge, 3.7 ft³/s, Aug 10, 11, gage height, 0.22 ft.

04233286 SIXMILE CREEK AT BROOKTONDALE, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	23	28	224	54	e28	57	388	43	14	12	10	22
2	24	30	125	48	e26	e38	1,340	38	13	10	10	11
3	23	55	103	70	24	e42	971	33	13	9.0	11	8.1
4	21	60	91	103	25	45	472	30	13	7.8	9.6	7.3
5	20	71	80	70	27	e46	343	26	13	12	7.6	6.8
6	18	48	67	77	27	45	275	25	22	15	6.2	6.1
7	16	44	93	80	31	e54	279	25	17	11	6.9	6.2
8	15	39	85	70	72	e80	237	24	14	14	6.3	6.3
9	16	39	69	62	94	e66	99	24	13	45	5.7	5.7
10	17	36	145	58	e80	e58	76	23	16	25	5.2	5.5
11	17	35	246	54	81	e55	71	22	19	17	4.4	5.3
12	17	33	150	96	70	e52	61	22	19	13	5.9	5.8
13	17	30	123	265	73	e52	54	20	23	12	8.7	6.3
14	18	27	99	441	75	51	51	16	40	12	8.9	6.0
15	25	27	89	e160	150	51	48	17	17	11	7.9	6.2
16	29	27	79	e70	166	50	43	18	27	12	6.4	6.3
17	19	25	71	e46	97	50	37	18	34	11	6.3	6.5
18	19	25	63	e30	86	50	31	19	54	9.7	7.2	6.1
19	40	25	59	e36	e68	51	29	17	23	9.3	7.4	5.5
20	28	25	e40	e34	e66	56	31	17	19	7.8	6.2	6.1
21	87	24	e35	e32	e58	62	37	18	17	7.7	6.8	5.7
22	57	21	e45	e35	77	72	31	18	14	18	6.9	5.9
23	36	20	e160	e38	69	79	55	18	13	16	6.7	5.7
24	32	38	e70	e42	64	72	182	19	12	11	6.4	5.8
25	29	124	e48	e44	62	73	63	19	11	10	6.7	7.1
26	25	67	e42	45	59	78	52	17	10	9.9	6.9	13
27	24	56	e40	e42	55	104	49	16	10	11	6.6	8.1
28	27	308	e40	e38	56	475	47	21	9.8	11	7.0	5.6
29	27	147	e52	e34	---	303	41	20	19	9.8	7.0	7.7
30	38	111	50	28	---	287	46	15	17	9.4	22	6.1
31	31	---	55	28	---	396	---	14	---	9.6	60	---
Total	835	1,645	2,738	2,330	1,866	3,050	5,539	672	555.8	399.0	290.8	215.8
Mean	26.9	54.8	88.3	75.2	66.6	98.4	185	21.7	18.5	12.9	9.38	7.19
Max	87	308	246	441	166	475	1,340	43	54	45	60	22
Min	15	20	35	28	24	38	29	14	9.8	7.7	4.4	5.3
Cfsm	1.00	2.03	3.27	2.78	2.47	3.64	6.84	0.80	0.69	0.48	0.35	0.27
In.	1.15	2.27	3.77	3.21	2.57	4.20	7.63	0.93	0.77	0.55	0.40	0.30

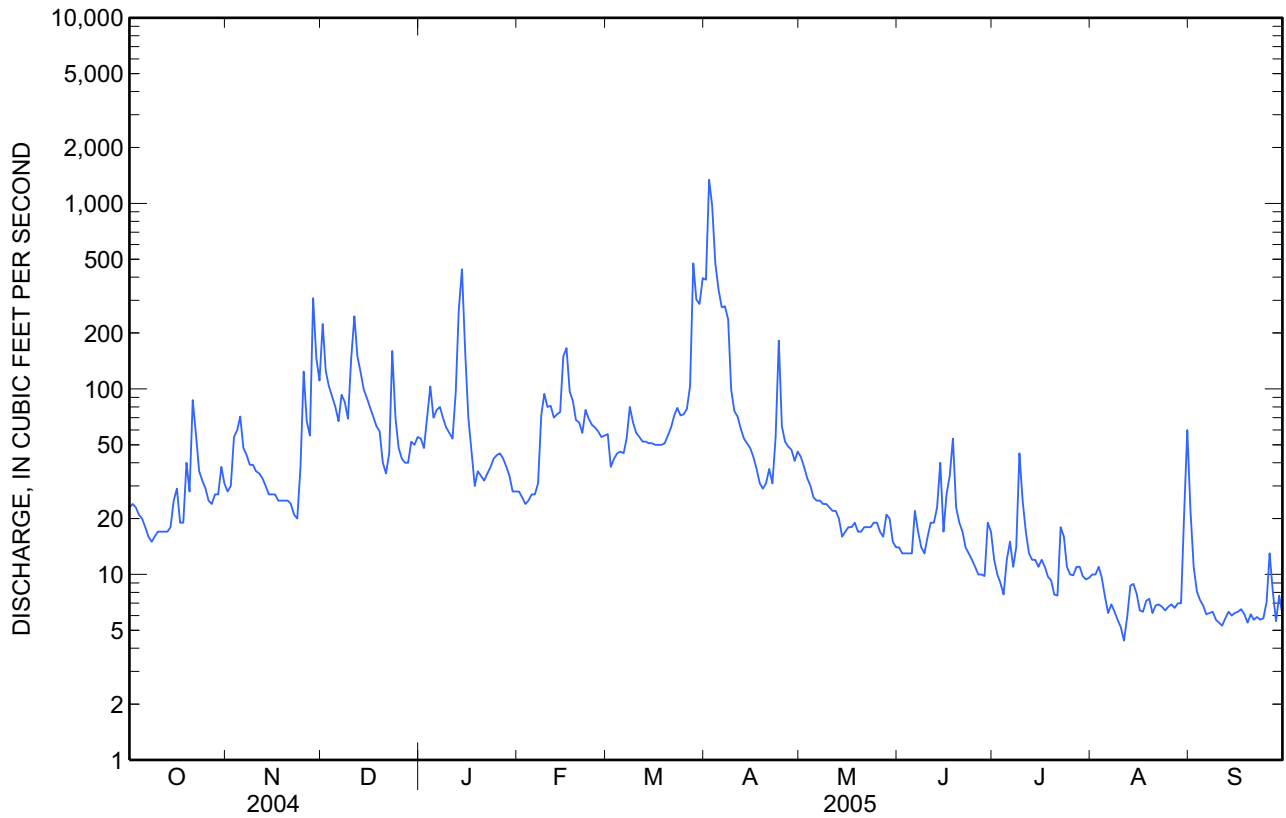
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	34.8	61.4	82.6	50.2	46.5	117	114	43.4	32.9	37.7	32.4	37.4
Max	42.7	67.9	115	75.2	66.6	132	185	69.6	49.4	56.5	62.5	78.8
(WY)	(2004)	(2004)	(2004)	(2005)	(2005)	(2003)	(2005)	(2004)	(2003)	(2004)	(2004)	(2004)
Min	26.9	54.8	44.4	34.6	21.6	98.4	72.6	21.7	18.5	12.9	9.38	7.19
(WY)	(2005)	(2005)	(2003)	(2003)	(2004)	(2005)	(2003)	(2005)	(2005)	(2005)	(2005)	(2005)

04233286 SIXMILE CREEK AT BROOKTONDALE, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 2003 - 2005	
Annual total	22,513		20,136.4			
Annual mean	61.5		55.2		60.7	
Highest annual mean					66.2	2004
Lowest annual mean					55.2	2005
Highest daily mean	468	Mar 5	1,340	Apr 2	1,340	Apr 2, 2005
Lowest daily mean	11	Jul 3	4.4	Aug 11	4.4	Aug 11, 2005
Annual seven-day minimum	12	Jun 30	5.8	Aug 6	5.8	Aug 6, 2005
Annual runoff (cfsm)	2.28		2.04		2.25	
Annual runoff (inches)	31.02		27.74		30.54	
10 percent exceeds	119		95		109	
50 percent exceeds	46		28		38	
90 percent exceeds	20		6.9		11	



04233286 SIXMILE CREEK AT BROOKTONDALE, NY—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2003 to current year.

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT CONCENTRATION: Water years 2003 to current year.

SUSPENDED-SEDIMENT DISCHARGE: Water years 2003 to current year.

CHEMICAL DATA: Water years 2003 to current year (b).

NUTRIENT DATA: Water years 2003 to current year (b).

INSTRUMENTATION.--Automatic water sampler since 1995.

COOPERATION.--Water-quality samples were collected and analyzed by personnel from the City of Ithaca Water Treatment Plant. Records of daily suspended sediment (mg/L) furnished by the City of Ithaca Water Treatment Plant.

EXTREMES FOR PERIOD OF RECORD.--

SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily mean, 1,080 mg/L, July 28, 2004; minimum daily mean, <1 mg/L, many days during the 2003, 2004, and 2005 water years.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily mean, 4,510 tons, Apr. 2, 2005; minimum daily mean, <0.01 tons, many days during the 2005 water year.

EXTREMES FOR PERIOD OF RECORD.--

SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily mean, 870 mg/L, Apr. 2; minimum daily mean, <1 mg/L, many days during the water year.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily mean, 4,510 tons, Apr. 2; minimum daily mean, <0.01 tons, many days during the water year.

04233286 SIXMILE CREEK AT BROOKTONDALE, NY—Continued

SUSPENDED-SEDIMENT
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Day	Mean concen- tration (mg/l)	Sediment discharge (tons/ day)	Mean concen- tration (mg/l)	Sediment discharge (tons/ day)	Mean concen- tration (mg/l)	Sediment discharge (tons/ day)	Mean concen- tration (mg/l)	Sediment discharge (tons/ day)	Mean concen- tration (mg/l)	Sediment discharge (tons/ day)	Mean concen- tration (mg/l)	Sediment discharge (tons/ day)
	October		November		December		January		February		March	
1	1	0.06	<1	0.03	75	54	7	0.97	6	0.44	2	0.34
2	1	0.06	3	0.32	15	5.0	7	0.84	7	0.47	2	0.19
3	1	0.05	6	1.1	6	1.8	18	3.9	9	0.62	2	0.28
4	1	0.04	9	2.1	4	1.1	9	2.7	12	0.85	3	0.40
5	1	0.03	6	1.3	3	0.65	5	0.99	13	0.96	4	0.46
6	<1	0.02	3	0.36	2	0.33	5	0.99	14	1.0	4	0.49
7	<1	0.02	2	0.21	2	0.51	4	0.94	14	1.2	5	0.66
8	1	0.04	1	0.09	2	0.55	4	0.68	14	2.7	7	1.4
9	1	0.04	<1	0.01	3	0.55	3	0.49	14	3.6	9	1.5
10	1	0.05	<1	0.02	42	28	2	0.38	16	3.5	6	0.92
11	1	0.05	<1	0.02	32	22	4	0.59	18	4.0	3	0.39
12	1	0.05	<1	0.01	17	6.9	21	8.2	6	1.2	2	0.31
13	1	0.04	<1	<0.01	11	3.7	176	139	5	0.97	2	0.30
14	1	0.05	<1	<0.01	6	1.6	244	364	5	0.97	2	0.29
15	4	0.34	<1	<0.01	6	1.3	28	12	16	6.4	2	0.23
16	3	0.25	<1	0.01	5	1.1	13	2.5	19	8.4	1	0.18
17	1	0.04	<1	0.01	3	0.57	12	1.5	16	4.2	1	0.18
18	1	0.04	<1	0.02	3	0.49	11	0.86	10	2.2	1	0.20
19	5	0.55	<1	0.02	4	0.56	9	0.89	3	0.61	2	0.29
20	2	0.22	<1	0.02	4	0.46	8	0.72	3	0.53	3	0.43
21	19	4.5	<1	0.02	5	0.46	7	0.60	3	0.41	3	0.58
22	6	1.1	<1	0.02	9	1.1	6	0.57	2	0.49	3	0.58
23	1	0.06	<1	0.02	446	193	5	0.54	2	0.44	2	0.50
24	<1	0.04	2	0.41	23	4.5	4	0.51	4	0.68	2	0.45
25	<1	0.03	330	112	10	1.3	4	0.47	3	0.54	3	0.63
26	<1	0.03	112	20	9	1.1	3	0.42	3	0.48	10	2.2
27	<1	0.02	131	20	9	0.92	3	0.32	3	0.42	26	8.2
28	<1	0.02	351	601	8	0.83	2	0.24	3	0.39	306	402
29	<1	0.01	16	6.3	7	0.98	3	0.28	---	---	65	54
30	5	0.61	20	5.9	7	0.91	4	0.31	---	---	71	56
31	1	0.10	---	---	7	1.0	5	0.40	---	---	97	119
Total	---	8.56	---	771.32	---	337.27	---	547.80	---	48.67	---	653.58

04233286 SIXMILE CREEK AT BROOKTONDALE, NY—Continued

SUSPENDED-SEDIMENT
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Day	Mean concentration (mg/l)	Sediment discharge (tons/ day)	Mean concentration (mg/l)	Sediment discharge (tons/ day)	Mean concentration (mg/l)	Sediment discharge (tons/ day)	Mean concentration (mg/l)	Sediment discharge (tons/ day)	Mean concentration (mg/l)	Sediment discharge (tons/ day)	Mean concentration (mg/l)	Sediment discharge (tons/ day)
	April		May		June		July		August		September	
1	95	105	1	0.15	<1	0.02	2	0.05	2	0.06	5	0.36
2	870	4,510	1	0.12	<1	0.01	1	0.03	2	0.06	1	0.03
3	437	1,220	1	0.12	<1	0.00	1	0.02	2	0.06	1	0.01
4	163	216	1	0.12	<1	0.00	1	0.02	2	0.05	1	0.01
5	53	49	1	0.10	<1	0.00	6	0.24	1	0.03	<1	<0.01
6	52	38	1	0.10	8	0.50	4	0.17	1	0.02	<1	<0.01
7	75	59	1	0.10	1	0.05	1	0.03	1	0.03	<1	<0.01
8	37	25	1	0.09	1	0.03	9	0.47	1	0.03	1	0.01
9	22	5.8	1	0.09	1	0.02	21	2.4	2	0.02	1	0.02
10	16	3.3	1	0.09	0.0	0.01	2	0.13	2	0.02	1	0.02
11	11	2.1	1	0.08	1	0.03	1	0.05	2	0.02	1	0.01
12	10	1.7	1	0.07	1	0.06	1	0.03	2	0.03	1	0.01
13	11	1.5	1	0.05	8	1.5	1	0.02	1	0.04	1	0.01
14	8	1.1	1	0.03	21	3.8	1	0.02	1	0.02	1	<0.01
15	6	0.74	1	0.02	3	0.15	1	0.02	<1	<0.01	1	<0.01
16	5	0.57	<1	0.02	21	1.9	1	0.03	<1	<0.01	<1	<0.01
17	4	0.37	1	0.03	23	2.8	1	0.03	<1	<0.01	<1	<0.01
18	3	0.23	1	0.04	24	4.1	1	0.03	1	0.01	<1	<0.01
19	2	0.16	1	0.03	5	0.32	1	0.04	1	0.02	<1	<0.01
20	1	0.12	<1	0.02	3	0.17	2	0.04	1	0.02	<1	<0.01
21	1	0.13	<1	0.02	2	0.11	2	0.03	1	0.01	<1	<0.01
22	1	0.12	1	0.03	2	0.07	15	1.4	1	0.01	<1	<0.01
23	13	2.3	1	0.03	1	0.05	11	0.55	<1	<0.01	<1	<0.01
24	23	14	<1	0.02	3	0.09	4	0.11	<1	<0.01	<1	<0.01
25	7	1.2	<1	0.00	3	0.09	3	0.09	1	0.01	1	<0.01
26	5	0.71	<1	0.01	2	0.07	3	0.08	1	0.02	4	0.17
27	4	0.54	<1	0.02	2	0.06	3	0.08	1	0.03	2	0.04
28	3	0.38	3	0.19	3	0.07	2	0.07	1	0.03	2	0.02
29	2	0.23	2	0.09	10	0.59	2	0.06	3	0.07	2	0.05
30	2	0.20	1	0.03	7	0.35	2	0.06	36	2.3	2	0.03
31	---	---	1	0.02	---	---	2	0.06	49	7.9	---	---
Total	---	6,259.50	---	1.93	---	17.02	---	6.46	---	10.92	---	0.80
Year	---	8,663.83										

04233286 SIXMILE CREEK AT BROOKTONDALE, NY—Continued

Date	Time	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unfltrd lab, uS/cm 25 degC (90095)	Specif. conductance, wat unfltrd lab, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt fxd end lab, mg/L as CaCO3 (29801)
Nov 16...	0840	24	10.7	7.3	E7.5	259	284	2.2	36.4	6.92	1.66	10.2	108@c
May 09...	0800	--	--	--	7.8	286	--	--	35.6	6.48	1.93	12.8	99@c
Jul 19...	0800	7.0	5.7	8.0	8.1	353	366	21.9	48.7	8.20	2.43	13.1	141@c

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

[Remark codes: <, less than; E, estimated. Value qualifier codes: @, holding time exceeded; c, see laboratory comment; n, below the LRL and above the LT-MDL.]

Date	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia, water, fltrd, mg/L as N (00608)	Nitrite + nitrate, water, fltrd, mg/L as N (00631)	Nitrite, water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)
Nov 16...	82	100	15.8	<.1n	5.74	10.8	154	<.10n	.11	<.04	.48	<.008	<.02n
May 09...	--	--	24.6	<.1n	3.82	11.8	178	.16	.14	<.04	.52	<.008	.09
Jul 19...	118.0000	141	23.3	<.1n	5.55	12.4	213	.25	.14	<.04	.34	<.008	<.02

Date	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd, mg/L (00665)	Iron, water, fltrd, ug/L (01046)	Manganese, water, fltrd, ug/L (01056)	Tritium 2-sigma, water unfltrd, pCi/L (75985)	Tritium, water unfltrd, pCi/L (07000)
Nov 16...	.022	.024	12	6.6	3.2	40
May 09...	.113	.120	15	6.7	--	--
Jul 19...	.013	.016	<6	2.8	--	--



Water-Data Report NY-2005

04233300 SIXMILE CREEK AT BETHEL GROVE, NY

Seneca Watershed

LOCATION.--Lat 42°24'11", long 76°26'07" referenced to North American Datum of 1927, Tompkins County, Hydrologic Unit 04140201, on left bank at bridge on German Cross Road, 3.4 mi southeast of Ithaca.

DRAINAGE AREA.--39.3 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1995 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 700 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,200 ft³/s, Jan. 19, 1996, gage height, 9.78 ft, from rating curve extended above 2,700 ft³/s on basis of slope-area measurement at gage height 8.32 ft; minimum discharge, 1.5 ft³/s, Aug. 2, 1995.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 28	1115	1,250	4.92
Jan 14	0645	1,150	4.80
Feb 09	0500	1,110	4.74
Apr 02	2000	*4,340	*8.26

Minimum discharge, 3.7 ft³/s, Sep 21, 22, 23, gage height, 0.23 ft.

04233300 SIXMILE CREEK AT BETHEL GROVE, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	31	e32	272	e65	e40	48	e500	59	17	20	11	34
2	30	e35	157	53	e38	46	e1,500	52	15	17	8.3	15
3	31	e65	126	72	e36	48	e1,300	49	15	15	7.8	11
4	26	e70	99	120	e36	54	535	46	15	14	7.8	9.2
5	24	e90	90	73	e35	56	298	42	14	16	7.2	8.2
6	23	e60	79	79	e36	58	230	40	27	21	6.8	7.3
7	21	e50	110	84	e45	e62	221	37	21	16	6.6	7.0
8	21	e45	100	74	e90	e100	197	34	15	20	6.6	6.6
9	20	e45	80	68	e180	e75	136	33	14	49	6.5	6.2
10	20	e43	166	65	e150	e60	112	31	22	31	6.2	5.9
11	20	e42	298	61	110	67	94	29	22	19	5.9	5.5
12	19	e40	197	108	91	64	82	27	20	16	6.1	4.8
13	19	e35	163	369	77	61	72	26	24	14	7.5	4.8
14	20	31	124	546	74	58	66	27	61	14	7.9	4.5
15	26	31	103	181	178	58	60	30	21	13	7.4	4.5
16	37	30	93	105	185	57	55	25	37	13	6.6	5.0
17	23	29	86	65	125	58	51	24	52	12	6.0	5.2
18	21	29	76	41	92	60	48	23	99	12	5.8	4.9
19	50	29	75	48	79	62	45	21	40	11	6.1	4.3
20	34	28	e65	e46	75	68	46	21	30	9.8	6.5	4.4
21	104	28	e55	e45	71	75	51	21	25	9.3	6.0	4.0
22	68	27	e70	e50	67	83	42	21	23	19	6.3	3.9
23	44	29	e200	e55	62	88	77	21	20	18	6.0	4.1
24	38	52	84	e60	56	84	227	24	18	11	5.7	4.3
25	35	150	52	e62	55	88	107	24	16	9.7	5.5	5.4
26	32	91	50	e60	55	95	85	21	15	9.4	5.7	12
27	30	77	45	e58	54	121	75	20	14	11	5.3	11
28	e30	381	e45	e54	52	539	68	26	14	10	5.6	6.1
29	e32	178	e62	e50	---	381	58	27	28	8.6	5.8	7.4
30	e43	127	e60	e46	---	e340	61	20	30	8.2	20	7.1
31	e38	---	e62	e42	---	e420	---	18	---	8.4	83	---
Total	1,010	1,999	3,344	2,905	2,244	3,534	6,499	919	784	475.4	295.5	223.6
Mean	32.6	66.6	108	93.7	80.1	114	217	29.6	26.1	15.3	9.53	7.45
Max	104	381	298	546	185	539	1,500	59	99	49	83	34
Min	19	27	45	41	35	46	42	18	14	8.2	5.3	3.9
Cfsm	0.83	1.70	2.74	2.38	2.04	2.90	5.51	0.75	0.66	0.39	0.24	0.19
In.	0.96	1.89	3.17	2.75	2.12	3.35	6.15	0.87	0.74	0.45	0.28	0.21

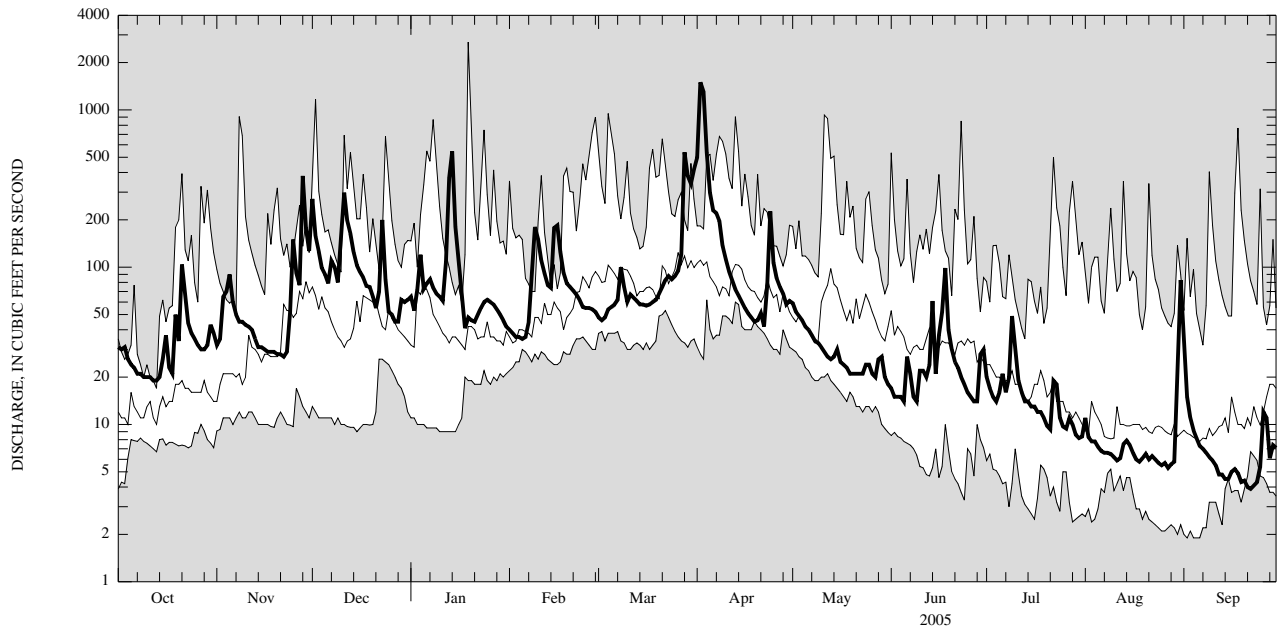
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	26.5	52.8	76.7	78.1	82.2	119	119	71.7	48.5	27.3	21.0	24.0
Max	60.5	125	184	186	134	188	217	165	94.2	66.4	88.1	111
(WY)	(2004)	(1997)	(1997)	(1996)	(2000)	(2003)	(2005)	(1996)	(2002)	(2004)	(2004)	(2004)
Min	9.19	11.5	14.8	26.5	32.4	60.6	51.5	19.5	6.77	4.10	3.93	4.38
(WY)	(1998)	(1999)	(1999)	(2001)	(2004)	(2002)	(1995)	(1999)	(1999)	(1999)	(1999)	(1995)

04233300 SIXMILE CREEK AT BETHEL GROVE, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1995 - 2005	
Annual total	29,078		24,232.5			
Annual mean	79.4		66.4		63.8	
Highest annual mean					88.2	2004
Lowest annual mean					38.1	1999
Highest daily mean	768	Sep 18	1,500	Apr 2	2,700	Jan 19, 1996
Lowest daily mean	12	Jul 4	3.9	Sep 22	1.9	Sep 2, 1999
Annual seven-day minimum	14	Jun 30	4.3	Sep 18	2.0	Aug 31, 1999
Annual runoff (cfsm)	2.02		1.69		1.62	
Annual runoff (inches)	27.52		22.94		22.06	
10 percent exceeds	146		120		129	
50 percent exceeds	55		38		36	
90 percent exceeds	26		6.6		8.6	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04233300 SIXMILE CREEK AT BETHEL GROVE, NY—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1996 to current year.

PERIOD OF DAILY RECORD.--

SUSPENDED-SOLIDS CONCENTRATION: October 1996 to September 1998.

SUSPENDED-SOLIDS DISCHARGE: October 1996 to September 1998.

SUSPENDED-SEDIMENT CONCENTRATION: December 1998 to current year.

SUSPENDED-SEDIMENT DISCHARGE: December 1998 to current year.

INSTRUMENTATION.--Automatic water sampler since 1995.

EXTREMES FOR PERIOD OF RECORD.--

SUSPENDED-SOLIDS CONCENTRATION: Maximum daily mean, 1,480 mg/L, Nov. 8, 1996; minimum daily mean, 1 mg/L, many days during the 1998 water year.

SUSPENDED-SOLIDS DISCHARGE: Maximum daily mean, 7,050 tons, Nov. 8, 1996; minimum daily mean, 0.02 tons, several days in October 1997 and September 1998.

SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily mean, 2,330 mg/L, June 23, 2001; minimum daily mean, 1 mg/L, Aug. 19, 2004.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily mean, 8,410 tons, June 23, 2001; minimum daily mean, 0.05 tons, Oct. 1, 13, 2004.

EXTREMES FOR CURRENT YEAR.--

SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily mean, 1,390 mg/L, Apr. 2; minimum daily mean, 1 mg/L, many days in October.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily mean, 5,600 tons, Apr. 2; minimum daily mean, 0.05 tons, Oct. 1, 13.

04233300 SIXMILE CREEK AT BETHEL GROVE, NY—Continued

SUSPENDED-SEDIMENT
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Day	Mean	Sediment	Mean	Sediment	Mean	Sediment	Mean	Sediment	Mean	Sediment	Mean	Sediment
	concentration (mg/l)	discharge (tons/day)	concentration (mg/l)	discharge (tons/day)	concentration (mg/l)	discharge (tons/day)	concentration (mg/l)	discharge (tons/day)	concentration (mg/l)	discharge (tons/day)	concentration (mg/l)	discharge (tons/day)
	October		November		December		January		February		March	
1	2	0.05	3	0.24	144	125	23	4.0	21	2.3	13	1.7
2	2	0.14	4	0.39	57	25	22	3.2	21	2.2	12	1.5
3	2	0.15	19	3.3	23	7.8	31	6.5	22	2.1	14	1.9
4	2	0.13	20	4.0	17	4.6	35	12	22	2.1	17	2.4
5	2	0.10	18	3.6	15	3.6	15	2.9	22	2.1	18	2.7
6	1	0.08	6	0.82	12	2.6	12	2.6	22	2.2	18	2.9
7	1	0.06	6	0.68	18	6.0	11	2.5	23	2.7	30	5.0
8	1	0.07	5	0.59	13	3.6	11	2.2	24	5.9	37	9.9
9	1	0.07	5	0.53	10	2.3	10	1.9	35	17	37	7.6
10	1	0.06	4	0.45	47	34	10	1.8	46	19	25	4.1
11	1	0.06	3	0.35	100	83	11	1.9	50	15	12	2.1
12	1	0.06	2	0.23	41	22	94	41	42	10	10	1.8
13	1	0.05	2	0.18	22	9.8	238	263	30	6.3	11	1.7
14	1	0.07	2	0.15	13	4.5	373	603	20	4.1	11	1.7
15	10	1.1	2	0.14	14	3.9	78	41	31	15	10	1.5
16	8	0.93	2	0.15	15	3.8	44	13	46	23	8	1.3
17	3	0.16	2	0.16	11	2.6	38	6.7	42	14	9	1.4
18	2	0.11	2	0.18	12	2.6	32	3.5	33	8.2	10	1.6
19	17	2.4	3	0.23	15	3.0	28	3.7	27	5.7	11	1.9
20	4	0.33	3	0.21	18	3.1	25	3.2	21	4.3	13	2.4
21	139	42	2	0.17	19	2.9	24	2.9	16	3.1	15	3.0
22	44	9.7	2	0.13	92	17	22	3.0	12	2.1	16	3.7
23	8	0.93	2	0.15	531	286	21	3.1	19	3.2	18	4.2
24	5	0.55	11	1.9	132	40	19	3.1	28	4.3	19	4.4
25	3	0.30	153	75	44	6.1	19	3.2	26	3.9	20	4.7
26	3	0.25	135	33	39	5.3	19	3.2	22	3.3	12	2.9
27	3	0.21	112	23	35	4.3	20	3.1	18	2.7	13	4.5
28	2	0.18	798	1,290	31	3.7	20	2.9	15	2.1	306	517
29	2	0.16	110	58	27	4.5	20	2.7	---	---	195	212
30	11	1.3	49	17	25	4.1	21	2.6	---	---	124	114
31	3	0.26	---	---	24	4.0	21	2.4	---	---	213	241
Total	---	62.02	---	1,514.93	---	730.7	---	1,051.8	---	187.9	---	1,168.5

04233300 SIXMILE CREEK AT BETHEL GROVE, NY—Continued

SUSPENDED-SEDIMENT
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Day	Mean	Sediment	Mean	Sediment	Mean	Sediment	Mean	Sediment	Mean	Sediment	Mean	Sediment
	concentration (mg/l)	discharge (tons/day)	concentration (mg/l)	discharge (tons/day)	concentration (mg/l)	discharge (tons/day)	concentration (mg/l)	discharge (tons/day)	concentration (mg/l)	discharge (tons/day)	concentration (mg/l)	discharge (tons/day)
	April		May		June		July		August		September	
1	310	419	32	5.0	27	1.2	18	0.96	16	0.50	29	2.8
2	1,390	5,600	40	5.6	30	1.2	17	0.79	21	0.46	27	1.1
3	975	3,430	35	4.7	15	0.60	16	0.65	25	0.54	25	0.72
4	560	848	29	3.6	15	0.63	15	0.56	26	0.56	22	0.55
5	200	167	26	2.9	19	0.71	14	0.58	13	0.25	20	0.43
6	133	83	23	2.5	39	3.5	10	0.61	14	0.26	16	0.31
7	108	65	21	2.1	32	1.9	8	0.36	17	0.31	8	0.15
8	85	46	18	1.7	31	1.3	9	0.52	19	0.33	6	0.11
9	73	27	15	1.3	30	1.1	19	2.6	12	0.22	5	0.09
10	63	19	14	1.2	30	1.8	29	2.4	8	0.13	5	0.08
11	53	13	10	0.83	34	2.0	36	1.9	13	0.20	5	0.07
12	46	10	9	0.66	38	2.0	25	1.1	18	0.29	6	0.08
13	41	8.0	11	0.73	146	12	14	0.54	18	0.37	15	0.19
14	36	6.4	12	0.87	193	48	13	0.49	17	0.36	21	0.26
15	31	5.1	13	1.1	58	3.4	14	0.48	16	0.33	22	0.27
16	30	4.4	14	0.99	80	9.1	16	0.59	18	0.32	22	0.29
17	28	3.9	12	0.78	142	30	19	0.63	20	0.31	19	0.27
18	26	3.4	9	0.56	152	50	21	0.67	19	0.30	16	0.21
19	24	2.9	10	0.57	81	8.7	16	0.50	18	0.30	13	0.16
20	22	2.8	11	0.60	71	5.7	11	0.29	18	0.31	14	0.16
21	22	3.0	10	0.55	55	3.8	10	0.25	18	0.29	14	0.15
22	23	2.5	8	0.46	38	2.3	11	0.60	18	0.31	14	0.15
23	34	7.5	7	0.38	22	1.2	21	0.96	18	0.29	15	0.17
24	131	101	5	0.31	15	0.72	35	1.0	18	0.28	16	0.19
25	38	11	5	0.29	15	0.64	43	1.1	18	0.27	18	0.26
26	31	7.2	12	0.69	15	0.62	30	0.75	19	0.29	18	0.57
27	25	5.0	20	1.1	16	0.61	17	0.50	21	0.29	16	0.49
28	19	3.4	21	1.5	17	0.63	15	0.42	23	0.34	13	0.22
29	13	2.1	22	1.6	17	1.3	15	0.36	27	0.43	10	0.19
30	20	3.4	22	1.2	18	1.4	16	0.34	51	2.9	11	0.20
31	---	---	23	1.1	---	---	16	0.36	129	29	---	---
Total	---	10,910.0	---	47.47	---	198.06	---	23.86	---	41.34	---	10.89
Year	---	15,947.47										

04233500 CAYUGA INLET (CAYUGA LAKE) AT ITHACA, NY

Seneca Watershed

LOCATION.--Lat 42°26'45", long 76°30'45" referenced to North American Datum of 1927, Tompkins County, Hydrologic Unit 04140201, on left bank, in restaurant 200 ft upstream from flood-control channel of Cayuga Inlet, at north end of Taughannock Boulevard, and 1.0 mi upstream from mouth of Inlet, at Ithaca.

DRAINAGE AREA.--143 mi², Cayuga Lake at mouth 1,564mi²; Cayuga Lake portion 785 mi².

WATER-STAGE RECORDS

PERIOD OF RECORD.--August 1905 to December 1909, August 1956 to current year in reports of Geological Survey. January 1910 to September 1925 in reports of State Engineer and Surveyor.

REVISED RECORDS.--WSP 2112: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (1.43 ft Barge Canal datum). To convert elevations to NAVD adjustment of 1988, subtract 0.62 ft. Prior to September 1925, non-recording gage at several sites within 1 mi of present site. Prior to October 1968, at datum 378.57 ft higher. October 1968 to September 1975, at datum 376.57 ft higher.

REMARKS.--Lake elevation regulated at Mud Lock by New York State Thruway Authority. Area of water surface, 66.9 mi². Seneca River (Cayuga and Seneca Canal) enters lake 0.5 mi upstream from Mud Lock and is included in second drainage area given above. Telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--(1905-25 and since 1956): Maximum elevation, 386.46 ft, April 26, 1993; minimum elevation not determined; minimum daily elevation, 377.64 ft, present datum, Mar. 28, 1960.

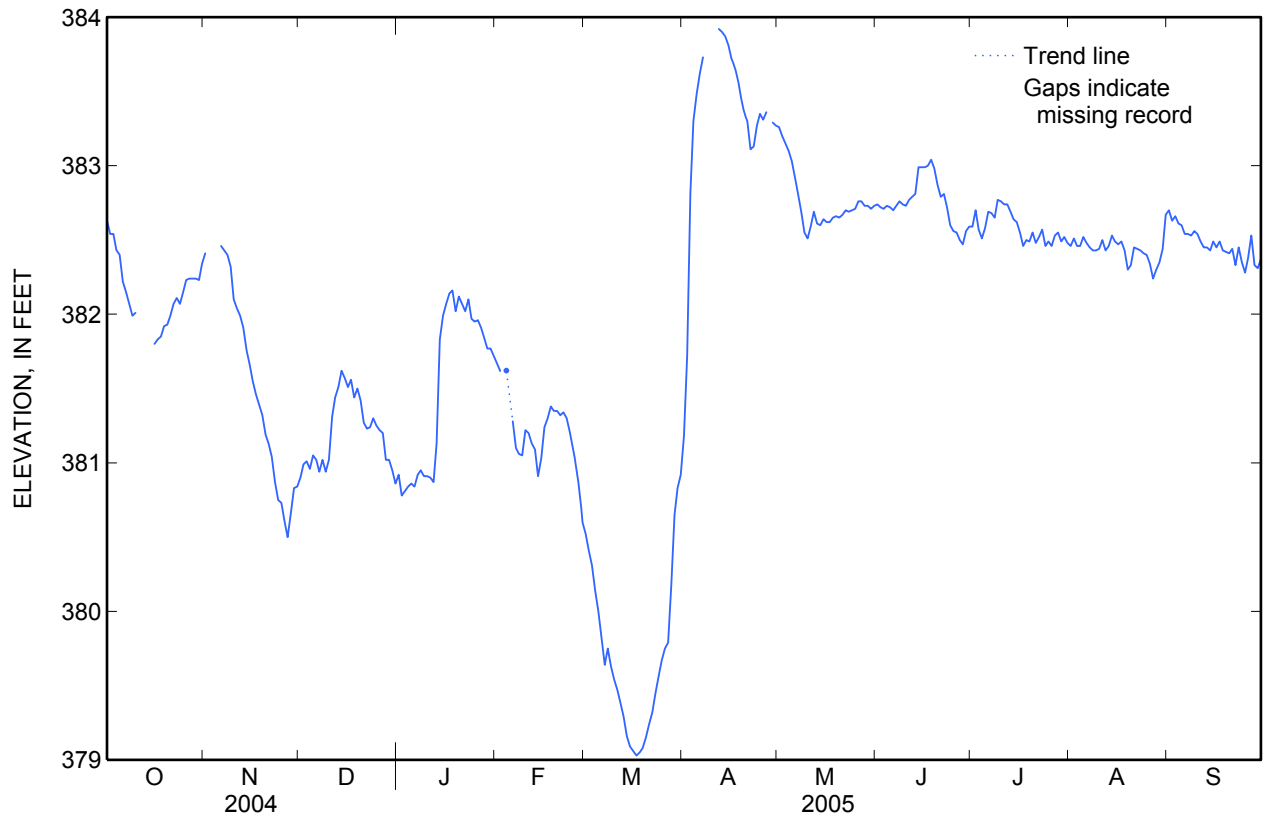
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 384.04 ft, Apr 11, but may have been higher during period of no gage height record Apr. 8-11; minimum elevation, 378.95 ft, Mar 17.

04233500 CAYUGA INLET (CAYUGA LAKE) AT ITHACA, NY—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	382.63	382.41	380.90	380.92	381.67	380.52	381.18	383.26	382.74	382.59	382.46	382.70
2	382.54	---	380.99	380.78	381.62	380.41	381.72	383.20	382.72	382.70	382.51	382.63
3	382.54	---	381.01	380.81	---	380.31	382.81	383.15	382.71	382.57	382.46	382.66
4	382.43	---	380.96	380.84	381.62	380.14	383.30	383.10	382.73	382.51	382.46	382.61
5	382.40	---	381.05	380.86	---	380.00	383.48	383.03	382.72	382.58	382.52	382.60
6	382.22	382.46	381.02	380.84	381.28	379.82	383.62	382.92	382.70	382.69	382.48	382.54
7	382.15	382.43	380.94	380.92	381.10	379.64	383.73	382.81	382.73	382.68	382.45	382.54
8	382.07	382.40	381.02	380.95	381.06	379.75	---	382.69	382.76	382.65	382.43	382.53
9	381.99	382.32	380.94	380.91	381.05	379.63	---	382.55	382.74	382.77	382.43	382.56
10	382.01	382.10	381.02	380.91	381.22	379.54	---	382.51	382.73	382.76	382.44	382.54
11	---	382.04	381.31	380.90	381.20	379.47	---	382.59	382.77	382.74	382.50	382.49
12	---	381.99	381.44	380.87	381.13	379.38	383.92	382.69	382.79	382.74	382.43	382.45
13	---	381.91	381.51	381.13	381.09	379.29	383.90	382.61	382.81	382.69	382.46	382.45
14	---	381.76	381.62	381.83	380.91	379.16	383.87	382.60	382.99	382.64	382.53	382.43
15	---	381.66	381.57	381.99	381.03	379.09	383.81	382.64	382.99	382.62	382.49	382.49
16	381.80	381.55	381.51	382.07	381.24	379.06	383.72	382.62	382.99	382.55	382.47	382.45
17	381.83	381.46	381.56	382.14	381.30	379.03	383.66	382.62	383.00	382.46	382.49	382.49
18	381.85	381.39	381.44	382.16	381.38	379.05	383.58	382.65	383.04	382.50	382.43	382.43
19	381.92	381.32	381.50	382.02	381.35	379.08	383.46	382.66	382.98	382.49	382.30	382.42
20	381.93	381.19	381.42	382.12	381.35	379.15	383.36	382.65	382.87	382.55	382.33	382.41
21	381.99	381.13	381.27	382.07	381.32	379.24	383.30	382.67	382.79	382.48	382.45	382.44
22	382.07	381.04	381.23	382.02	381.34	379.32	383.11	382.70	382.81	382.52	382.44	382.33
23	382.11	380.87	381.24	382.10	381.30	379.45	383.13	382.69	382.72	382.57	382.43	382.45
24	382.07	380.75	381.30	381.97	381.20	379.56	383.27	382.70	382.60	382.46	382.41	382.35
25	382.15	380.73	381.25	381.95	381.10	379.67	383.35	382.71	382.56	382.49	382.40	382.28
26	382.23	380.61	381.22	381.96	380.98	379.75	383.31	382.76	382.55	382.46	382.34	382.38
27	382.24	380.50	381.20	381.91	380.81	379.79	383.36	382.76	382.50	382.53	382.24	382.53
28	382.24	380.66	381.02	381.84	380.60	380.18	---	382.73	382.47	382.55	382.30	382.33
29	382.24	380.83	381.02	381.77	---	380.65	383.29	382.73	382.56	382.49	382.35	382.31
30	382.23	380.84	380.95	381.77	---	380.83	383.27	382.71	382.59	382.52	382.44	382.37
31	382.34	---	380.86	381.72	---	380.92	---	382.73	---	382.48	382.67	---
Mean	---	---	381.20	381.52	---	379.71	---	382.76	382.76	382.58	382.44	382.47
Max	---	---	381.62	382.16	---	380.92	---	383.26	383.04	382.77	382.67	382.70
Min	---	---	380.86	380.78	---	379.03	---	382.51	382.47	382.46	382.24	382.28

04233500 CAYUGA INLET (CAYUGA LAKE) AT ITHACA, NY—Continued



04234000 FALL CREEK NEAR ITHACA, NY

Seneca Watershed

LOCATION.--Lat 42°27'12", long 76°28'23" referenced to North American Datum of 1927, Tompkins County, Hydrologic Unit 04140201, on left bank in Forest Home, 0.2 mi east of Ithaca, 0.5 mi upstream from Cornell University dam, and 2.2 mi upstream from mouth.

DRAINAGE AREA.--126 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1908 to June 1909 (gage heights only), February 1925 to current year.

REVISED RECORDS.--WSP 874: 1935-38. WSP 1912: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 795.13 ft above NGVD of 1929. July 1908 to June 1909, nonrecording gage at bridge 1.2 mi downstream at different datum.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Diversion from point about 1 mi upstream from station by Cornell University for water supply and at several sites for irrigation purposes. Records of diversion from Fall Creek are in files of Cornell University. Telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,500 ft³/s, July 8, 1935, gage height, 9.52 ft, from rating curve extended above 5,500 ft³/s on basis of average of peak flow over four dams; maximum gage height, 11.16 ft, Feb. 21, 1971 (ice jam); minimum discharge, 2.1 ft³/s, Sept. 6, 7, 1999, gage height, 0.12 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,900 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 14	1130	2,360	4.02
Mar 28	2000	1,910	3.68
Apr 03	0500	*6,190	*6.10

Minimum discharge, 4.9 ft³/s, Aug 6, gage height, 0.19 ft.

04234000 FALL CREEK NEAR ITHACA, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	112	99	642	261	e150	e175	1,420	201	57	48	20	123
2	104	93	627	211	e140	e165	2,310	183	61	42	16	76
3	114	151	374	266	e150	e150	5,010	168	54	38	13	49
4	109	172	296	448	e150	e150	2,470	158	49	33	12	37
5	106	336	265	314	e140	e140	1,060	145	44	30	12	30
6	99	209	235	261	e140	e140	735	133	48	39	11	26
7	93	154	237	372	e150	174	656	123	50	38	12	24
8	85	135	339	288	e230	406	691	112	41	37	11	18
9	82	128	250	251	e500	e290	495	106	35	102	10	16
10	78	119	338	224	e700	e240	393	101	37	94	43	15
11	78	120	1,070	210	e440	e200	331	98	120	61	25	13
12	80	115	676	319	e330	e200	283	89	97	44	18	12
13	74	119	460	1,200	e260	187	255	86	88	38	16	11
14	77	104	374	2,110	e240	e170	224	91	143	35	16	11
15	82	98	294	902	588	e150	199	103	102	30	17	11
16	134	96	248	493	802	e150	181	92	83	27	13	11
17	107	94	247	392	e500	e145	167	85	95	26	11	16
18	92	94	194	263	e340	e160	155	81	205	26	10	18
19	157	92	215	229	e270	155	145	77	124	28	9.6	15
20	187	92	151	279	e260	181	140	73	85	25	9.4	20
21	301	95	181	227	e250	200	188	75	70	20	11	15
22	237	91	221	e190	237	222	165	72	60	23	13	12
23	159	85	451	e210	223	278	301	72	53	30	10	12
24	124	86	583	e205	e190	227	842	77	48	23	9.5	17
25	108	353	233	e220	200	231	456	81	42	21	9.7	16
26	100	287	e200	e215	e180	244	323	76	39	19	10	23
27	98	180	e160	e175	e170	307	250	70	34	17	9.4	85
28	94	760	133	e155	e165	1,270	221	69	32	18	13	65
29	95	672	194	e160	---	1,390	196	77	69	17	11	42
30	106	332	185	e170	---	987	184	73	67	16	24	51
31	121	---	193	e155	---	1,090	---	60	---	16	127	---
Total	3,593	5,561	10,266	11,375	8,095	10,174	20,446	3,107	2,132	1,061	552.6	890
Mean	116	185	331	367	289	328	682	100	71.1	34.2	17.8	29.7
Max	301	760	1,070	2,110	802	1,390	5,010	201	205	102	127	123
Min	74	85	133	155	140	140	140	60	32	16	9.4	11
Cfsm	0.92	1.47	2.63	2.91	2.29	2.60	5.41	0.80	0.56	0.27	0.14	0.24
In.	1.06	1.64	3.03	3.36	2.39	3.00	6.04	0.92	0.63	0.31	0.16	0.26

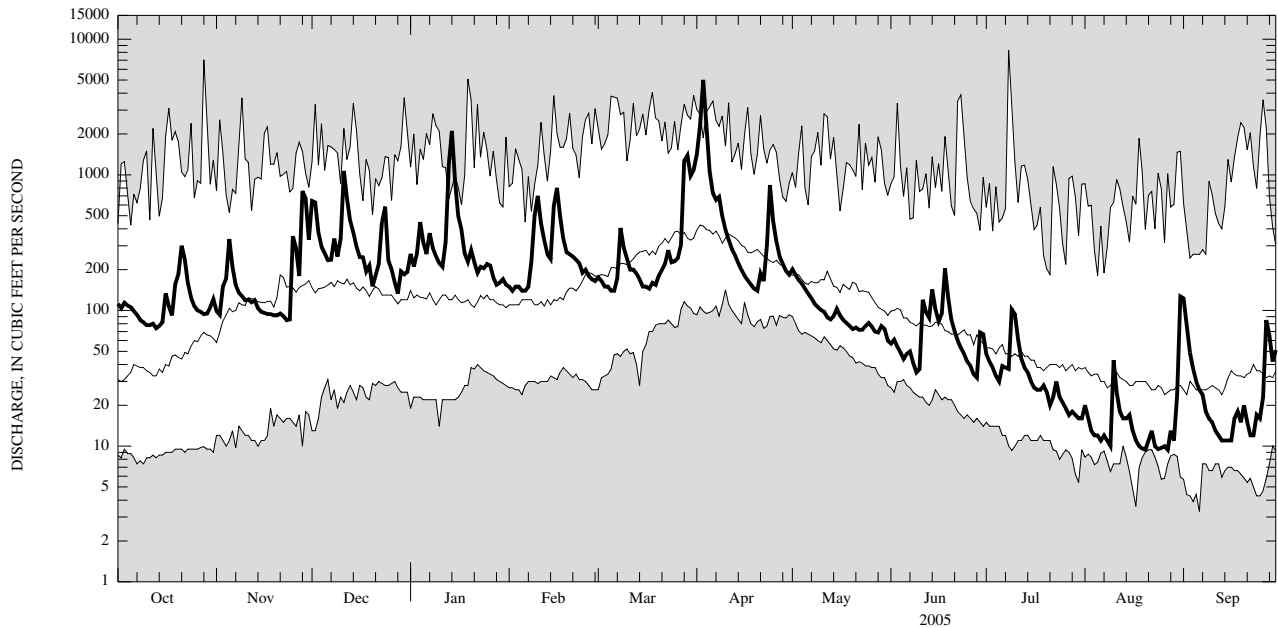
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	103	177	210	194	219	411	413	213	122	74.3	53.6	67.2
Max	594	497	555	575	595	1,037	1,313	532	615	608	280	561
(WY)	(1982)	(1928)	(1997)	(1998)	(1981)	(1936)	(1993)	(1996)	(1972)	(1935)	(2004)	(1977)
Min	9.57	16.5	31.9	38.4	44.1	160	100	62.0	25.6	14.9	8.93	7.09
(WY)	(1965)	(1965)	(1961)	(1961)	(1934)	(1965)	(1946)	(1934)	(1999)	(1999)	(1965)	(1964)

04234000 FALL CREEK NEAR ITHACA, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1925 - 2005	
Annual total	99,140		77,252.6			
Annual mean	271		212		188	
Highest annual mean					304	2004
Lowest annual mean					83.6	1965
Highest daily mean	2,020	Mar 6	5,010	Apr 3	8,280	Jul 8, 1935
Lowest daily mean	41	Jul 4	9.4	Aug 20	3.3	Sep 6, 1999
Annual seven-day minimum	45	Jul 1	10	Aug 19	4.6	Aug 31, 1999
Annual runoff (cfsm)	2.15		1.68		1.49	
Annual runoff (inches)	29.27		22.81		20.28	
10 percent exceeds	581		398		420	
50 percent exceeds	176		123		101	
90 percent exceeds	92		16		23	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

0423403092 TRUMANSBURG CREEK NEAR TRUMANSBURG, NY

Seneca Watershed

LOCATION.--Lat 42°32'16", long 76°41'06" referenced to North American Datum of 1927, Tompkins County, Hydrologic Unit 04140201, at bridge on Curry Road, 1.0 mi west of Trumansburg, and 4.2 mi upstream from mouth (Cayuga Lake).

DRAINAGE AREA.--2.52 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Annual maximum only--2003 to current year.

GAGE.--Crest-stage partial-record station. Elevation of gage is 1,040 ft above NGVD of 1929, from topographic map.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 284 ft³/s, Jul. 27, 2004, gage height, 3.78 ft.

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 2, 2005	241	---	3.37	---

04234138 SCHAEFFER CREEK NEAR CANANDAIGUA, NY

Seneca Watershed

LOCATION.--Lat 42°54'25", long 77°22'14" referenced to North American Datum of 1927, Ontario County, Hydrologic Unit 04140201, at culvert on McCann Road, 0.8 mi upstream from Mud Creek, 1.7 mi north of U.S. Highway 20 and 3.2 mi west of Canandaigua.

DRAINAGE AREA.--7.84 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--1980 to current year.

GAGE.--Crest-stage partial-record station. Elevation of gage is 860 ft above NGVD of 1929, from topographic map.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 623 ft³/s, Sep. 9, 2004, gage height, 15.79 ft.

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 3, 2005	353	---	12.94	---

04234200 MUD CREEK AT EAST VICTOR, NY

Seneca Watershed

LOCATION.--Lat 42°58'28", long 77°22'58" referenced to North American Datum of 1927, Ontario County, Hydrologic Unit 04140201, on left bank 25 ft downstream from bridge on State Highway 96, at East Victor, and 0.5 mi upstream from mouth.

DRAINAGE AREA.--64.2 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Continuous record--April 1958 to September 1968, annual maximum only--1972, 1976 to current year.

GAGE.--Crest-stage partial-record station. Elevation of gage is 580 ft above NGVD of 1929, from topographic map.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,880 ft³/s, Apr. 21, 1991, gage height, 7.22 ft; maximum gage height, 7.85 ft, Jun. 22, 1972, discharge 1,800 ft³/s.

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 3, 2005	1,680	---	6.87	---

04234500 CANANDAIGUA LAKE AT CANANDAIGUA, NY

Seneca Watershed

LOCATION.--Lat 42°53'30", long 77°17'22" referenced to North American Datum of 1927, Ontario County, Hydrologic Unit 04140201, at comfort station in middle of city pier at northern end of Canandaigua Lake, 1 mile southeast of Canandaigua.

DRAINAGE AREA.--184 mi².

WATER-STAGE RECORDS

PERIOD OF RECORD.--November 1939 to current year. December 1927 to November 1939, records for site on west side of E. T. Waldorf's boathouse collected by, and in files of, city of Canandaigua.

REVISED RECORDS.--WSP 2112: Drainage area. WDR NY 1971: 1970. WDR NY-86-3: 1985.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929. To convert elevations to NAVD adjustment of 1988, subtract 0.50 ft. June 26, 1946 to Sept. 30, 1975, at datum 681.17 ft higher, and prior to June 26, 1946, nonrecording gage at E. T. Waldorf's boathouse at same datum.

REMARKS.--Lake elevation regulated by one gate on West outlet, which is a 1.5 mi long canal, and by two gates on East outlet, which is the natural outlet. Sill elevations of West and East outflow structures are 684.37 ft and 684.94 ft, respectively. Water diverted for municipal supply for villages of Newark, Palmyra, and Gorham. Records of diversion in files of city of Canandaigua. Area of water surface, 16.6 mi².

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 692.11 ft, present datum, June 24, 1972; minimum daily elevation, 685.62 ft, present datum, Jan. 30, 1942.

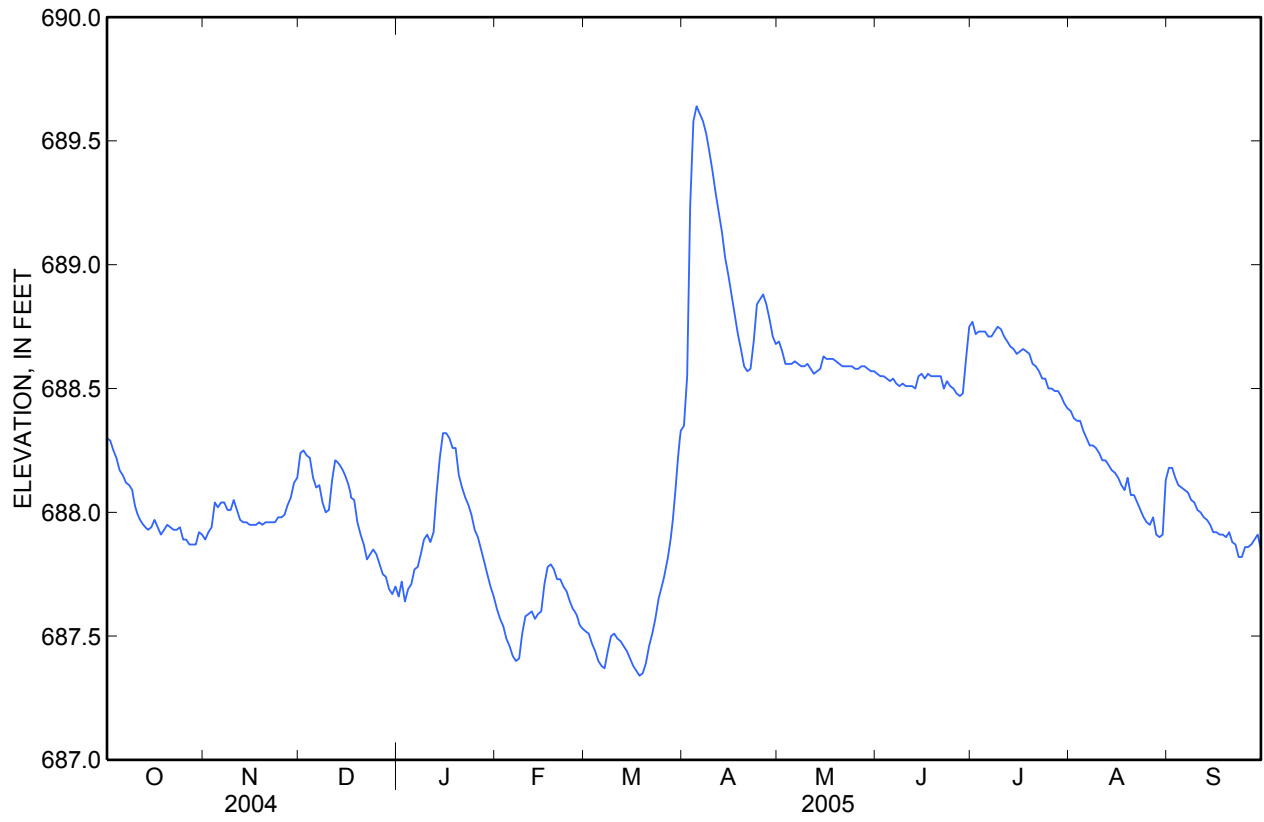
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 689.70 ft, Apr 7; minimum elevation, 687.29 ft, Mar 18.

04234500 CANANDAIGUA LAKE AT CANANDAIGUA, NY—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	688.30	687.89	688.24	687.66	687.61	687.52	688.35	688.69	688.56	688.77	688.41	688.18
2	688.29	687.92	688.25	687.72	687.57	687.51	688.55	688.65	688.55	688.72	688.38	688.18
3	688.25	687.94	688.23	687.64	687.54	687.47	689.24	688.60	688.55	688.73	688.37	688.14
4	688.22	688.04	688.22	687.69	687.49	687.44	689.58	688.60	688.54	688.73	688.37	688.11
5	688.17	688.02	688.14	687.71	687.46	687.40	689.64	688.60	688.53	688.73	688.33	688.10
6	688.15	688.04	688.10	687.77	687.42	687.38	689.61	688.61	688.54	688.71	688.30	688.09
7	688.12	688.04	688.11	687.78	687.40	687.37	689.58	688.60	688.52	688.71	688.27	688.08
8	688.11	688.01	688.04	687.83	687.41	687.44	689.53	688.59	688.51	688.73	688.27	688.05
9	688.09	688.01	688.00	687.89	687.51	687.50	689.46	688.59	688.52	688.75	688.26	688.04
10	688.02	688.05	688.01	687.91	687.58	687.51	689.38	688.60	688.51	688.74	688.24	688.01
11	687.98	688.01	688.13	687.88	687.59	687.49	689.29	688.58	688.51	688.71	688.21	688.00
12	687.96	687.97	688.21	687.92	687.60	687.48	689.21	688.56	688.51	688.69	688.21	687.98
13	687.94	687.96	688.20	688.08	687.57	687.46	689.13	688.57	688.50	688.67	688.19	687.97
14	687.93	687.96	688.18	688.22	687.59	687.44	689.03	688.58	688.55	688.66	688.17	687.95
15	687.94	687.95	688.15	688.32	687.60	687.41	688.96	688.63	688.56	688.64	688.16	687.92
16	687.97	687.95	688.12	688.32	687.71	687.38	688.88	688.62	688.54	688.65	688.14	687.92
17	687.94	687.95	688.06	688.30	687.78	687.36	688.80	688.62	688.56	688.66	688.11	687.91
18	687.91	687.96	688.05	688.26	687.79	687.34	688.72	688.62	688.55	688.65	688.09	687.91
19	687.93	687.95	687.96	688.26	687.77	687.35	688.66	688.61	688.55	688.64	688.14	687.90
20	687.95	687.96	687.91	688.15	687.73	687.39	688.59	688.60	688.55	688.60	688.07	687.92
21	687.94	687.96	687.87	688.10	687.73	687.46	688.57	688.59	688.55	688.59	688.07	687.88
22	687.93	687.96	687.81	688.06	687.70	687.51	688.58	688.59	688.50	688.57	688.04	687.87
23	687.93	687.96	687.83	688.03	687.68	687.57	688.69	688.59	688.53	688.54	688.01	687.82
24	687.94	687.98	687.85	687.99	687.64	687.65	688.84	688.59	688.51	688.54	687.98	687.82
25	687.89	687.98	687.83	687.93	687.61	687.70	688.86	688.58	688.50	688.50	687.96	687.86
26	687.89	687.99	687.79	687.90	687.59	687.76	688.88	688.58	688.48	688.50	687.95	687.86
27	687.87	688.03	687.75	687.85	687.55	687.82	688.84	688.59	688.47	688.49	687.98	687.87
28	687.87	688.06	687.74	687.80	687.53	687.91	688.78	688.59	688.48	688.49	687.91	687.89
29	687.87	688.12	687.69	687.75	---	688.05	688.71	688.58	688.62	688.47	687.90	687.91
30	687.92	688.14	687.67	687.70	---	688.19	688.68	688.57	688.75	688.44	687.91	687.85
31	687.91	---	687.70	687.66	---	688.33	---	688.57	---	688.42	688.13	---
Mean	688.00	687.99	687.99	687.94	687.60	687.57	688.99	688.60	688.54	688.63	688.15	687.97
Max	688.30	688.14	688.25	688.32	687.79	688.33	689.64	688.69	688.75	688.77	688.41	688.18
Min	687.87	687.89	687.67	687.64	687.40	687.34	688.35	688.56	688.47	688.42	687.90	687.82

04234500 CANANDAIGUA LAKE AT CANANDAIGUA, NY—Continued



04235000 CANANDAIGUA OUTLET AT CHAPIN, NY

Seneca Watershed

LOCATION.--Lat 42°55'05", long 77°13'59" referenced to North American Datum of 1927, Ontario County, Hydrologic Unit 04140201, on right bank at Chapin, 25 ft upstream from bridge on State Highway 488, and 4.1 mi downstream from Canandaigua Lake.

DRAINAGE AREA.--195 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1939 to current year. Prior to October 1964, published as "Canandaigua Lake Outlet."

REVISED RECORDS.--WSP 2112: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 671.44 ft above NGVD of 1929. Prior to June 25, 1974, at site 0.1 mi upstream at datum 676.90 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Flow regulated by Canandaigua Lake (see station 04234500), from which water is diverted for municipal supply by villages of Newark, Palmyra, and Gorham. Monthly runoff adjusted for change in contents in Canandaigua Lake from October 1945 to September 1966. Telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,710 ft³/s, June 24, 1972, gage height, 11.08 ft, present datum, at site then in use; minimum discharge, 4.4 ft³/s, Sept. 24, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,160 ft³/s, Apr 3, gage height, 6.21 ft; minimum discharge, 25 ft³/s, Jul 15, gage height, 3.16 ft.

04235000 CANANDAIGUA OUTLET AT CHAPIN, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	121	68	308	331	378	355	470	683	95	42	41	50
2	123	72	499	336	366	351	707	654	93	55	33	45
3	120	102	482	337	356	338	1,130	447	90	55	36	40
4	120	108	476	397	346	331	1,020	175	87	56	39	39
5	117	113	464	402	337	321	980	164	85	e80	46	39
6	116	84	449	413	330	319	967	150	83	e100	45	36
7	113	78	446	397	326	360	957	149	72	e140	45	54
8	113	75	445	124	370	493	941	147	59	e155	43	70
9	113	73	427	106	436	375	919	146	50	164	39	32
10	110	74	489	210	410	357	887	146	47	138	36	30
11	107	73	534	439	398	358	859	145	85	131	35	30
12	106	73	492	513	391	346	826	115	136	143	37	31
13	105	72	486	586	381	341	786	78	124	99	38	32
14	107	71	470	564	385	337	770	93	90	29	36	30
15	100	71	461	540	506	328	743	111	57	34	35	29
16	e79	71	454	530	494	323	719	92	59	48	34	33
17	e79	71	443	526	456	322	692	90	56	51	33	33
18	e78	73	432	506	439	288	665	89	55	50	34	33
19	e78	73	423	557	426	107	644	89	50	49	42	33
20	78	74	e400	515	415	126	576	90	49	46	44	34
21	81	75	e380	494	413	143	401	91	46	41	45	33
22	78	74	370	485	406	142	166	93	45	48	43	32
23	74	73	360	482	400	127	258	93	45	45	42	33
24	72	80	407	472	e390	125	451	95	44	45	43	33
25	70	92	394	457	382	137	566	94	43	45	42	34
26	70	81	383	447	374	129	361	95	42	43	38	38
27	69	78	373	428	362	131	433	96	43	42	39	37
28	68	145	281	427	356	161	677	98	42	43	39	34
29	67	102	314	e420	---	164	667	98	44	47	34	37
30	76	86	353	401	---	151	687	98	42	47	30	29
31	70	---	281	390	---	276	---	98	---	47	80	---
Total	2,878	2,455	12,976	13,232	11,029	8,162	20,925	4,902	1,958	2,158	1,246	1,093
Mean	92.8	81.8	419	427	394	263	698	158	65.3	69.6	40.2	36.4
Max	123	145	534	586	506	493	1,130	683	136	164	80	70
Min	67	68	281	106	326	107	166	78	42	29	30	29

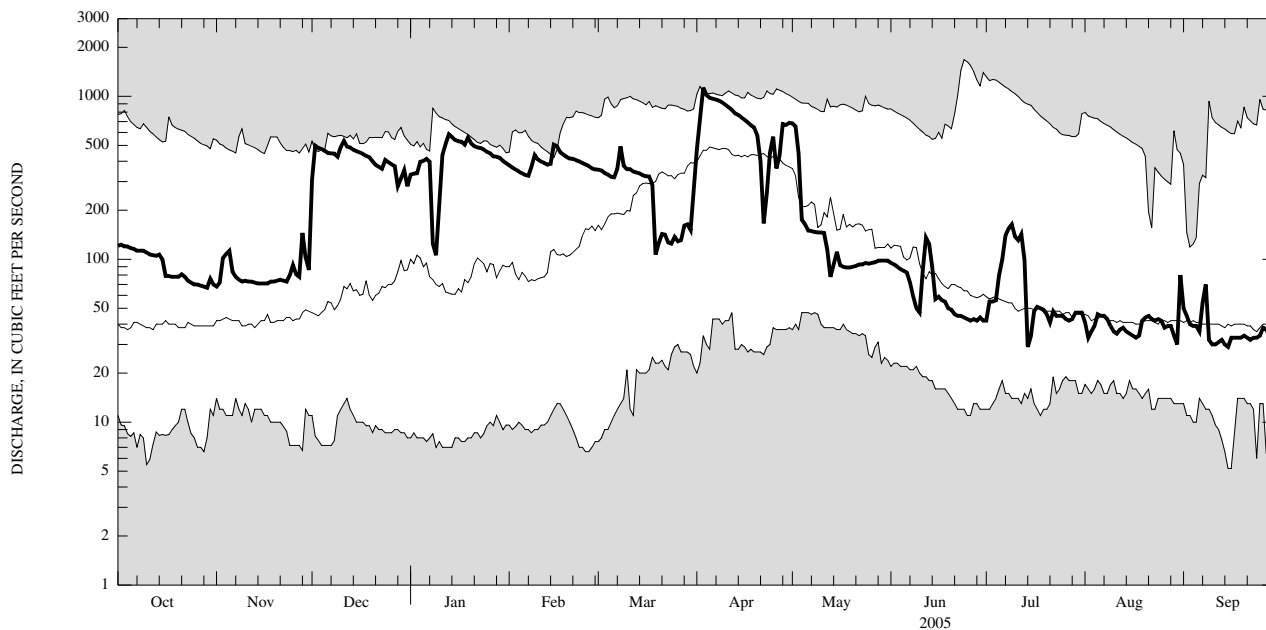
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	74.1	95.6	138	152	160	288	408	267	149	87.7	62.9	56.6
Max	613	419	521	522	518	748	1,036	725	566	852	483	375
(WY)	(1978)	(1978)	(1973)	(1998)	(1976)	(1976)	(1993)	(1943)	(1972)	(1972)	(1992)	(2004)
Min	13.0	12.9	11.1	8.38	9.47	28.9	61.4	46.7	20.7	17.3	16.2	13.3
(WY)	(1992)	(1964)	(1967)	(1967)	(1967)	(1967)	(1946)	(1995)	(1955)	(1963)	(1991)	(1991)

04235000 CANANDAIGUA OUTLET AT CHAPIN, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1940 - 2005	
Annual total	100,210		83,014			
Annual mean	274		227		160	
Highest annual mean					302	1993
Lowest annual mean					57.7	1965
Highest daily mean	1,000	May 24	1,130	Apr 3	1,680	Jun 24, 1972
Lowest daily mean	45	Jun 29	29	Jul 14	5.2	Sep 15, 1948
Annual seven-day minimum	47	Jun 26	31	Sep 9	7.1	Feb 23, 1967
10 percent exceeds	632		502		456	
50 percent exceeds	140		108		64	
90 percent exceeds	60		38		26	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04235250 FLINT CREEK AT PHELPS, NY

Seneca Watershed

LOCATION.--Lat 42°57'28", long 77°04'06" referenced to North American Datum of 1927, Ontario County, Hydrologic Unit 04140201, on right bank 25 ft downstream from bridge on Eagle Street at Phelps, and 1.1 mi upstream from Canandaigua Outlet.

DRAINAGE AREA.--102 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1959 to March 1995, June 2002 to current year.

REVISED RECORDS.--WSP 2112: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 523.14 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Small diversion (during periods of low ground-water level) by Phelps Cement Products, Inc., located about 0.2 mi upstream. Since 1967, flow from Canandaigua Lake diverted into Flint Creek for municipal supply of village of Gorham; presently not exceeding 0.3 ft³/s. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,940 ft³/s, Mar. 30, 1960, gage height, 5.83 ft; maximum gage height, 6.20 ft, Mar. 17, 1963 (ice jam); no flow for many days 1962-65, 1969.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 800 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 14	1500	857	3.78
Feb 15	1900	1,010	3.94
Apr 03	0330	*2,480	*4.96
Apr 04	0230	1,960	4.67

Minimum discharge, 1.0 ft³/s, Aug 7, gage height, 0.77 ft.

04235250 FLINT CREEK AT PHELPS, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	30	67	248	159	e75	e80	455	235	25	174	6.1	118
2	30	58	302	149	e75	e75	970	182	24	60	5.0	53
3	29	137	226	139	e60	e60	1,730	135	21	33	4.1	24
4	30	170	159	271	66	e75	1,510	114	21	24	3.2	15
5	30	185	129	269	e62	e70	797	101	19	34	2.8	11
6	25	150	114	189	e60	e75	450	90	24	75	1.9	8.7
7	23	113	109	250	72	116	357	82	17	36	1.6	7.0
8	22	88	123	217	e120	447	304	73	18	32	3.1	6.3
9	21	72	116	169	e260	325	237	67	18	73	5.3	5.6
10	20	63	251	156	e340	231	197	61	16	85	8.3	6.1
11	20	58	560	155	e260	172	167	56	19	41	9.6	4.9
12	20	54	495	248	228	e130	161	51	17	26	7.6	4.2
13	20	51	335	662	188	e110	143	47	22	20	6.9	3.8
14	21	46	231	797	170	e100	114	51	76	16	6.0	3.4
15	24	44	165	602	e300	e90	100	65	67	13	4.3	3.1
16	31	47	134	318	e600	e90	92	58	38	12	2.8	3.0
17	35	42	122	192	e400	e95	86	49	47	12	2.1	3.9
18	32	41	99	115	e240	e110	80	44	74	17	1.6	5.8
19	38	41	97	147	168	e120	76	40	58	15	2.1	4.5
20	64	40	e40	151	163	173	82	38	41	12	2.9	4.4
21	65	41	e70	121	148	270	90	35	28	9.3	3.2	6.7
22	66	41	78	101	135	342	87	36	22	8.2	3.4	5.7
23	57	40	111	88	122	353	248	39	17	13	3.0	3.8
24	50	43	e190	e80	e100	260	345	43	15	12	2.8	3.2
25	44	61	e160	e90	e90	288	294	42	13	9.0	2.6	3.3
26	40	72	113	e90	e90	286	199	37	9.7	7.9	2.3	8.0
27	37	e64	75	e85	e75	302	151	33	9.6	11	2.3	22
28	34	e110	65	e80	e80	439	124	32	8.1	11	2.2	19
29	32	e300	84	93	---	606	106	31	62	8.9	1.9	18
30	51	e200	78	83	---	515	151	29	267	7.8	2.8	15
31	74	---	106	e80	---	409	---	26	---	6.9	80	---
Total	1,115	2,539	5,185	6,346	4,747	6,814	9,903	2,022	1,113.4	915.0	193.8	400.4
Mean	36.0	84.6	167	205	170	220	330	65.2	37.1	29.5	6.25	13.3
Max	74	300	560	797	600	606	1,730	235	267	174	80	118
Min	20	40	40	80	60	60	76	26	8.1	6.9	1.6	3.0
Cfsm	0.35	0.83	1.64	2.01	1.66	2.15	3.24	0.64	0.36	0.29	0.06	0.13
In.	0.41	0.93	1.89	2.31	1.73	2.49	3.61	0.74	0.41	0.33	0.07	0.15

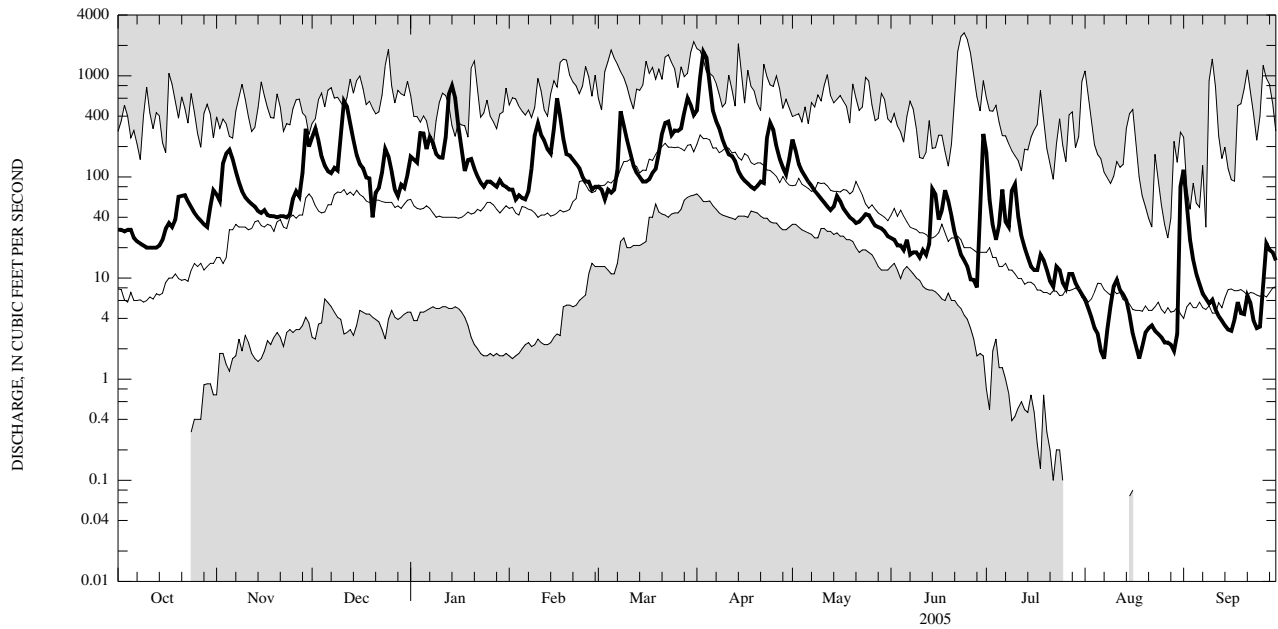
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	36.8	68.9	105	80.4	113	237	228	104	61.4	24.4	16.4	25.5
Max	257	249	330	205	455	484	618	259	502	167	131	249
(WY)	(1978)	(1978)	(1973)	(2005)	(1976)	(1978)	(1993)	(1989)	(1972)	(1972)	(1992)	(1977)
Min	0.16	2.85	4.08	3.66	19.1	69.0	52.1	31.1	8.73	0.94	0.02	0.03
(WY)	(1965)	(1965)	(1961)	(1961)	(1989)	(1965)	(1981)	(1987)	(1965)	(1965)	(1965)	(1965)

04235250 FLINT CREEK AT PHELPS, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1960 - 2005	
Annual total	52,879.7		41,293.6			
Annual mean	144		113		92.2	
Highest annual mean					162	1978
Lowest annual mean					32.2	1965
Highest daily mean	2,080	Apr 14	1,730	Apr 3	2,670	Jun 24, 1972
Lowest daily mean	8.7	Aug 27	1.6	Aug 7	0.00	Sep 16, 1962
Annual seven-day minimum	13	Aug 15	2.4	Aug 24	0.00	Sep 16, 1962
Annual runoff (cfsm)	1.42		1.11		0.904	
Annual runoff (inches)	19.29		15.06		12.28	
10 percent exceeds	362		269		235	
50 percent exceeds	67		64		38	
90 percent exceeds	19		5.5		3.7	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD. SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04235255 CANANDAIGUA OUTLET TRIBUTARY NEAR ALLOWAY, NY

Seneca Watershed

LOCATION.--Lat 43°00'21", long 77°00'54" referenced to North American Datum of 1927, Ontario County, Hydrologic Unit 04140201, at culvert on Pre-emption Road, 0.5 mi south of the Wayne-Ontario County line, 1.8 mi southwest of Alloway, and 2.9 mi upstream from Canandaigua Outlet.

DRAINAGE AREA.--2.94 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Annual maximum only--1978 to current year.

GAGE.--Crest-stage partial-record station. Elevation of gage is 490 ft above NGVD of 1929, from topographic map.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 155 ft³/s, May 30, 2002, gage height, 8.39 ft (previous datum).

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 3, 2005	140	---	5.15	3

Gage height qualification code:

3 - Gage height at different site and(or) datum

Water-Data Report NY-2005

04235396 OWASCO LAKE NEAR AUBURN, NY

Seneca Watershed

LOCATION.--Lat 42°54'14", long 76°32'22" referenced to North American Datum of 1927, Cayuga County, Hydrologic Unit 04140201, on right bank near downstream side of bridge in Emerson Park, 0.2 mi south of city limits of Auburn, and 1.0 mi upstream from State dam.

DRAINAGE AREA.--205 mi².

WATER-STAGE RECORDS

PERIOD OF RECORD.--October 1967 to current year. Records since 1912 collected by, and in files of, city of Auburn.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929. To convert elevations to adjustment of 1988, subtract 0.49 ft. Prior to May 1, 1982, nonrecording gage read once daily by employees of city of Auburn Water Division at same site and datum from reference mark at elevation 718.59 ft above NGVD of 1929.

COOPERATION.--Records furnished by city of Auburn until April 30, 1982.

REMARKS.--Lake elevation regulated by gates on outlet at State dam. Area of water surface, 10.6 mi². Telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum observed elevation, 716.48 ft, June 25, 1972; minimum observed elevation, 708.45 ft, Mar. 22, 23, 1993.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum observed elevation since 1912, 716.91 ft, Mar. 23, 1936, Apr. 9, 1940.

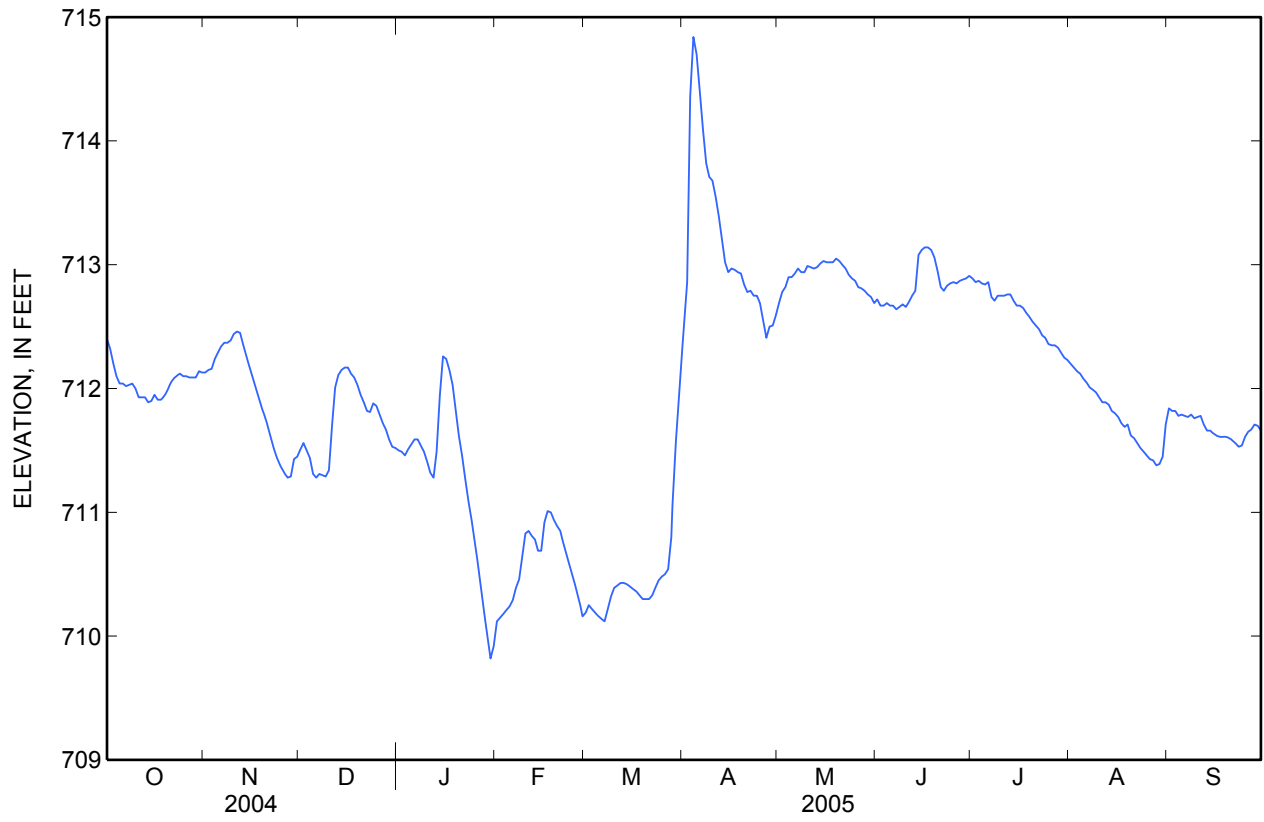
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 714.90 ft, Apr 4; minimum elevation, 709.67 ft, Jan 31.

04235396 OWASCO LAKE NEAR AUBURN, NY—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	712.40	712.13	711.51	711.50	710.12	710.19	712.49	712.69	712.72	712.89	712.20	711.84
2	712.32	712.15	711.56	711.49	710.15	710.25	712.86	712.78	712.67	712.86	712.17	711.82
3	712.20	712.16	711.50	711.46	710.18	710.22	714.36	712.82	712.67	712.87	712.14	711.82
4	712.10	712.24	711.44	711.51	710.21	710.19	714.84	712.90	712.69	712.85	712.12	711.78
5	712.04	712.29	711.31	711.55	710.24	710.16	714.70	712.90	712.67	712.84	712.08	711.79
6	712.04	712.34	711.28	711.59	710.29	710.14	714.40	712.93	712.67	712.86	712.05	711.78
7	712.02	712.37	711.31	711.59	710.39	710.12	714.09	712.97	712.64	712.74	712.01	711.77
8	712.03	712.37	711.30	711.54	710.46	710.22	713.82	712.94	712.66	712.71	711.99	711.79
9	712.04	712.39	711.29	711.49	710.64	710.32	713.71	712.94	712.68	712.75	711.97	711.76
10	712.00	712.44	711.34	711.41	710.83	710.39	713.68	712.99	712.66	712.75	711.93	711.77
11	711.93	712.46	711.71	711.32	710.85	710.41	713.55	712.98	712.70	712.75	711.89	711.78
12	711.93	712.45	712.01	711.28	710.81	710.43	713.39	712.97	712.75	712.76	711.89	711.71
13	711.93	712.35	712.11	711.49	710.78	710.43	713.20	712.98	712.79	712.76	711.87	711.66
14	711.89	712.26	712.15	711.94	710.69	710.42	713.02	713.01	713.08	712.71	711.82	711.66
15	711.90	712.17	712.17	712.26	710.69	710.40	712.94	713.03	713.12	712.67	711.80	711.64
16	711.95	712.08	712.17	712.24	710.92	710.38	712.97	713.02	713.14	712.67	711.77	711.62
17	711.91	712.00	712.12	712.15	711.01	710.36	712.96	713.02	713.14	712.65	711.72	711.61
18	711.91	711.92	712.09	712.03	711.00	710.33	712.94	713.02	713.12	712.61	711.69	711.61
19	711.94	711.83	712.03	711.83	710.94	710.30	712.93	713.05	713.06	712.58	711.71	711.61
20	711.98	711.75	711.95	711.62	710.89	710.30	712.84	713.03	712.95	712.54	711.62	711.60
21	712.04	711.67	711.89	711.46	710.85	710.30	712.78	713.00	712.82	712.51	711.60	711.58
22	712.08	711.58	711.82	711.27	710.74	710.33	712.79	712.97	712.79	712.48	711.56	711.56
23	712.10	711.49	711.81	711.09	710.66	710.39	712.75	712.92	712.83	712.43	711.52	711.53
24	712.12	711.41	711.88	710.94	710.56	710.45	712.75	712.89	712.85	712.41	711.49	711.54
25	712.10	711.36	711.86	710.76	710.48	710.48	712.69	712.87	712.86	712.36	711.46	711.61
26	712.10	711.32	711.79	710.60	710.38	710.50	712.55	712.82	712.85	712.35	711.43	711.65
27	712.09	711.28	711.72	710.38	710.28	710.54	712.41	712.81	712.87	712.35	711.42	711.67
28	712.09	711.29	711.67	710.19	710.16	710.80	712.50	712.79	712.88	712.33	711.38	711.71
29	712.09	711.43	711.59	710.00	---	711.34	712.51	712.76	712.89	712.29	711.39	711.70
30	712.14	711.45	711.53	709.82	---	711.79	712.59	712.74	712.91	712.25	711.45	711.66
31	712.13	---	711.52	709.92	---	712.16	---	712.69	---	712.23	711.71	---
Mean	712.05	711.95	711.72	711.28	710.58	710.49	713.20	712.91	712.84	712.61	711.77	711.69
Max	712.40	712.46	712.17	712.26	711.01	712.16	714.84	713.05	713.14	712.89	712.20	711.84
Min	711.89	711.28	711.28	709.82	710.12	710.12	712.41	712.69	712.64	712.23	711.38	711.53

04235396 OWASCO LAKE NEAR AUBURN, NY—Continued



04235440 OWASCO OUTLET AT GENESEE STREET, AUBURN, NY

Seneca Watershed

LOCATION.--Lat 42°55'56", long 76°33'55" referenced to North American Datum of 1927, Cayuga County, Hydrologic Unit 04140201, on left bank in city of Auburn combined sewer overflow building, approximately 200 ft upstream from Genesee Street, and 2.5 mi downstream from State Dam at outlet of Owasco Lake.

DRAINAGE AREA.--204 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1998 to current year. Records for November 1912 to September 1966, published as "Owasco Lake Outlet" and October 1966 to September 1998, published as "Owasco Outlet near Auburn" (station 04235500) at site 2.6 mi downstream, are not equivalent because of regulation between sites.

GAGE.--Water-stage recorder. Elevation of gage is 670 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good. Diurnal fluctuation caused by mills in Auburn; regulation at State Dam at outlet of lake. Telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,830 ft³/s, May 15, 2002, gage height, 5.73 ft; minimum discharge, 1.6 ft³/s, Mar. 30, 31, July 22, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,730 ft³/s, Apr 4, gage height, 8.34 ft; minimum discharge, 2.8 ft³/s, Aug 9.

04235440 OWASCO OUTLET AT GENESEE STREET, AUBURN, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	533	95	568	486	62	494	1,050	100	41	75	78	31
2	514	96	761	486	63	349	1,420	99	75	72	78	31
3	496	95	760	484	64	348	2,210	98	77	71	78	30
4	494	98	755	486	63	347	2,560	97	77	72	78	29
5	254	98	750	486	63	345	2,480	98	77	77	135	29
6	119	98	605	490	64	346	2,320	101	78	73	89	21
7	119	97	487	600	66	346	2,160	103	76	424	80	13
8	82	97	473	689	65	347	1,990	105	75	294	79	12
9	103	68	473	684	236	352	1,360	107	74	88	50	28
10	101	29	479	683	382	355	1,010	111	75	88	79	48
11	99	5.1	491	679	570	357	966	112	75	89	79	48
12	100	154	501	679	676	358	1,000	107	76	90	78	45
13	100	461	506	689	675	356	1,030	108	78	90	76	30
14	101	458	506	852	674	355	1,010	117	89	90	75	18
15	102	455	505	961	674	355	529	119	169	90	74	22
16	101	454	507	963	684	354	238	117	372	89	74	26
17	98	451	505	962	689	353	239	115	611	91	74	25
18	98	450	500	960	693	353	510	114	708	90	73	25
19	97	446	498	966	691	353	458	114	699	90	74	24
20	96	444	497	960	689	353	455	163	693	88	74	25
21	95	440	496	956	686	353	451	234	684	89	74	26
22	96	437	492	943	680	354	190	232	355	89	73	31
23	96	435	489	931	678	357	963	231	79	87	71	34
24	97	434	492	921	673	360	1,420	232	74	88	70	26
25	96	430	489	904	668	360	1,400	231	72	89	70	28
26	96	428	487	885	661	359	1,340	127	74	90	72	32
27	95	426	483	867	654	360	972	117	76	90	72	28
28	95	429	484	845	654	373	441	193	75	87	72	27
29	96	428	483	823	---	387	205	185	78	81	49	30
30	98	428	486	800	---	399	102	179	75	78	34	29
31	97	---	486	383	---	554	---	109	---	76	39	---
Total	4,864	8,964.1	16,494	23,503	13,197	11,392	32,479	4,275	5,937	3,175	2,271	851
Mean	157	299	532	758	471	367	1,083	138	198	102	73.3	28.4
Max	533	461	761	966	693	554	2,560	234	708	424	135	48
Min	82	5.1	473	383	62	345	102	97	41	71	34	12

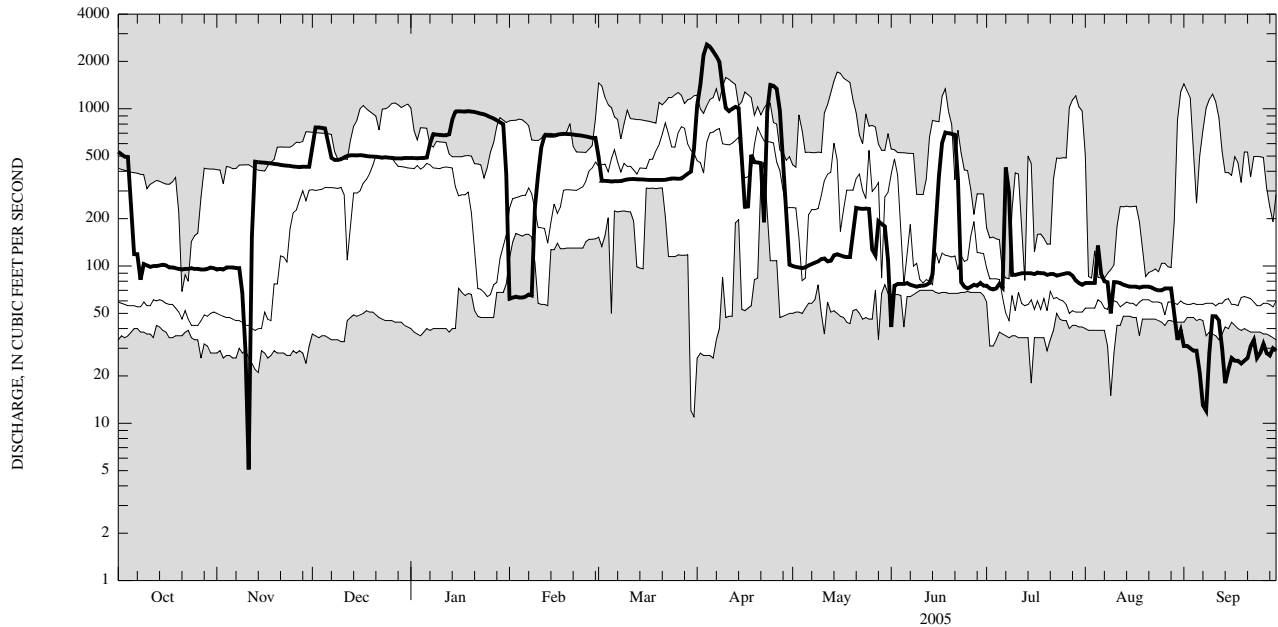
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	113	184	408	361	353	521	642	340	219	115	77.9	136
Max	217	491	823	758	580	644	1,083	685	399	316	167	579
(WY)	(2004)	(2004)	(2004)	(2005)	(2002)	(2004)	(2005)	(2002)	(2000)	(2004)	(2004)	(2004)
Min	39.0	28.7	64.0	177	151	245	211	88.1	67.4	45.5	43.8	28.4
(WY)	(2000)	(2002)	(1999)	(2001)	(2004)	(2002)	(1999)	(2001)	(1999)	(1999)	(1999)	(2005)

04235440 OWASCO OUTLET AT GENESEE STREET, AUBURN, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1998 - 2005	
Annual total	136,061.1		127,402.1			
Annual mean	372		349		290	
Highest annual mean					417	2004
Lowest annual mean					162	1999
Highest daily mean	1,440	Sep 1	2,560	Apr 4	2,560	Apr 4, 2005
Lowest daily mean	5.1	Nov 11	5.1	Nov 11	5.1	Nov 11, 2004
Annual seven-day minimum	70	Nov 5	23	Sep 3	23	Mar 30, 1999
10 percent exceeds	842		777		725	
50 percent exceeds	392		169		131	
90 percent exceeds	78		50		42	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04235600 SENECA RIVER NEAR PORT BYRON, NY

Seneca Watershed

LOCATION.--Lat 43°04'43", long 76°38'45" referenced to North American Datum of 1927, Cayuga County, Hydrologic Unit 04140201, on right bank , 50 ft upstream of State Highway 38 bridge, 3.0 mi north of Port Byron, and 10.1 mi upstream from Cross Lake.

DRAINAGE AREA.--2815 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1996 to current year.

GAGE.--Acoustic velocity meter, water-stage recorder, and crest-stage gage. Datum of gage is 369.60 ft above NGVD of 1929.

COOPERATION.--Records of gate openings, lockages, and elevations of water surface in Erie (Barge) Canal above and below Lock 24 & 25, furnished by New York State Thruway Authority, Office of Canals.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. A large amount of natural storage and some artificial regulation is afforded by many large lakes and the Erie (Barge) Canal system in the river basin. Seneca River basin receives water from Erie (Barge) Canal through lock 32 near Pittsford. During part of the year, entire flow from 45.5 mi² of Mud Creek drainage area may be diverted from Chemung River basin into Keuka Lake in Oswego River basin. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 13,600 ft³/s, Jan. 11, 1998; minimum daily discharge, 258 ft³/s, Jan. 22, 2002. Maximum and minimum instantaneous discharges not determined.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 12,800 ft³/s, Apr 5; minimum daily discharge, 558 ft³/s, Aug 28. Maximum and minimum instantaneous discharges not determined.

04235600 SENECA RIVER NEAR PORT BYRON, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	4,270	1,080	4,650	5,510	5,220	7,380	7,600	7,280	1,210	1,050	946	2,310
2	4,160	1,300	5,400	5,810	5,230	7,110	7,730	7,320	1,140	1,040	897	1,670
3	4,070	1,770	5,770	5,750	5,410	7,000	10,600	7,090	1,120	1,060	814	1,180
4	4,190	2,460	5,410	5,890	5,460	6,880	11,700	6,750	1,200	990	884	1,120
5	4,040	3,380	5,070	6,100	5,540	6,840	12,800	6,460	1,320	917	691	974
6	3,840	4,040	4,980	6,150	5,660	6,670	12,500	6,040	1,270	1,170	701	934
7	3,380	4,310	5,060	6,130	5,760	6,550	12,300	5,730	1,270	1,150	670	962
8	2,860	4,330	5,240	6,330	5,930	6,630	11,500	5,610	1,260	1,240	751	760
9	2,770	4,240	5,360	6,150	6,190	6,970	10,600	3,690	1,210	1,200	967	774
10	2,730	4,460	5,480	5,960	6,870	6,920	9,840	2,690	1,190	1,420	846	826
11	2,730	4,490	6,240	5,830	7,350	6,820	9,330	2,400	1,290	1,520	834	885
12	2,110	4,480	7,150	6,060	7,620	6,470	8,880	2,200	1,170	1,740	729	e753
13	1,250	4,730	7,270	6,840	7,610	6,200	8,480	2,140	1,310	e1,800	778	e725
14	1,110	4,780	6,870	7,850	7,560	5,760	8,220	2,090	1,690	1,880	592	e664
15	906	4,800	6,400	8,460	7,600	4,630	7,840	2,170	2,740	1,860	758	e654
16	929	4,780	6,180	8,450	8,340	3,900	7,270	2,360	3,440	1,810	823	e684
17	939	4,790	5,860	7,810	8,690	3,390	7,170	2,100	3,830	1,670	798	e654
18	939	4,780	5,580	7,120	8,480	2,730	7,250	1,700	3,960	1,840	635	e715
19	814	4,770	5,360	6,810	7,970	2,460	7,260	1,560	4,100	1,600	622	e715
20	719	4,780	5,280	6,540	7,530	2,390	7,420	1,480	3,990	1,200	592	e684
21	819	4,770	5,380	6,260	7,180	2,490	7,500	1,550	3,840	1,110	752	e684
22	901	4,670	5,310	5,920	7,000	3,250	7,440	1,440	3,350	1,030	692	e684
23	911	4,640	5,450	5,780	7,280	4,070	7,730	1,330	2,660	1,080	827	e684
24	962	4,660	5,450	6,040	7,510	4,180	8,700	1,310	2,520	1,010	796	750
25	933	4,650	5,640	6,100	7,550	4,200	9,080	1,510	2,440	1,020	725	835
26	918	3,840	5,670	6,120	7,570	4,470	9,020	1,470	2,060	888	778	885
27	858	2,750	5,460	6,010	7,520	4,600	8,540	1,370	1,570	891	621	986
28	813	2,850	5,290	5,940	7,480	5,130	7,560	1,420	1,150	1,190	558	1,110
29	810	3,640	5,160	5,820	---	6,070	7,090	1,430	1,030	1,100	594	1,230
30	899	4,330	5,160	5,780	---	6,550	6,900	1,400	1,020	1,040	625	1,360
31	1,010	---	5,300	5,690	---	7,170	---	1,400	---	990	1,560	---
Total	58,590	119,350	173,880	197,010	195,110	165,880	265,850	94,490	61,350	39,506	23,856	27,851
Mean	1,890	3,978	5,609	6,355	6,968	5,351	8,862	3,048	2,045	1,274	770	928
Max	4,270	4,800	7,270	8,460	8,690	7,380	12,800	7,320	4,100	1,880	1,560	2,310
Min	719	1,080	4,650	5,510	5,220	2,390	6,900	1,310	1,020	888	558	654

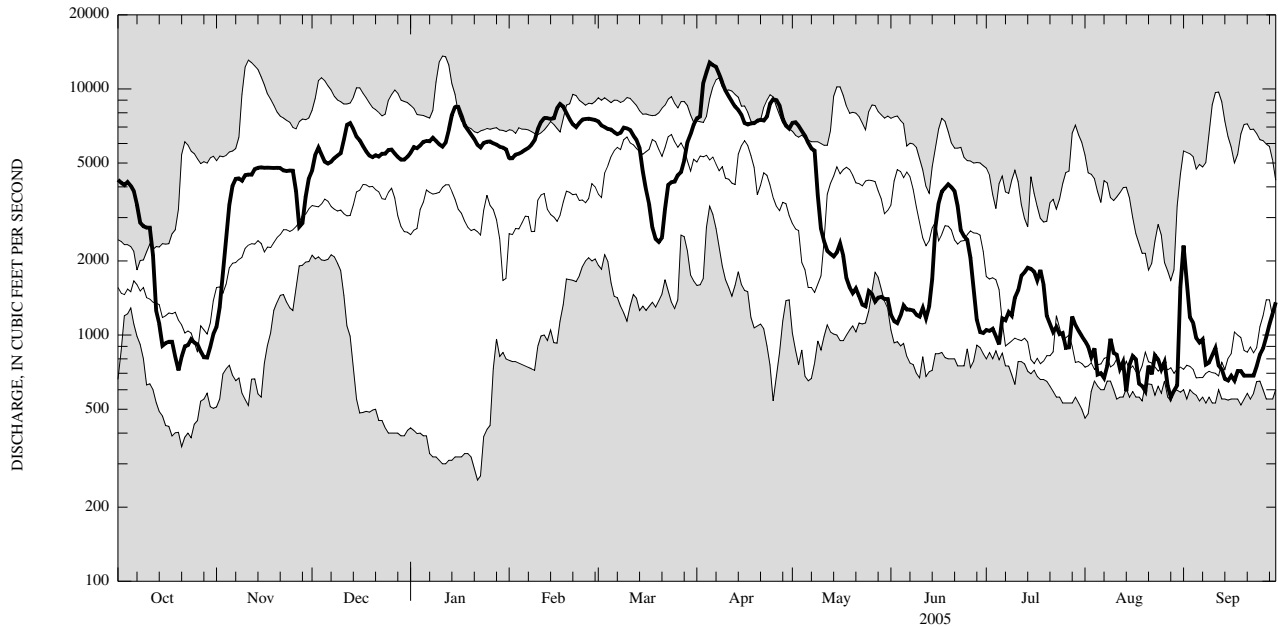
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,578	3,241	4,243	3,870	3,996	5,388	5,239	3,678	2,970	1,536	1,278	1,525
Max	3,013	8,247	8,876	7,671	7,590	8,483	8,862	6,274	5,302	2,743	2,694	6,318
(WY)	(1997)	(1997)	(1997)	(1998)	(1998)	(1998)	(2005)	(2000)	(2002)	(2004)	(2004)	(2004)
Min	810	1,287	1,186	676	2,134	1,684	2,126	1,234	998	786	602	611
(WY)	(2002)	(2000)	(1999)	(2002)	(1997)	(2002)	(1997)	(1999)	(1999)	(2001)	(2001)	(1998)

04235600 SENECA RIVER NEAR PORT BYRON, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1997 - 2005	
Annual total	1,636,134		1,422,723			
Annual mean	4,470		3,898		3,206	
Highest annual mean					4,576	2004
Lowest annual mean					1,840	1999
Highest daily mean	9,710	Sep 12	12,800	Apr 5	13,600	Jan 11, 1998
Lowest daily mean	719	Oct 20	558	Aug 28	258	Jan 22, 2002
Annual seven-day minimum	841	Jul 2	671	Aug 24	310	Jan 8, 1999
10 percent exceeds	7,260		7,520		7,080	
50 percent exceeds	4,680		3,840		2,330	
90 percent exceeds	1,490		797		690	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

Water-Data Report NY-2005

04237411 SENECA RIVER, MOUTH AT STATE DITCH, NEAR JORDAN, NY

Seneca Watershed

LOCATION.--Lat 43°06'54", long 76°26'21" referenced to North American Datum of 1927, Onondaga County, Hydrologic Unit 04140201, on right bank 700 ft downstream from Bridge on Plainville Road, 1.2 mi north of Jack's Reef.

DRAINAGE AREA.--3093 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1996 to current year.

GAGE.--Water-stage recorder. Datum of gage is 371.82 ft above NGVD of 1929.

REMARKS.--A large amount of natural storage and some artificial regulation is afforded by many large lakes and the Erie (Barge) Canal system in the river basin. Seneca River basin receives water from Erie (Barge) Canal through Lock 32 near Pittsford. During part of year, entire flow from 45.5 mi² of Mud Creek drainage area may be diverted from Chemung River basin into Keuka Lake in Oswego River basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 6.51 ft, Apr. 6, 2005; minimum recorded gage height, 0.02 ft, Jan. 28, 2003 (minimum recordable) but was lower during period of Jan. 28 to Feb. 21, 2003 as a result of regulation.

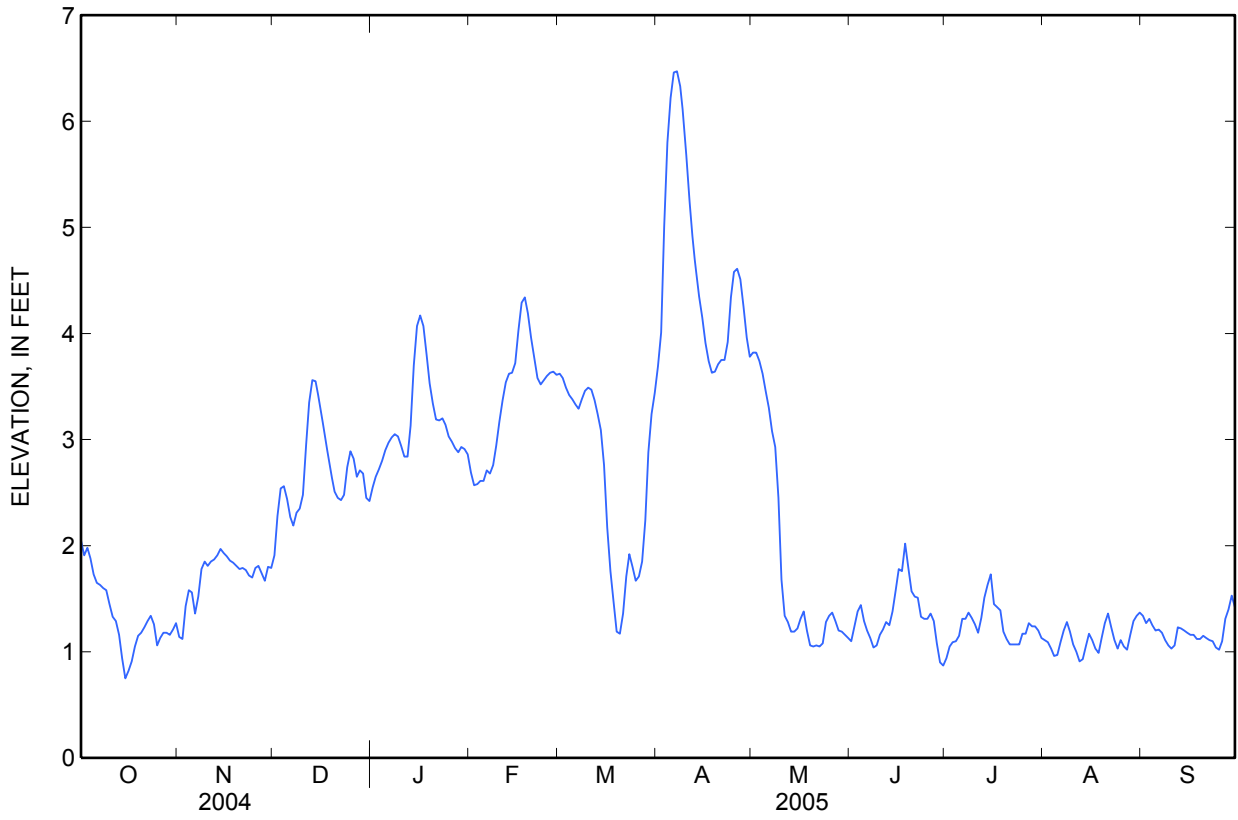
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 6.51 ft, Apr 6; minimum gage height, 0.70 ft, Oct 15.

04237411 SENECA RIVER, MOUTH AT STATE DITCH, NEAR JORDAN, NY—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.05	1.14	1.91	2.55	2.69	3.62	3.69	3.82	1.10	0.94	1.11	1.34
2	1.91	1.12	2.28	2.65	2.57	3.58	4.01	3.82	1.24	1.05	1.09	1.27
3	1.98	1.43	2.54	2.72	2.58	3.49	5.01	3.74	1.38	1.09	1.03	1.31
4	1.88	1.58	2.56	2.80	2.61	3.42	5.80	3.62	1.44	1.10	0.96	1.25
5	1.73	1.56	2.44	2.90	2.61	3.38	6.22	3.46	1.29	1.15	0.97	1.20
6	1.65	1.36	2.27	2.97	2.71	3.33	6.46	3.30	1.20	1.31	1.09	1.21
7	1.63	1.52	2.19	3.02	2.68	3.29	6.47	3.08	1.13	1.31	1.20	1.18
8	1.60	1.78	2.31	3.05	2.76	3.38	6.33	2.93	1.04	1.37	1.28	1.11
9	1.58	1.85	2.35	3.03	2.94	3.46	6.05	2.45	1.06	1.32	1.19	1.06
10	1.45	1.81	2.48	2.94	3.17	3.49	5.65	1.68	1.16	1.26	1.07	1.03
11	1.33	1.85	2.95	2.84	3.37	3.47	5.24	1.34	1.21	1.18	1.00	1.06
12	1.29	1.87	3.35	2.84	3.54	3.37	4.88	1.28	1.28	1.32	0.91	1.23
13	1.16	1.91	3.56	3.13	3.62	3.24	4.59	1.19	1.25	1.51	0.93	1.22
14	0.94	1.97	3.55	3.70	3.63	3.09	4.35	1.19	1.38	1.63	1.05	1.20
15	0.75	1.93	3.39	4.07	3.72	2.76	4.15	1.22	1.58	1.73	1.17	1.18
16	0.82	1.90	3.20	4.17	4.03	2.17	3.91	1.31	1.78	1.45	1.11	1.16
17	0.91	1.86	3.04	4.07	4.29	1.76	3.74	1.38	1.76	1.42	1.03	1.16
18	1.05	1.84	2.83	3.80	4.34	1.48	3.63	1.20	2.02	1.39	0.99	1.12
19	1.15	1.81	2.68	3.53	4.19	1.19	3.64	1.06	1.79	1.19	1.13	1.12
20	1.18	1.78	2.51	3.34	3.96	1.17	3.71	1.05	1.57	1.12	1.27	1.15
21	1.23	1.79	2.45	3.19	3.77	1.36	3.75	1.06	1.52	1.07	1.36	1.13
22	1.29	1.77	2.43	3.18	3.58	1.71	3.75	1.05	1.51	1.07	1.23	1.11
23	1.34	1.72	2.48	3.20	3.52	1.92	3.92	1.08	1.33	1.07	1.11	1.10
24	1.26	1.70	2.74	3.14	3.56	1.80	4.34	1.28	1.31	1.07	1.03	1.04
25	1.06	1.79	2.89	3.03	3.60	1.67	4.58	1.34	1.31	1.17	1.11	1.02
26	1.13	1.81	2.82	2.98	3.63	1.71	4.61	1.37	1.36	1.17	1.05	1.10
27	1.18	1.74	2.65	2.92	3.64	1.85	4.51	1.29	1.29	1.27	1.02	1.31
28	1.18	1.67	2.71	2.88	3.61	2.24	4.25	1.20	1.08	1.24	1.16	1.40
29	1.16	1.80	2.68	2.93	---	2.88	3.96	1.19	0.90	1.24	1.29	1.53
30	1.21	1.79	2.45	2.91	---	3.24	3.78	1.16	0.87	1.20	1.34	1.42
31	1.27	---	2.42	2.86	---	3.44	---	1.13	---	1.13	1.37	---
Mean	1.33	1.72	2.68	3.14	3.39	2.64	4.63	1.85	1.34	1.24	1.12	1.19
Max	2.05	1.97	3.56	4.17	4.34	3.62	6.47	3.82	2.02	1.73	1.37	1.53
Min	0.75	1.12	1.91	2.55	2.57	1.17	3.63	1.05	0.87	0.94	0.91	1.02

04237411 SENECA RIVER, MOUTH AT STATE DITCH, NEAR JORDAN, NY—Continued



04237500 SENECA RIVER AT BALDWINVILLE, NY

Seneca Watershed

LOCATION.--Lat 43°09'25", long 76°19'55" referenced to North American Datum of 1927, Onondaga County, Hydrologic Unit 04140201, on left bank 200 ft downstream from bridge on State Highways 31 and 48 in Baldwinsville, and 400 ft downstream from navigation dam at Lock 24 of New York State Erie (Barge) Canal.

DRAINAGE AREA.--3138 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1949 to current year in reports of Geological Survey. November 1898 to December 1908, prior to construction of Erie (Barge) Canal, not equivalent to later records at same site because of extensive development of Erie (Barge) Canal system. January 1909 to September 1925 (gage heights only) in reports of State Engineer and Surveyor.

REVISED RECORDS.--WDR NY-78-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 361.38 ft above NGVD of 1929 (362.60 ft Erie (Barge) Canal Datum). Prior to Dec. 31, 1908, nonrecording gage at same site at different datum. Auxiliary water-stage recorder 1,500 ft downstream from base gage at same datum.

COOPERATION.--Records of lockages at Lock 24 furnished by New York State Thruway Authority, Office of Canals.

REMARKS.—No estimated daily discharges. Records good. Discharge from 1898 to 1908 determined on basis of head on dam, flow through 10 mills nearby, lockages at Oswego Canal lock, estimated leakage of dam, wheel gates, flumes, and penstocks; not adjusted for inflow from Lake Erie through Erie (Barge) Canal. Discharge, from November 1949 to September 1996, computed by using fall as determined by auxiliary water-stage recorder. Published discharge represents the total flow at Baldwinsville and includes flow in Erie (Barge) Canal. A large amount of natural storage and some artificial regulation is afforded by many large lakes and the Erie (Barge) Canal system in the river basin. Large diurnal fluctuations at low and medium flows caused by powerplants upstream from station. Seneca River basin receives water from Erie (Barge) Canal through Lock 32 near Pittsford. During part of year, entire flow from 45.5 mi² of Mud Creek drainage area may be diverted from Chemung River basin into Keuka Lake in Oswego River basin. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 18,100 ft³/s, Apr. 27, 1993, maximum gage height, 9.63 ft, Apr. 26, 27, 1993; minimum daily discharge, 34 ft³/s, Sept. 17, 1985, result of extreme regulation. Maximum and minimum instantaneous discharges not determined.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 13,800 ft³/s, Apr. 6, 7; minimum daily discharge, 99 ft³/s, Aug. 28. Maximum and minimum instantaneous discharges not determined.

04237500 SENECA RIVER AT BALDWINVILLE, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	5,070	1,650	5,230	6,060	6,100	7,840	8,080	8,780	1,090	916	1,090	4,110
2	4,290	1,310	5,890	6,150	5,780	7,770	8,830	8,770	871	926	1,140	2,250
3	4,330	1,770	6,260	6,250	5,720	7,490	11,200	8,640	1,030	935	1,020	1,310
4	4,590	2,890	6,040	6,490	5,920	7,270	12,700	8,350	1,220	919	1,020	1,370
5	4,410	4,340	5,750	6,600	5,940	7,160	13,400	7,980	1,540	901	415	928
6	4,220	4,900	5,490	6,770	6,010	7,080	13,800	7,550	1,260	1,070	441	662
7	3,580	4,710	5,420	6,920	5,950	6,990	13,800	7,220	1,290	1,140	172	728
8	3,010	4,810	5,580	6,970	6,070	7,550	13,600	6,950	1,270	1,490	788	709
9	2,770	5,160	5,600	6,860	6,460	7,800	13,100	6,080	1,020	1,880	1,120	740
10	3,070	5,260	5,900	6,650	7,070	7,720	12,300	4,490	1,110	1,790	993	724
11	3,090	5,110	6,960	6,430	7,440	7,500	11,500	2,920	1,090	1,540	997	360
12	2,440	5,150	7,770	6,400	7,830	7,270	10,700	2,370	1,180	1,710	968	529
13	1,640	5,160	8,240	7,170	7,900	6,970	10,100	2,390	1,320	2,090	595	742
14	1,470	5,300	8,060	8,740	7,890	6,590	9,700	2,430	1,450	2,180	113	721
15	1,100	5,360	7,560	9,260	8,340	6,000	9,360	2,390	2,360	3,250	602	705
16	976	5,280	7,170	9,290	9,030	5,170	9,010	2,350	3,580	3,200	874	697
17	928	5,230	6,940	9,080	9,360	4,140	8,750	2,470	4,180	2,770	889	680
18	989	5,190	6,630	8,610	9,420	3,370	8,600	2,270	4,030	3,960	413	674
19	1,020	5,160	6,340	8,010	9,150	2,810	8,440	1,800	5,280	3,000	104	606
20	1,010	5,130	5,990	7,500	8,670	2,250	8,550	1,650	4,770	1,630	182	635
21	1,200	5,100	5,970	7,000	8,190	2,060	8,660	1,710	4,520	1,150	851	650
22	1,260	5,090	5,990	7,010	7,810	2,770	8,550	1,730	3,890	1,100	1,020	632
23	1,300	5,090	5,940	7,440	7,710	4,280	8,890	1,420	2,890	1,110	936	619
24	1,730	5,070	5,770	8,310	7,800	4,610	9,560	1,370	2,500	1,010	579	660
25	1,340	5,160	6,040	8,080	7,920	4,530	9,940	1,640	2,310	695	548	677
26	1,020	4,640	6,350	7,950	7,940	4,600	9,940	1,670	2,120	958	779	656
27	1,040	3,400	6,260	8,300	7,940	4,770	9,700	1,710	1,720	890	321	669
28	1,030	3,370	5,400	7,750	7,810	5,350	9,340	1,570	1,640	1,270	99	787
29	995	4,180	5,780	7,210	---	6,500	8,920	1,400	1,160	1,120	121	1,160
30	971	4,930	5,730	6,610	---	7,230	8,660	1,410	1,050	1,250	844	1,420
31	1,410	---	5,790	6,370	---	7,560	---	1,310	---	1,190	2,910	---
Total	67,299	134,900	193,840	228,240	209,170	181,000	307,680	114,790	64,741	49,040	22,944	27,810
Mean	2,171	4,497	6,253	7,363	7,470	5,839	10,260	3,703	2,158	1,582	740	927
Max	5,070	5,360	8,240	9,290	9,420	7,840	13,800	8,780	5,280	3,960	2,910	4,110
Min	928	1,310	5,230	6,060	5,720	2,060	8,080	1,310	871	695	99	360

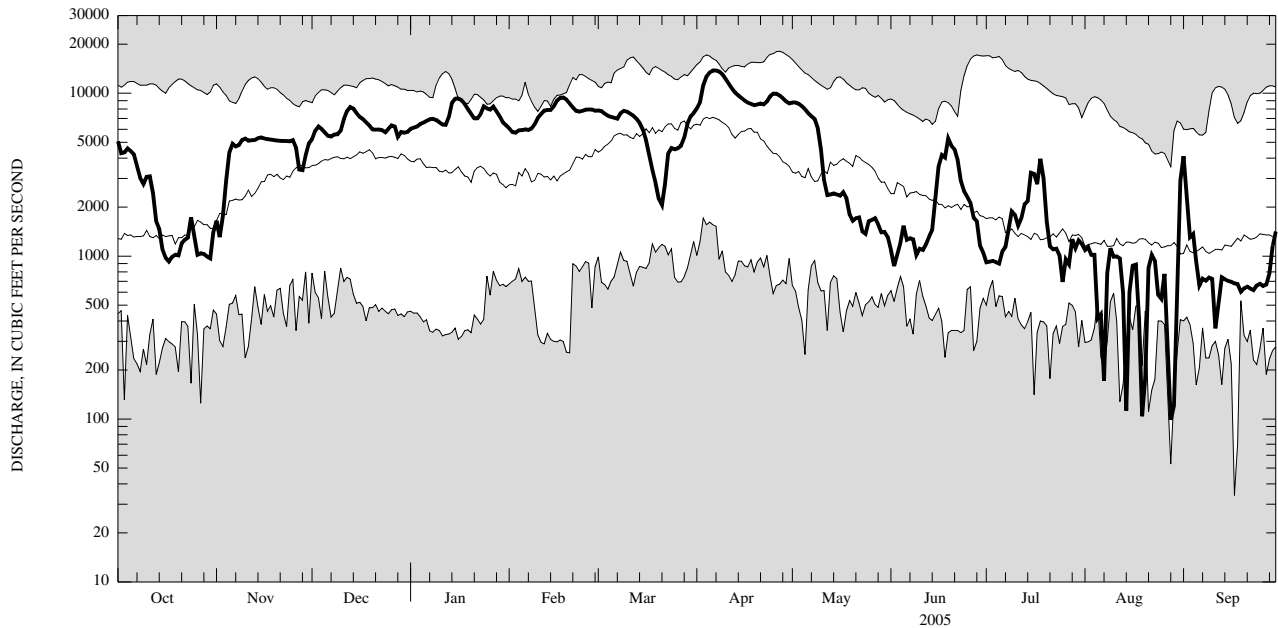
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	2,126	3,360	4,427	4,001	3,954	5,855	6,081	4,071	2,737	1,926	1,538	1,521
Max	11,020	9,491	10,330	8,807	8,313	11,650	15,610	9,778	6,456	12,100	6,214	7,523
(WY)	(1978)	(1978)	(1978)	(1978)	(1976)	(1956)	(1993)	(1996)	(1972)	(1972)	(1992)	(2004)
Min	572	675	778	805	965	1,606	1,317	719	592	621	576	421
(WY)	(1986)	(1958)	(1961)	(1954)	(1980)	(1965)	(1981)	(1995)	(1995)	(1985)	(2001)	(1995)

04237500 SENECA RIVER AT BALDWINVILLE, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1950 - 2005	
Annual total	1,885,638		1,601,454			
Annual mean	5,152		4,388		3,461	
Highest annual mean					5,998	1978
Lowest annual mean					1,357	1965
Highest daily mean	11,000	Sep 12	13,800	Apr 6	18,100	Apr 27, 1993
Lowest daily mean	425	Jul 7	99	Aug 28	34	Sep 17, 1985
Annual seven-day minimum	863	Jul 2	454	Aug 14	283	Sep 23, 1988
10 percent exceeds	8,250		8,650		7,700	
50 percent exceeds	5,300		4,340		2,390	
90 percent exceeds	1,660		741		840	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04237555 SENECA RIVER (UPSTREAM ONONDAGA OUTLET) AT KLEIN ISLAND, NY

Seneca Watershed

LOCATION.--Lat 43°07'15.7", long 76°15'10.5" referenced to North American Datum of 1927, Onondaga County, Hydrologic Unit 04140201, on pilings along right bank, approx. 700 ft upstream from the mouth of Onondaga Lake Outlet at Klein Island.

DRAINAGE AREA.--3158 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 2003 to current year.

GAGE.--Acoustic velocity meter and water-stage recorder. Datum of gage is 300.00 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges and for those during July through September, which are fair. Considerable seasonal regulation by operation of gates in Seneca River and Erie (Barge) Canal. A large amount of natural storage and some artificial regulation is afforded by many large lakes and the Erie (Barge) Canal system in the river basin. Large diurnal fluctuations at low and medium flows caused by powerplants upstream from station. Seneca River basin receives water from Erie (Barge) Canal through Lock 32 near Pittsford. During part of year, entire flow from 45.5 mi² of Mud Creek drainage area may be diverted from Chemung River basin into Keuka Lake in Oswego River basin. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 5200 ft³/s, Apr. 8, 2005; minimum daily discharge, -107 ft³/s, Aug. 28, 2005. Maximum and minimum instantaneous discharges not determined.

EXTREMES FOR CURRENT PERIOD.--November 2003 to September 2004: Maximum daily discharge, 4,830 ft³/s, Sep. 12; minimum daily discharge, -105 ft³/s, July 8.

Water year 2005: Maximum daily discharge, 5,200 ft³/s, Apr. 8; minimum daily discharge, -107 ft³/s, Aug. 28. Maximum and minimum instantaneous discharges not determined.

04237555 SENECA RIVER (UPSTREAM ONONDAGA OUTLET) AT KLEIN ISLAND, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	3,340	4,040	1,670	983	3,160	2,780	3,690	172	3,570	2,620
2	---	---	3,170	4,050	1,130	1,200	3,100	2,740	3,610	265	3,220	2,830
3	---	---	3,080	4,030	1,180	2,310	3,150	2,710	3,700	215	3,050	2,990
4	---	---	3,000	3,810	1,500	3,060	3,400	3,000	3,710	207	2,850	3,110
5	---	---	2,910	3,820	1,670	3,700	3,520	3,020	3,660	261	2,680	3,040
6	---	2,200	2,780	e3,800	1,820	3,980	3,500	3,040	3,390	130	2,250	3,010
7	---	2,210	2,680	e3,700	1,740	4,030	3,480	2,950	3,020	-48	2,020	2,970
8	---	2,130	2,730	e3,500	1,410	3,970	3,450	2,950	2,780	-105	2,070	2,970
9	---	2,160	2,700	e3,200	1,410	3,800	3,070	2,930	2,520	37	2,070	3,320
10	---	1,820	2,690	e3,200	1,480	3,540	2,530	2,930	2,370	158	1,870	4,040
11	---	1,820	2,680	e3,500	1,490	3,280	2,180	2,870	2,030	132	1,480	4,640
12	---	1,890	2,740	e3,400	1,610	3,100	1,710	2,830	2,020	626	1,210	4,830
13	---	1,970	3,070	e3,300	1,650	2,890	1,490	2,830	2,000	982	1,200	4,730
14	---	2,040	3,320	e3,200	1,730	2,710	2,030	2,760	2,070	1,320	1,320	4,610
15	---	2,130	3,220	e2,800	1,680	2,630	2,980	2,690	1,940	2,390	1,040	4,260
16	---	2,170	3,180	e2,400	e1,700	2,440	3,540	2,720	1,700	2,540	825	3,790
17	---	2,130	3,190	e2,800	e1,300	2,270	3,710	2,820	1,200	2,330	945	3,360
18	---	2,170	3,180	e3,000	e1,200	2,350	3,620	2,930	1,160	1,800	744	3,080
19	---	2,190	3,260	e3,100	e950	2,280	3,560	2,810	1,210	1,930	878	3,250
20	---	2,390	3,250	e3,100	866	2,260	3,460	2,650	1,320	1,940	1,210	3,570
21	---	2,930	3,280	e3,000	870	2,260	3,560	2,430	1,420	1,910	916	3,660
22	---	3,210	3,190	3,080	836	2,250	3,410	2,280	1,240	2,050	1,320	3,730
23	---	3,190	3,150	2,830	907	2,420	3,330	2,280	657	2,070	897	3,720
24	---	3,010	3,420	2,620	e1,100	2,350	3,350	2,510	389	1,980	1,440	3,730
25	---	2,900	3,780	2,470	1,090	2,250	3,350	3,240	646	2,000	1,810	3,550
26	---	2,870	4,200	2,280	1,130	2,210	3,150	3,770	743	1,480	1,640	3,490
27	---	2,740	4,340	2,490	1,150	2,510	3,150	4,050	541	1,640	1,030	3,470
28	---	2,730	4,460	2,440	1,080	2,960	3,080	4,080	463	3,050	621	3,330
29	---	3,020	4,340	1,900	1,240	3,320	3,090	3,940	511	3,780	795	3,180
30	---	3,160	4,360	1,740	---	3,330	2,970	3,840	377	3,920	1,460	2,880
31	---	---	4,140	1,690	---	3,270	---	3,910	---	3,770	2,280	---
Total	---	---	102,830	94,290	38,589	85,913	93,080	93,290	56,087	44,932	50,711	105,760
Mean	---	---	3,317	3,042	1,331	2,771	3,103	3,009	1,870	1,449	1,636	3,525
Max	---	---	4,460	4,050	1,820	4,030	3,710	4,080	3,710	3,920	3,570	4,830
Min	---	---	2,680	1,690	836	983	1,490	2,280	377	-105	621	2,620

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2004, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	---	---	3,317	3,042	1,331	2,771	3,103	3,009	1,870	1,449	1,636	3,525
Max	---	---	3,317	3,042	1,331	2,771	3,103	3,009	1,870	1,449	1,636	3,525
(WY)	(---	(---	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)
Min	---	---	3,317	3,042	1,331	2,771	3,103	3,009	1,870	1,449	1,636	3,525
(WY)	(---	(---	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)

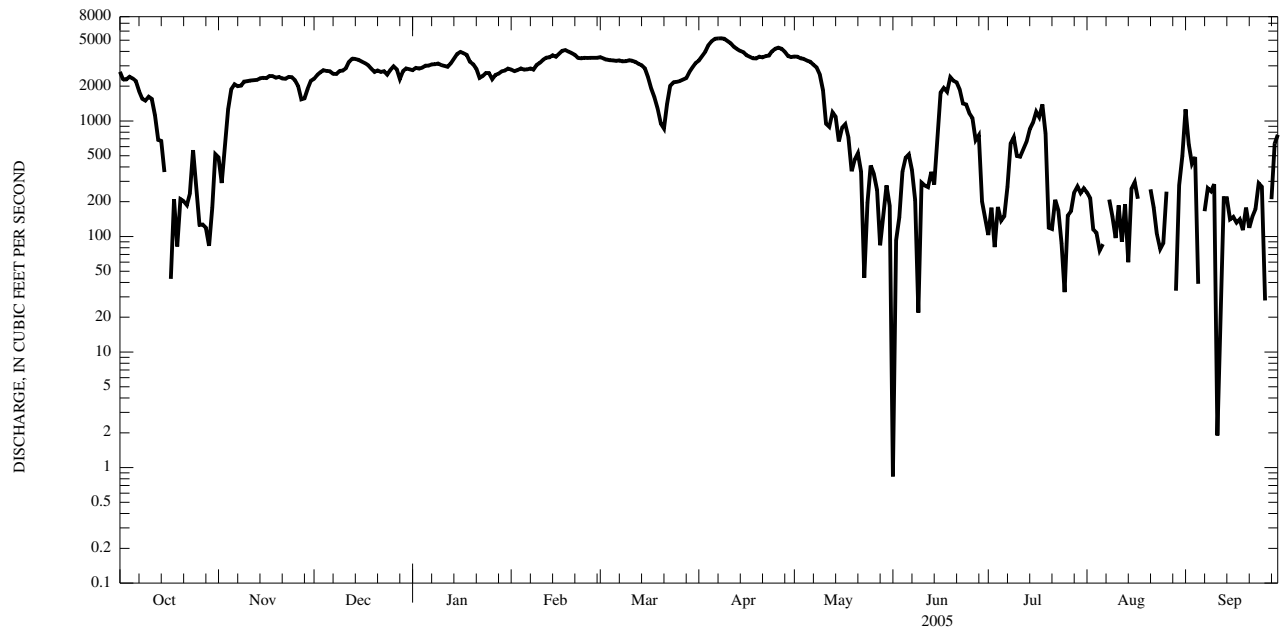
04237555 SENECA RIVER (UPSTREAM ONONDAGA OUTLET) AT KLEIN ISLAND, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2,670	484	2,320	2,750	2,790	3,570	3,340	3,610	0.84	103	240	1,260
2	2,280	291	2,500	2,880	2,700	3,480	3,640	3,600	93	178	214	630
3	2,290	651	2,640	2,840	2,760	3,400	3,970	3,490	147	81	115	426
4	2,420	1,260	2,750	2,900	2,850	3,360	4,540	3,440	369	180	108	487
5	2,330	1,890	2,710	3,010	2,780	3,350	4,910	3,330	481	137	76	39
6	2,220	2,080	2,690	3,010	2,800	3,310	5,150	3,260	515	150	86	-26
7	1,820	2,000	2,560	3,090	2,850	3,350	5,180	3,070	377	270	-30	166
8	1,560	2,020	2,550	3,100	2,780	3,280	5,200	2,910	207	644	209	262
9	1,500	2,190	2,710	3,150	3,050	3,290	5,140	2,530	22	725	149	246
10	1,620	2,210	2,730	3,050	3,190	3,360	4,920	1,850	293	499	97	283
11	1,550	2,240	2,860	3,000	3,390	3,320	4,700	946	276	491	186	1.9
12	1,120	2,250	3,250	2,940	3,530	3,250	4,380	892	268	570	90	24
13	687	2,270	3,470	3,160	3,560	3,120	4,200	1,190	362	661	e190	215
14	672	2,340	3,440	3,450	e3,700	3,040	4,040	1,090	282	848	e60	215
15	361	2,360	3,390	3,800	e3,600	2,860	3,940	666	788	967	261	141
16	-1.2	2,350	3,270	3,960	3,820	2,390	3,700	873	1,760	1,200	296	148
17	43	2,450	3,170	3,860	4,050	1,910	3,600	937	1,930	1,080	212	132
18	210	2,450	3,040	3,740	4,120	1,600	3,490	716	1,790	1,390	-99	141
19	82	2,370	2,830	3,260	3,980	1,280	3,480	367	2,400	779	-74	114
20	211	2,410	2,660	3,110	3,870	953	3,610	464	2,230	119	-11	178
21	202	2,330	2,740	2,830	3,740	861	3,560	528	2,160	116	256	119
22	187	2,320	2,660	2,360	3,510	1,390	3,640	364	1,880	208	178	148
23	236	2,410	2,700	2,450	3,490	2,020	3,680	44	1,420	168	104	173
24	559	2,390	2,520	e2,600	3,520	2,160	4,010	196	1,390	87	78	289
25	255	2,260	2,760	e2,600	3,510	2,180	4,220	411	1,170	33	88	269
26	126	2,010	2,970	e2,300	3,520	2,220	4,320	347	1,060	152	245	28
27	127	1,540	2,800	e2,500	3,520	2,280	4,220	253	684	166	-43	-11
28	119	1,570	2,300	2,570	3,520	2,350	3,970	84	754	242	-107	211
29	83	e1,900	2,700	2,690	---	2,660	3,660	154	201	272	34	638
30	178	2,230	2,850	2,740	---	2,930	3,580	277	142	238	278	760
31	516	---	2,810	2,840	---	3,180	---	184	---	261	500	---
Total	28,232.8	59,526	87,350	92,540	94,500	81,704	123,990	42,073	25,451.84	13,015	3,986	7,706.9
Mean	911	1,984	2,818	2,985	3,375	2,636	4,133	1,357	848	420	129	257
Max	2,670	2,450	3,470	3,960	4,120	3,570	5,200	3,610	2,400	1,390	500	1,260
Min	-1.2	291	2,300	2,300	2,700	861	3,340	44	0.84	33	-107	-26

04237555 SENECA RIVER (UPSTREAM ONONDAGA OUTLET) AT KLEIN ISLAND, NY—Continued



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

**04237946 ONONDAGA CREEK TRIBUTARY NO. 6 BELOW MAIN MUDBOIL DEPRESSION AREA AT TULLY,
NY**

Seneca Watershed

LOCATION.--Lat 42°51'21", long 76°08'23" referenced to North American Datum of 1927, Onondaga County, Hydrologic Unit 04140201, on right side of 9-in flume, 250 ft downstream from main depression area, about 2,100 ft east of Tully Farms Road, 1,500 ft south of Otisco Road, 400 ft upstream from mouth, and 4.2 mi northwest of Tully.

DRAINAGE AREA.--0.32 mi² (0.70 mi² diverted to Trib. No. 5 since June 12, 1992).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1991 to June 1999, October 1999 to current year.

REVISED RECORDS.--WDR NY-93-3: 1992 (M).

GAGE.--Water-stage recorder and flume. Datum of gage is 555.93 ft above NGVD of 1929. Prior to Aug. 16, 2000 at datum 0.15 ft lower.

REMARKS.--Records fair. Flow may include inflow from depressurizing wells, some originating outside the basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge prior to flow being diverted to Tributary No. 5 on June 12, 1992, 45 ft³/s, Mar. 27, 1992, gage height, 2.08 ft, gage height then in use. Maximum discharge since diversion to Tributary No. 5 on June 12, 1992, 23 ft³/s, Mar. 24, 1994, gage height 1.96 ft, gage height then in use, and Aug. 30, 2004, gage height, 2.96 ft; no flow part of each day, July 29, 1993 and June 20, 1994, result of dam construction.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 16 ft³/s, Apr 2, 3, gage height, 2.44 ft; minimum discharge, 0.02 ft³/s, Aug 17, gage height, 0.04 ft.

04237946 ONONDAGA CREEK TRIBUTARY NO. 6 BELOW MAIN MUDBOIL DEPRESSION AREA AT TULLY, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.67	0.64	e1.6	0.97	e0.80	0.98	2.1	0.94	0.63	0.53	0.35	1.2
2	0.65	0.69	e1.4	0.89	0.74	0.94	5.8	0.88	0.66	0.51	0.36	0.69
3	0.60	0.79	e0.90	0.97	0.75	0.91	7.9	e0.77	0.62	0.50	0.36	0.54
4	0.69	0.75	e0.88	1.2	0.74	0.92	4.5	e0.75	0.61	0.48	0.36	0.50
5	0.69	0.80	0.74	0.95	0.72	0.95	2.8	0.80	0.60	0.58	0.38	0.47
6	0.67	0.68	0.81	1.2	0.75	0.96	2.3	0.79	0.68	0.53	0.37	0.57
7	0.67	0.74	0.69	1.3	0.81	1.3	2.0	0.79	0.66	0.51	0.36	0.48
8	1.4	0.72	0.71	1.1	1.4	2.4	1.7	0.76	0.60	0.52	1.9	0.46
9	0.65	0.72	0.72	1.0	1.6	1.5	1.5	0.76	0.59	0.86	0.71	0.43
10	0.62	0.75	e0.84	1.0	1.4	1.3	1.4	0.75	0.67	0.53	0.46	0.41
11	0.69	0.74	1.5	1.0	1.2	1.3	1.2	0.71	0.61	0.51	0.41	0.45
12	0.90	0.73	1.6	1.6	1.1	1.2	1.2	0.67	0.74	0.50	e0.42	0.46
13	0.61	0.70	1.4	1.7	1.0	1.2	1.1	0.70	0.84	0.80	0.53	0.48
14	0.64	0.69	1.2	2.9	1.1	1.1	1.0	0.76	0.99	0.56	0.47	0.42
15	0.63	0.72	1.1	1.9	2.5	1.1	1.00	0.76	0.63	0.53	e0.44	0.42
16	0.66	0.71	1.1	1.6	2.4	1.1	0.94	0.72	1.0	0.50	e0.37	0.44
17	1.9	0.73	0.99	1.4	1.9	1.2	0.93	0.72	0.87	0.48	e0.35	0.49
18	0.68	0.73	0.96	1.1	1.6	1.2	0.89	0.73	0.93	0.58	0.36	0.49
19	0.86	0.73	0.96	1.0	1.4	1.2	0.87	0.74	0.73	0.49	0.38	0.47
20	0.77	0.71	0.80	1.1	1.3	1.3	0.91	0.73	0.61	0.46	0.37	0.46
21	0.92	0.73	0.78	0.93	1.2	1.5	0.85	0.73	0.57	0.46	0.43	0.43
22	0.82	0.70	3.2	0.90	1.1	1.7	0.86	0.75	0.63	0.51	0.35	0.42
23	0.74	0.70	1.2	0.93	1.1	1.6	1.5	0.75	0.56	0.43	0.29	0.42
24	0.72	0.79	0.94	0.92	1.0	1.6	2.2	0.79	0.52	0.40	0.38	0.40
25	0.67	0.88	0.81	0.90	1.0	1.6	1.6	0.75	0.49	0.37	0.35	0.52
26	0.66	0.78	0.75	0.89	0.98	1.5	1.4	0.73	0.50	0.40	0.34	0.89
27	0.65	0.74	0.76	0.83	0.96	1.8	1.3	0.71	0.50	0.45	0.31	0.68
28	0.64	1.7	0.75	0.82	0.96	3.2	1.1	0.71	0.52	0.40	0.35	0.48
29	0.66	e1.0	0.73	0.83	---	2.7	1.1	0.68	0.63	0.39	0.51	0.63
30	0.69	e1.0	2.5	0.81	---	2.4	1.1	0.63	0.55	0.38	0.80	0.50
31	0.69	---	2.9	e0.84	---	2.2	---	0.63	---	0.37	3.2	---
Total	23.51	23.49	36.22	35.48	33.51	45.86	55.05	23.09	19.74	15.52	17.02	15.70
Mean	0.76	0.78	1.17	1.14	1.20	1.48	1.83	0.74	0.66	0.50	0.55	0.52
Max	1.9	1.7	3.2	2.9	2.5	3.2	7.9	0.94	1.0	0.86	3.2	1.2
Min	0.60	0.64	0.69	0.81	0.72	0.91	0.85	0.63	0.49	0.37	0.29	0.40
Cfsm	2.37	2.45	3.65	3.58	3.74	4.62	5.73	2.33	2.06	1.56	1.72	1.64
In.	2.73	2.73	4.21	4.12	3.90	5.33	6.40	2.68	2.29	1.80	1.98	1.83

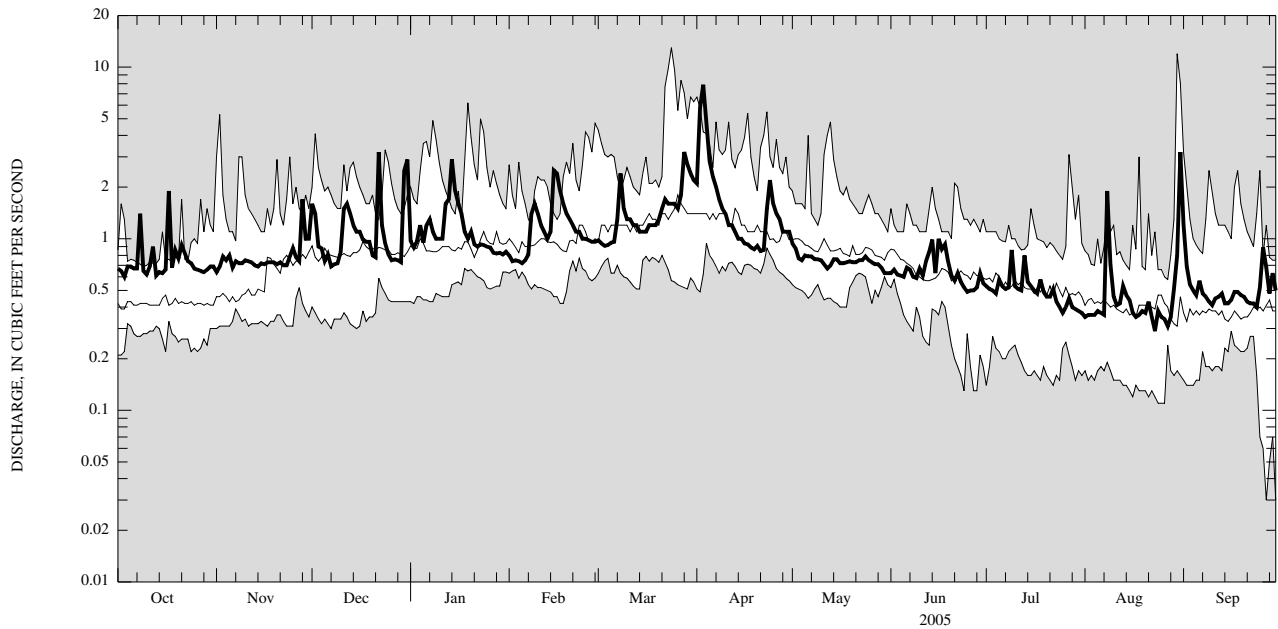
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.49	0.74	0.94	1.08	1.10	1.58	1.52	0.96	0.69	0.55	0.50	0.46
Max	0.78	1.24	1.84	1.78	1.63	3.31	3.13	1.56	1.25	0.95	1.31	1.30
(WY)	(1993)	(2004)	(1997)	(1998)	(1998)	(1994)	(1993)	(2000)	(2000)	(2000)	(2004)	(2004)
Min	0.29	0.35	0.39	0.63	0.66	0.90	0.73	0.51	0.31	0.21	0.15	0.23
(WY)	(1994)	(1999)	(1999)	(2001)	(1995)	(2002)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)

04237946 ONONDAGA CREEK TRIBUTARY NO. 6 BELOW MAIN MUDBOIL DEPRESSION AREA AT TULLY, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1993 - 2005	
Annual total	376.26		344.19			
Annual mean	1.03		0.94		0.88	
Highest annual mean					1.08	2004
Lowest annual mean					0.57	1999
Highest daily mean	12	Aug 30	7.9	Apr 3	13	Mar 24, 1994
Lowest daily mean	0.43	Jul 6	0.29	Aug 23	0.03	Sep 27, 1996
Annual seven-day minimum	0.47	Jun 30	0.34	Aug 22	0.07	Sep 24, 1996
Annual runoff (cfsm)	3.21		2.95		2.76	
Annual runoff (inches)	43.74		40.01		37.49	
10 percent exceeds	1.5		1.6		1.5	
50 percent exceeds	0.80		0.75		0.73	
90 percent exceeds	0.60		0.43		0.34	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04237946 ONONDAGA CREEK TRIBUTARY NO. 6 BELOW MAIN MUDBOIL DEPRESSION AREA AT TULLY, NY—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1991 to current year.

CHEMICAL DATA: Water years 1991 (c), 1992 to 2002 (b), 2003 (a), 2004 to 2005 (e).

SEDIMENT DATA: Water years 1991 (c), 1992 to current year (e).

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT CONCENTRATION: October 1991 to June 1999, October 1999 to September 2002.

SUSPENDED-SEDIMENT DISCHARGE: October 1991 to June 1999, October 1999 to September 2002.

REMARKS.--Unpublished records of daily suspended-sediment concentration and daily suspended-sediment discharge for the 2003 and 2004 water year are available in the files of the U.S. Geological Survey. During the 2003 water year, the suspended-sediment sampling location was moved further downstream to include a new area of additional mudboil activity. Records beginning in the 2003 water year are not equivalent to previously published records because of the difference in sampling areas.

EXTREMES FOR PERIOD OF RECORD.--

SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily mean, 27,200 mg/L, Oct. 1, 1991; minimum daily mean, 22 mg/L, Aug.19, 1993.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily mean, 148 tons, Mar.11, 1992; minimum daily mean,0.02 tons, on many days during August and September 1993.

04237946 ONONDAGA CREEK TRIBUTARY NO. 6 BELOW MAIN MUDBOIL DEPRESSION AREA AT TULLY, NY—Continued

Date	Time	Instan- taneous dis- charge, cfs (00061)	Suspd. sedi- ment, sieve diametr percent <.063mm (70331)	Sus- pended sedi- ment concen- tration mg/L (80154)
Oct				
04...	1700	.73	--	528
12...	1800	1.3	92	431
28...	1630	.64	--	478
Nov				
15...	1700	.76	--	414
21...	1700	.73	--	399
28...	1700	1.9	--	263
Dec				
05...	1630	.76	--	312
15...	1600	1.1	93	183
21...	0800	.79	--	143
28...	1600	.76	--	133
Jan				
04...	1430	1.1	--	144
11...	1700	1.0	--	154
18...	1730	1.0	--	138
25...	1700	.91	90	133
Feb				
01...	1700	.76	93	137
08...	1700	1.9	--	126
15...	1600	3.2	--	94
22...	1600	1.1	--	117
Mar				
02...	1630	.97	--	83
08...	1730	1.9	--	68
15...	1600	1.1	--	66
21...	1745	1.9	--	96
29...	1545	2.7	--	236
Apr				
06...	1830	2.1	--	288
14...	1400	1.0	--	443
20...	1530	.82	--	472
28...	1400	1.1	--	379
May				
11...	1800	.64	--	521
18...	1445	.70	--	462
26...	1530	.70	--	529

04237946 ONONDAGA CREEK TRIBUTARY NO. 6 BELOW MAIN MUDBOIL DEPRESSION AREA AT TULLY, NY—Continued

Date	Time	Instan- taneous dis- charge, cfs (00061)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)	Sus- pended sedi- ment concen- tration mg/L (80154)
Jun				
03...	1715	.59	--	628
11...	1030	.64	--	660
19...	1500	.70	--	551
Jul				
01...	0930	.54	99	567
10...	1400	.49	--	672
17...	1900	.44	--	602
25...	1430	.35	99	948
Aug				
18...	1730	.37	--	584
29...	1700	.49	--	478
Sep				
09...	1600	.42	--	553
19...	1730	.49	--	105q
27...	1645	.51	--	45

04237962 ONONDAGA CREEK NEAR CARDIFF, NY

Seneca Watershed

LOCATION.--Lat 42°54'00", long 76°10'10" referenced to North American Datum of 1927, Onondaga County, Hydrologic Unit 04140201, on left bank 10 ft upstream from bridge on State Highway 20, 0.7 mi west of Tully Farms road, 1.6 mi northwest of Cardiff, and 4.2 mi upstream from Onondaga Reservoir.

DRAINAGE AREA.--33.9 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 2001 to current year.

GAGE.--Acoustic velocity meter, water-stage recorder and crest-stage gage. Elevation of gage is 500 ft above NGVD of 1929 from topographic map.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Telephone and satellite gage-height and precipitation telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, about 1,070 ft³/s, Apr. 3, 2005; maximum gage height, 8.85 ft, Aug. 30, 2004, from floodmark; minimum daily discharge, 3.8 ft³/s, Sept. 14, 2002. Maximum and minimum instantaneous discharges not determined.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, about 1,070 ft³/s, Apr. 3, gage height, 4.45 ft; minimum daily discharge, 7.3 ft³/s, Aug. 24. Maximum and minimum instantaneous discharges not determined.

04237962 ONONDAGA CREEK NEAR CARDIFF, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	e44	e29	e120	e77	e51	e65	e345	e89	22	20	10	68
2	e45	e29	e110	e73	e50	e60	e727	e77	21	19	9.5	30
3	e46	e51	e95	e77	e50	e62	e1,070	e70	20	17	9.8	21
4	e40	e38	e78	e100	e48	e59	e568	e67	20	16	9.9	18
5	e36	e50	e70	e84	e45	e66	e285	e63	20	20	8.2	14
6	e34	e38	e63	e92	e44	e55	e241	e59	22	25	9.6	12
7	e33	e34	e64	e97	e51	e79	e227	e56	21	18	8.7	12
8	e32	e34	e75	e86	e98	e200	e208	e52	19	18	42	11
9	e31	e33	e64	e74	e140	e140	e175	e48	18	51	29	12
10	e31	e31	e98	e70	e120	e130	e156	e45	22	29	13	9.7
11	e31	e31	e210	e70	e95	e110	e141	e42	21	22	9.9	11
12	e30	e30	e160	e110	e86	e82	e130	e40	37	18	8.7	11
13	e29	e28	e130	e190	e74	e75	e120	e37	34	41	15	9.1
14	e29	e26	e100	e300	e73	e72	e110	42	99	22	11	10
15	e31	e26	e82	e190	e190	e67	e100	43	33	17	11	9.9
16	e44	e28	e76	e150	e200	e65	e94	38	79	15	11	10
17	e37	e28	e74	e100	e140	e59	e88	35	65	15	9.0	10
18	e35	e28	e63	e86	e110	e55	e82	34	89	19	8.4	11
19	e54	e28	e64	e73	e92	e54	e77	32	51	14	10	9.7
20	e41	e28	e50	e85	e87	e58	e77	32	40	13	9.3	11
21	e54	e30	e50	e66	e84	e68	e81	30	34	13	10	10
22	e46	e29	e62	e59	e82	e79	e69	31	39	16	7.5	8.5
23	e36	e25	e100	e62	e110	e78	e173	31	31	14	7.7	8.1
24	e34	e26	e94	e62	e96	e79	e254	35	26	12	7.3	9.1
25	e32	e35	e70	e62	e79	e77	e152	32	26	11	9.0	15
26	e32	e37	e53	e60	e72	e75	e128	29	24	12	7.8	33
27	e30	e33	e51	e54	e67	e95	e111	26	21	16	8.5	40
28	e29	e110	e50	e54	e65	e300	e102	26	20	14	11	17
29	e29	e100	e51	e55	---	e280	e91	25	29	12	9.5	20
30	e30	e82	e53	e54	---	e260	e92	24	23	11	39	17
31	e30	---	e77	e53	---	e340	---	24	---	10	205	---
Total	1,115	1,155	2,557	2,825	2,499	3,344	6,274	1,314	1,026	570	575.3	488.1
Mean	36.0	38.5	82.5	91.1	89.2	108	209	42.4	34.2	18.4	18.6	16.3
Max	54	110	210	300	200	340	1,070	89	99	51	205	68
Min	29	25	50	53	44	54	69	24	18	10	7.3	8.1

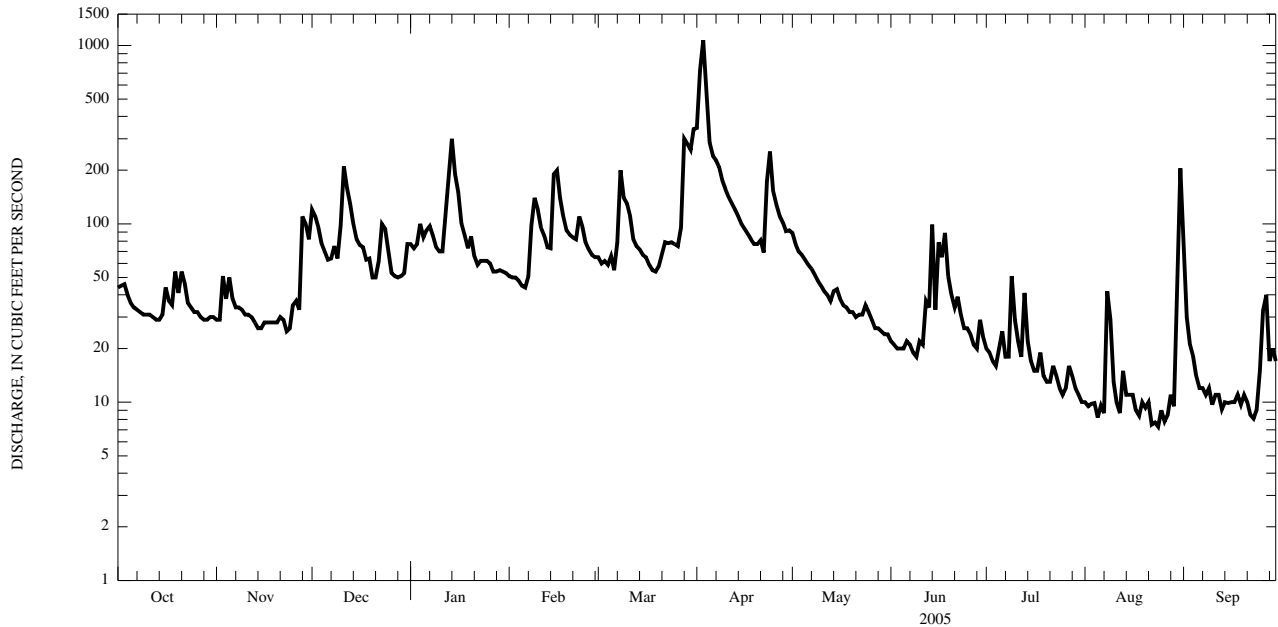
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	28.5	47.7	87.8	65.6	74.0	128	151	68.4	43.1	30.0	39.3	35.0
Max	42.1	91.7	143	91.1	113	178	209	103	55.8	55.5	92.8	95.9
(WY)	(2004)	(2004)	(2004)	(2005)	(2002)	(2003)	(2005)	(2002)	(2002)	(2004)	(2004)	(2004)
Min	17.1	28.1	57.5	46.8	35.9	75.4	125	42.4	31.0	17.9	9.73	7.57
(WY)	(2003)	(2002)	(2002)	(2002)	(2004)	(2002)	(2002)	(2005)	(2004)	(2002)	(2002)	(2002)

04237962 ONONDAGA CREEK NEAR CARDIFF, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 2002 - 2005	
Annual total	27,539		23,742.4			
Annual mean	75.2		65.0		66.5	
Highest annual mean					85.3	2004
Lowest annual mean					54.4	2002
Highest daily mean	1,060	Aug 30	1,070	Apr 3	1,070	Apr 3, 2005
Lowest daily mean	20	Feb 15	7.3	Aug 24	3.8	Sep 14, 2002
Annual seven-day minimum	22	Jun 30	8.3	Aug 21	4.2	Sep 8, 2002
10 percent exceeds	140		120		130	
50 percent exceeds	51		42		45	
90 percent exceeds	28		11		14	



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

04239000 ONONDAGA CREEK AT DORWIN AVENUE, SYRACUSE, NY

Seneca Watershed

LOCATION.--Lat 42°59'00", long 76°09'04" referenced to North American Datum of 1927, Onondaga County, Hydrologic Unit 04140201, on left bank 550 ft upstream from bridge on Dorwin Avenue, at Syracuse, and 4.0 mi downstream from Onondaga Reservoir.

DRAINAGE AREA.--88.5 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1951 to current year.

REVISED RECORDS.--WSP 2112: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 414.19 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are fair. High flows regulated by Onondaga Reservoir. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,260 ft³/s, July 3, 1974, gage height, 6.48 ft; minimum discharge not determined; minimum gage height, 1.15 ft, Sept. 16, 1959.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,730 ft³/s, Apr 3, gage height, 5.16 ft; minimum discharge, 21 ft³/s, Aug 20, 27, gage height, 1.38 ft.

04239000 ONONDAGA CREEK AT DORWIN AVENUE, SYRACUSE, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	87	72	246	181	e120	145	708	218	61	50	30	256
2	81	67	334	142	e120	140	965	184	60	47	29	87
3	90	102	215	146	e125	128	1,400	164	58	43	28	56
4	80	91	166	207	134	128	1,220	156	56	40	27	47
5	73	118	150	176	e120	130	1,090	147	56	41	28	42
6	66	107	132	171	e115	139	986	139	58	59	27	39
7	63	92	135	227	124	155	888	132	62	46	27	36
8	62	86	159	180	189	364	753	123	54	44	34	34
9	62	87	134	160	319	284	544	117	51	119	95	34
10	60	79	208	152	276	263	342	113	49	107	45	32
11	60	79	493	147	225	209	276	107	58	64	39	31
12	58	76	475	200	201	179	243	99	56	47	36	30
13	57	69	305	436	183	167	225	96	78	84	43	29
14	56	65	221	685	168	153	207	101	165	60	38	28
15	60	66	177	646	345	145	187	113	85	47	34	28
16	94	66	162	406	479	144	176	101	150	43	30	29
17	87	66	158	260	401	139	167	95	145	41	27	32
18	80	66	134	217	e250	143	156	90	156	44	27	32
19	95	67	140	e170	e220	139	149	85	104	40	26	30
20	87	65	e105	e160	e220	148	144	83	82	36	24	30
21	96	69	e110	e160	211	158	168	81	68	34	27	28
22	105	68	122	e140	198	188	144	81	71	43	26	25
23	87	61	179	e150	184	208	425	82	66	49	26	25
24	74	62	219	e150	e170	200	637	88	56	37	26	25
25	69	85	e150	e150	e170	210	534	87	52	34	27	30
26	67	87	e115	e145	e168	196	351	79	49	34	24	57
27	64	79	e110	e130	e156	232	246	72	46	53	23	107
28	59	185	e105	e130	142	576	219	69	45	48	26	56
29	58	225	111	e135	---	743	196	68	59	38	26	47
30	72	150	110	e130	---	713	194	65	56	34	69	48
31	78	---	153	e125	---	703	---	64	---	31	367	---
Total	2,287	2,657	5,733	6,614	5,733	7,569	13,940	3,299	2,212	1,537	1,361	1,410
Mean	73.8	88.6	185	213	205	244	465	106	73.7	49.6	43.9	47.0
Max	105	225	493	685	479	743	1,400	218	165	119	367	256
Min	56	61	105	125	115	128	144	64	45	31	23	25

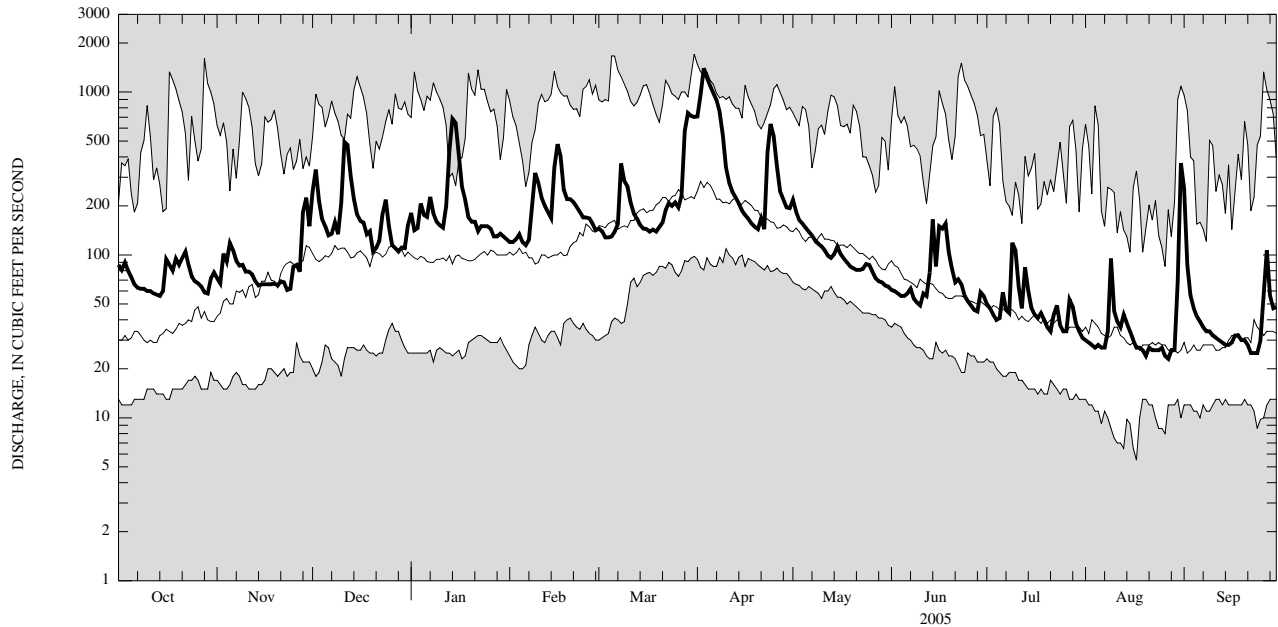
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	62.6	104	144	139	167	263	270	143	93.6	59.1	42.7	46.7
Max	328	312	365	355	390	535	758	330	563	166	147	224
(WY)	(1978)	(1969)	(1973)	(1998)	(1990)	(1979)	(1993)	(2000)	(1972)	(1992)	(2004)	(2004)
Min	15.3	19.3	31.7	33.7	40.8	93.3	112	58.1	28.1	19.5	10.7	13.2
(WY)	(1965)	(1965)	(1961)	(1961)	(1963)	(1983)	(1981)	(1995)	(1999)	(1962)	(1965)	(1964)

04239000 ONONDAGA CREEK AT DORWIN AVENUE, SYRACUSE, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1951 - 2005	
Annual total	60,601		54,352			
Annual mean	166		149		128	
Highest annual mean					198	1978
Lowest annual mean					58.8	1965
Highest daily mean	1,080	Aug 31	1,400	Apr 3	1,710	Mar 31, 1960
Lowest daily mean	43	Jul 5	23	Aug 27	5.5	Aug 17, 1965
Annual seven-day minimum	45	Jun 30	25	Aug 22	7.4	Aug 11, 1965
10 percent exceeds	309		261		262	
50 percent exceeds	114		99		81	
90 percent exceeds	63		32		25	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04240010 ONONDAGA CREEK AT SPENCER STREET, SYRACUSE, NY

Seneca Watershed

LOCATION.--Lat 43°03'27", long 76°09'46" referenced to North American Datum of 1927, Onondaga County, Hydrologic Unit 04140201, on right bank 250 ft upstream from bridge on Spencer Street in Syracuse, 1,000 ft upstream from Erie (Barge) Canal terminal, and 1.0 mi upstream from mouth.

DRAINAGE AREA.--110 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Occasional discharge measurements, water years 1958-70. September 1970 to current year.

REVISED RECORDS.--WDR NY 1972: 1971(M). WDR NY 1975: 1972(M), 1974(M). WDR NY-81-3: Drainage area. WDR NY-89-3: 1971-72(M), 1974-80(M), 1982-84(M), 1986(M), 1988(M).

GAGE.--Water-stage recorder, crest-stage gage, and concrete control. Datum of gage is 362.29 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are fair. High flows regulated by Onondaga Reservoir. Flow may be affected by backwater from Onondaga Lake at times when the lake elevation exceeds 365.00 ft. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,050 ft³/s, July 3, 1974, gage height, 8.73 ft, from rating curve extended above 1,700 ft³/s on basis of runoff comparisons with nearby stations; minimum, 20 ft³/s, Sept. 26, 1985, gage height, 2.16 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,200 ft³/s, Apr 3, gage height, 7.46 ft; minimum discharge, 41 ft³/s, Aug 25, gage height, 2.42 ft.

04240010 ONONDAGA CREEK AT SPENCER STREET, SYRACUSE, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	129	109	335	254	169	199	721	311	93	79	59	290
2	133	107	403	208	163	194	1,090	275	89	76	57	113
3	127	142	281	210	166	e170	1,620	251	86	73	56	75
4	117	140	224	284	164	e170	1,340	239	85	67	55	65
5	115	169	204	254	162	e180	e1,200	226	83	69	65	59
6	110	159	185	247	160	182	e1,100	213	86	86	52	56
7	106	138	199	311	176	217	e1,000	203	89	72	51	54
8	103	131	219	253	249	457	e900	194	81	69	52	52
9	99	128	191	227	383	360	e720	183	76	159	121	52
10	97	120	327	216	342	309	e560	177	73	145	62	51
11	97	119	596	210	282	277	459	168	80	92	54	50
12	95	116	564	275	271	268	e350	159	74	73	56	50
13	92	108	395	539	249	251	e320	154	112	159	59	49
14	91	103	304	768	228	236	e300	160	196	97	56	49
15	115	104	250	663	384	230	e270	166	114	75	54	49
16	134	104	233	463	511	224	259	151	183	69	51	51
17	127	104	224	336	445	210	244	141	191	75	49	56
18	119	105	198	266	e320	206	229	134	195	68	47	57
19	130	106	206	227	e260	194	218	128	140	64	46	55
20	130	105	156	277	e250	215	216	124	114	60	49	57
21	149	110	161	231	262	225	239	121	100	60	50	56
22	150	109	182	202	255	261	233	120	101	65	46	54
23	126	103	245	225	245	286	529	121	96	77	46	57
24	111	104	299	227	e200	277	745	128	86	62	47	56
25	105	127	195	229	e200	293	e600	127	81	58	48	63
26	104	132	173	219	202	269	437	117	78	58	46	111
27	102	122	157	188	e190	309	334	109	74	82	45	167
28	96	257	146	185	e180	625	307	111	73	78	60	95
29	95	287	171	187	---	759	284	103	94	66	49	103
30	110	198	168	188	---	733	307	99	85	62	162	81
31	115	---	219	175	---	721	---	97	---	59	528	---
Total	3,529	3,966	7,810	8,744	7,068	9,507	17,131	5,010	3,108	2,454	2,278	2,233
Mean	114	132	252	282	252	307	571	162	104	79.2	73.5	74.4
Max	150	287	596	768	511	759	1,620	311	196	159	528	290
Min	91	103	146	175	160	170	216	97	73	58	45	49

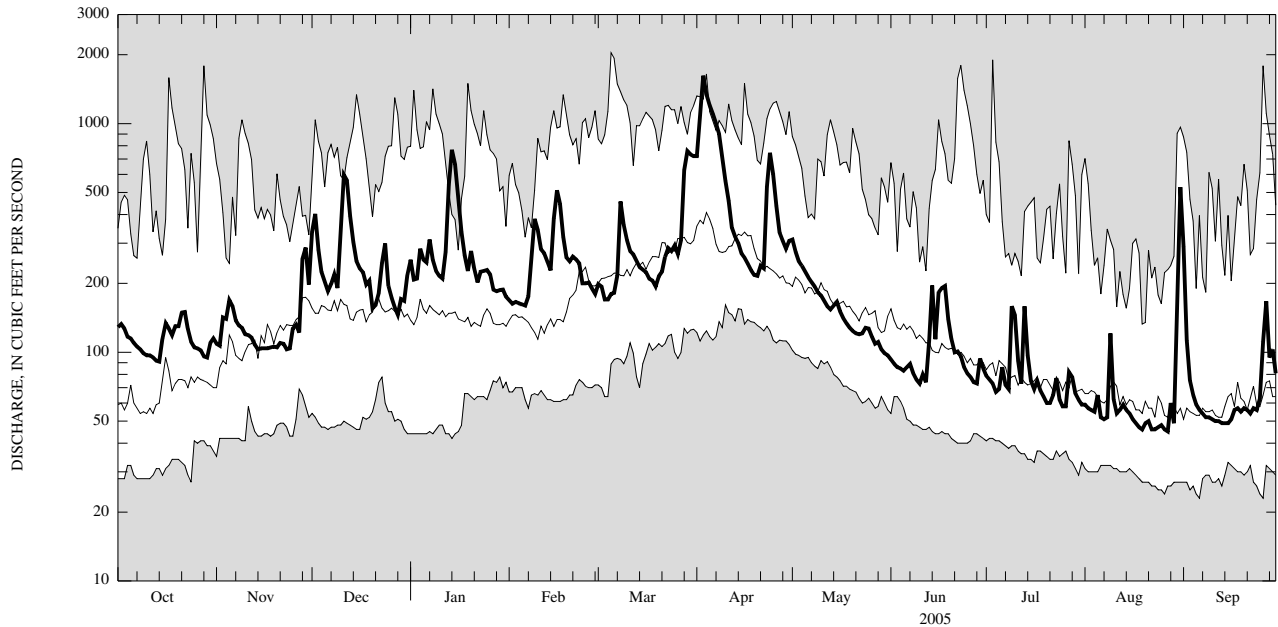
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	106	152	201	189	217	328	360	204	142	101	78.6	88.1
Max	424	324	452	425	457	653	935	390	617	237	180	275
(WY)	(1978)	(1978)	(1973)	(1998)	(1976)	(1979)	(1993)	(2000)	(1972)	(1974)	(2004)	(1975)
Min	39.2	48.9	53.9	73.6	70.4	123	153	78.8	49.3	39.6	30.4	36.2
(WY)	(1984)	(1999)	(1999)	(1981)	(1980)	(1983)	(1995)	(1995)	(1995)	(1995)	(1999)	(1995)

04240010 ONONDAGA CREEK AT SPENCER STREET, SYRACUSE, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1970 - 2005	
Annual total	78,812		72,838			
Annual mean	215		200		180	
Highest annual mean					273	1976
Lowest annual mean					100	1995
Highest daily mean	966	Aug 31	1,620	Apr 3	2,040	Mar 5, 1979
Lowest daily mean	65	Jul 6	45	Aug 27	23	Sep 26, 1985
Annual seven-day minimum	69	Jun 30	47	Aug 21	26	Aug 31, 1999
10 percent exceeds	403		338		356	
50 percent exceeds	156		149		126	
90 percent exceeds	97		56		49	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04240100 HARBOR BROOK AT SYRACUSE, NY

Seneca Watershed

LOCATION.--Lat 43°02'09", long 76°10'55" referenced to North American Datum of 1927, Onondaga County, Hydrologic Unit 04140201, on left bank 160 ft upstream from bridge on Holden Street at Syracuse, 220 ft downstream from gated outlet of Velasko Road Detention Basin, and 2.6 mi upstream from mouth.

DRAINAGE AREA.--10.0 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1959 to current year.

REVISED RECORDS.--WSP 2112: Drainage area. WDR NY-82-3: 1981 (M), WDR-NY-88-3: 1986-87 (M).

GAGE.--Water-stage recorder. Datum of gage is 391.16 ft above NGVD of 1929. Prior to Sept. 30, 1978, at site 1,660 ft upstream and Oct. 1, 1978 to May 31, 1980, at site 1,800 ft upstream, at datum 3.63 ft higher.

REMARKS.--Records fair. Flow includes some sewage and storm sewer inflow, some originating outside the basin. Flows can be regulated at detention basin by Onondaga County. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 726 ft³/s, July 3, 1974, gage height, 8.34 ft, datum then in use, from rating curve extended above 250 ft³/s on basis of slope-area measurement of peak flow; no flow for part of each day July 14, 16, 18, 1997, Aug. 20, 26, 1998, Sept. 11, 14, 1998, result of regulation for maintenance work in the channel.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 203 ft³/s, Apr 2, 3, gage height, 4.20 ft; minimum discharge, 3.6 ft³/s, Aug 23, 24, gage height, 0.99 ft.

04240100 HARBOR BROOK AT SYRACUSE, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	9.0	6.5	37	13	9.5	11	30	21	e7.4	5.6	4.4	8.3
2	11	7.2	17	11	9.2	11	99	17	e7.2	5.6	4.2	6.8
3	8.9	10	12	12	9.2	10	115	16	e7.0	5.7	4.2	6.0
4	8.3	11	9.7	19	9.3	10	67	15	e6.8	5.7	4.2	5.7
5	8.0	13	9.3	12	9.3	10	52	14	e6.6	6.0	5.5	5.6
6	7.9	9.1	7.7	14	9.6	11	47	14	7.5	5.9	4.2	5.6
7	8.0	7.1	16	18	10	18	44	13	6.8	5.8	4.2	5.7
8	8.0	7.8	13	13	20	36	38	12	6.5	5.7	4.4	5.6
9	8.1	7.9	9.4	12	28	19	32	12	6.5	16	4.4	5.5
10	8.4	7.1	42	13	19	16	28	12	7.2	5.4	4.3	5.5
11	8.2	7.2	41	12	16	14	25	e11	6.4	5.0	4.5	5.3
12	7.8	6.9	22	27	14	14	22	e11	6.2	4.9	4.8	4.9
13	7.2	6.4	17	40	12	13	20	e10	8.0	14	5.4	4.7
14	7.0	6.3	13	54	13	12	19	e11	7.9	5.3	4.3	4.7
15	11	6.6	11	20	36	12	17	e11	5.9	5.1	4.3	5.0
16	8.6	6.6	11	14	33	12	16	e10	9.5	5.0	4.0	5.4
17	7.9	6.5	11	13	20	12	15	e10	7.0	4.6	3.9	5.7
18	6.9	6.4	9.1	12	15	12	14	e9.8	6.3	4.6	4.3	5.1
19	8.0	6.2	10	11	12	12	14	e9.6	6.0	4.6	4.0	5.1
20	7.8	6.1	7.5	11	11	13	14	e9.4	5.9	4.3	4.5	5.4
21	15	6.1	7.3	11	12	14	14	e9.2	5.7	4.3	5.3	5.3
22	9.6	5.7	8.2	11	12	18	17	e9.0	5.8	4.9	4.6	5.3
23	7.2	5.6	17	11	12	17	49	e8.8	5.5	4.5	e4.2	5.7
24	6.8	6.5	11	10	11	17	54	12	5.5	4.5	3.8	5.6
25	6.7	7.8	7.4	10	11	17	26	e8.4	5.3	4.5	3.9	5.8
26	6.5	6.6	7.1	10	11	17	20	e8.2	5.2	5.2	3.9	9.8
27	6.4	6.1	6.8	10	11	26	19	11	5.7	5.9	4.1	5.3
28	6.3	23	6.7	10	11	63	17	13	5.3	4.8	4.9	4.6
29	6.3	12	6.7	10	---	45	16	e8.0	7.8	4.5	5.2	9.4
30	8.5	9.0	6.9	9.9	---	35	29	e7.8	5.6	4.5	13	4.5
31	7.3	---	17	9.7	---	35	---	e7.6	---	4.5	44	---
Total	252.6	240.3	427.8	463.6	406.1	582	989	351.8	196.0	176.9	184.9	172.9
Mean	8.15	8.01	13.8	15.0	14.5	18.8	33.0	11.3	6.53	5.71	5.96	5.76
Max	15	23	42	54	36	63	115	21	9.5	16	44	9.8
Min	6.3	5.6	6.7	9.7	9.2	10	14	7.6	5.2	4.3	3.8	4.5

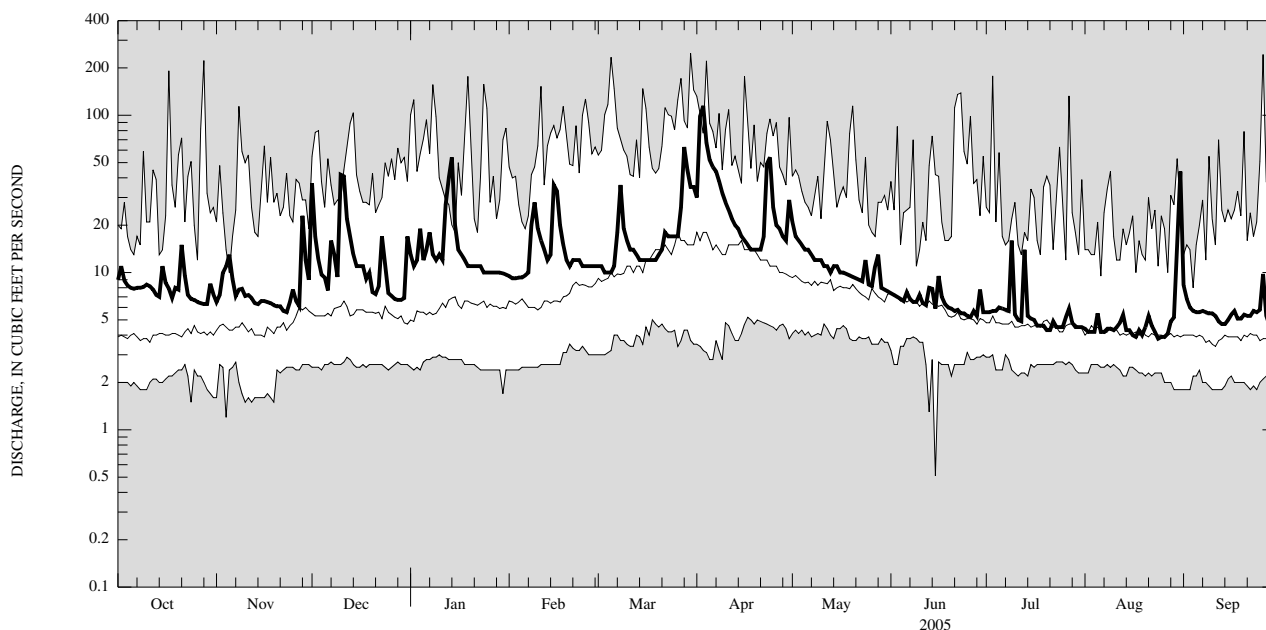
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	5.71	6.71	8.47	8.81	10.6	17.2	17.9	10.2	7.47	6.05	4.98	5.20
Max	21.7	21.6	26.0	27.9	33.5	39.6	59.4	22.6	32.2	13.5	12.0	20.7
(WY)	(1978)	(1969)	(1978)	(1998)	(1976)	(1979)	(1993)	(1976)	(1972)	(1974)	(2004)	(1975)
Min	2.24	2.74	2.76	3.07	3.48	5.14	5.07	4.35	3.55	2.81	2.55	2.35
(WY)	(1967)	(1967)	(1962)	(1961)	(1963)	(1983)	(1967)	(1995)	(1995)	(1965)	(1965)	(1959)

04240100 HARBOR BROOK AT SYRACUSE, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1959 - 2005	
Annual total	4,675.8		4,443.9			
Annual mean	12.8		12.2		9.11	
Highest annual mean					15.7	1976
Lowest annual mean					4.53	1967
Highest daily mean	133	Jul 27	115	Apr 3	248	Mar 30, 1960
Lowest daily mean	5.6	Jul 4	3.8	Aug 24	0.51	Jun 15, 1984
Annual seven-day minimum	5.8	Jun 30	4.2	Aug 14	1.6	Nov 10, 1988
10 percent exceeds	21		20		17	
50 percent exceeds	9.4		9.0		5.9	
90 percent exceeds	6.6		4.7		3.2	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04240105 HARBOR BROOK AT HIAWATHA BOULEVARD, SYRACUSE, NY

Seneca Watershed

LOCATION.--Lat 43°03'22", long 76°11'07" referenced to North American Datum of 1927, Onondaga County, Hydrologic Unit 04140201, on left bank 250 ft downstream from culvert on Hiawatha Boulevard, in Syracuse, and 0.5 mi upstream from mouth.

DRAINAGE AREA.--12.1 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Occasional discharge measurements, water years 1958-70. October 1970 to current year.

REVISED RECORDS.--WDR NY-76-1: 1971-75 (P). WDR NY-2001-3: Drainage area.

GAGE.--Water-stage recorder, crest-stage gage, and concrete control. Datum of gage is 365.86 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Flow includes some sewage and storm sewer inflow, some originating outside the basin. Flow can be regulated at Velasko Road Detention Basin 2.1 mi upstream. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 824 ft³/s, July 3, 1974, gage height, 7.91 ft, from rating curve extended above 340 ft³/s on basis of step-backwater computations; maximum gage height, 8.15 ft, Sept. 26, 1975 (backwater from debris jam); no flow for part of each day Oct. 26, 27, 1987, result of regulation for maintenance work in the channel.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 397 ft³/s, Aug 30, gage height, 5.71 ft; minimum discharge, 3.9 ft³/s, Aug 27, gage height, 1.81 ft.

04240105 HARBOR BROOK AT HIAWATHA BOULEVARD, SYRACUSE, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	6.5	5.7	46	13	e9.2	12	e32	19	6.3	5.5	4.8	8.2
2	9.8	6.4	16	11	e9.0	11	150	15	6.2	5.4	4.5	6.3
3	6.3	8.5	12	11	e8.8	11	181	15	6.1	5.3	4.5	5.7
4	6.0	9.9	10	18	8.6	11	81	14	5.9	5.3	4.5	5.3
5	6.0	11	9.6	12	8.6	10	53	13	5.8	5.6	8.1	5.0
6	5.8	8.0	8.3	14	8.5	11	47	12	6.6	5.4	4.8	4.9
7	5.7	6.5	16	e17	9.2	e21	43	12	5.8	5.3	4.8	4.8
8	5.7	7.1	13	e12	e22	e41	36	11	6.0	5.4	4.8	4.8
9	5.7	7.2	9.7	e11	e31	e21	29	11	6.0	33	4.7	4.7
10	5.7	6.8	60	e12	e20	14	25	11	7.1	6.1	4.6	4.6
11	5.6	6.6	50	e11	e16	13	22	10	5.9	5.5	4.6	4.5
12	5.6	6.4	22	23	13	13	21	9.9	5.8	5.4	5.7	4.5
13	5.5	6.2	17	37	12	12	19	9.7	8.0	39	6.4	4.5
14	5.4	6.6	14	64	12	11	17	11	8.3	5.7	4.9	4.4
15	11	6.2	12	19	e43	11	16	10	6.0	5.3	4.8	4.4
16	7.0	5.9	11	14	e37	11	15	9.3	9.8	5.1	4.7	4.7
17	6.7	5.8	12	13	e23	11	14	9.0	7.1	5.6	4.6	5.0
18	5.5	5.6	9.8	12	14	11	13	8.6	6.3	5.2	4.8	4.6
19	6.5	5.6	11	11	12	11	13	8.4	5.9	5.1	4.5	4.4
20	6.7	5.7	8.5	11	12	12	13	8.0	5.9	5.1	5.2	4.7
21	12	5.6	8.2	11	12	11	13	7.8	5.7	5.0	6.3	4.3
22	7.8	5.3	9.1	11	12	14	18	7.7	6.0	5.8	4.6	4.3
23	6.0	5.1	17	10	12	15	62	7.6	5.6	5.1	4.6	4.5
24	5.7	6.1	12	10	11	14	74	8.3	5.6	5.0	4.3	4.3
25	5.6	7.0	8.5	10	11	14	23	7.5	5.5	5.0	4.1	4.8
26	5.5	6.1	8.1	10	11	13	19	7.3	5.5	5.3	4.1	9.8
27	5.4	5.6	7.8	10	11	e28	17	7.1	6.1	6.5	4.1	5.4
28	5.4	28	7.6	e9.6	11	e75	16	11	5.7	5.1	5.0	4.7
29	5.4	11	7.6	9.6	---	e50	15	6.7	8.0	5.0	4.8	15
30	6.9	8.3	7.7	e9.5	---	e40	29	6.6	5.6	4.9	30	4.7
31	6.2	---	17	e9.4	---	e38	---	6.5	---	4.8	101	---
Total	200.6	225.8	478.5	456.1	419.9	591	1,126	311.0	190.1	226.8	273.2	161.8
Mean	6.47	7.53	15.4	14.7	15.0	19.1	37.5	10.0	6.34	7.32	8.81	5.39
Max	12	28	60	64	43	75	181	19	9.8	39	101	15
Min	5.4	5.1	7.6	9.4	8.5	10	13	6.5	5.5	4.8	4.1	4.3

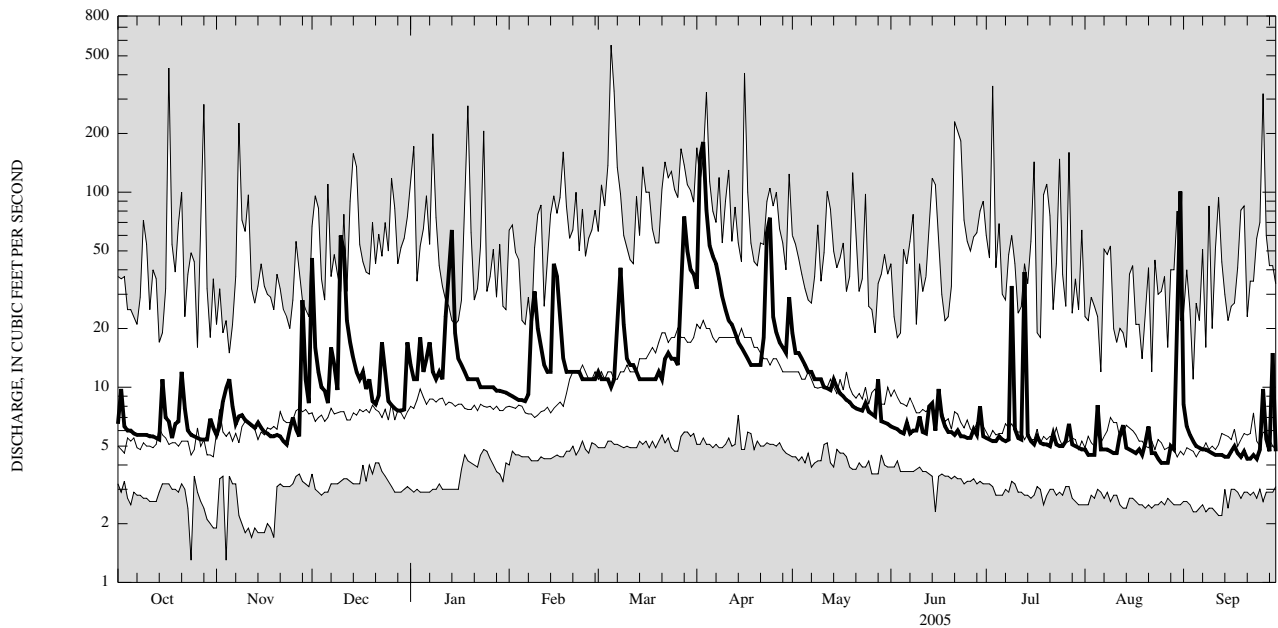
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	8.02	8.86	11.5	11.7	13.0	21.8	22.7	13.0	10.4	8.99	7.07	7.73
Max	34.0	26.6	35.8	31.0	38.4	68.8	68.8	27.9	51.9	25.4	12.6	28.7
(WY)	(1978)	(1978)	(1978)	(1973)	(1976)	(1979)	(1993)	(1976)	(1972)	(1974)	(2004)	(1975)
Min	3.44	3.68	3.54	4.43	4.99	6.04	6.09	4.80	3.79	3.44	3.08	3.70
(WY)	(1998)	(1999)	(1999)	(1983)	(1995)	(1983)	(1981)	(1981)	(1995)	(1995)	(1999)	(1997)

04240105 HARBOR BROOK AT HIAWATHA BOULEVARD, SYRACUSE, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1971 - 2005	
Annual total	4,916.7		4,660.8			
Annual mean	13.4		12.8		12.1	
Highest annual mean					21.3	1973
Lowest annual mean					5.54	1995
Highest daily mean	160	Jul 27	181	Apr 3	567	Mar 5, 1979
Lowest daily mean	5.1	Jul 5	4.1	Aug 25	1.3	Nov 4, 1988
Annual seven-day minimum	5.2	Jun 30	4.4	Aug 22	1.8	Nov 10, 1988
Instantaneous low flow					0.00	Oct 26, 1987
10 percent exceeds	22		22		23	
50 percent exceeds	8.9		8.3		7.6	
90 percent exceeds	5.7		4.8		4.0	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04240120 LEY CREEK AT PARK STREET, SYRACUSE, NY

Seneca Watershed

LOCATION.--Lat 43°04'38", long 76°10'14" referenced to North American Datum of 1927, Onondaga County, Hydrologic Unit 04140201, on left bank 0.2 mi upstream from bridge on Park Street, in Syracuse, and 0.4 mi upstream from mouth.

DRAINAGE AREA.--29.9 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Occasional discharge measurements water years 1959-72. December 1972 to current year.

REVISED RECORDS.--WDR NY 76-1: 1975 (M). WDR NY-2001-3: Drainage area.

GAGE.--Water-stage recorder, crest-stage gage, and, since July 9, 1984, steel "I" beam control. Datum of gage is 362.76 ft above NGVD of 1929. Prior to Oct. 1, 1978, at same site at datum 0.08 ft higher.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow may be affected by backwater from Onondaga Lake at times when the lake elevation exceeds 364.0 ft. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,310 ft³/s, Sept. 26, 1975, gage height, 6.17 ft, maximum gage height, 7.02 ft, Apr. 26, 1993 (backwater from Onondaga Lake); minimum discharge not determined; minimum gage height, 0.28 ft, Feb. 6-8, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 450 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jul 14	2328	*815	*4.54
Aug 31	0928	618	3.86

Minimum discharge, 6.1 ft³/s, Aug 7, gage height, 0.92 ft.

04240120 LEY CREEK AT PARK STREET, SYRACUSE, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	13	19	176	46	20	e31	e72	e67	15	8.5	8.0	78
2	21	19	116	38	20	e33	e250	e46	16	8.0	8.5	30
3	18	44	71	44	20	e32	e560	e37	15	7.3	7.5	17
4	13	47	44	86	22	e32	e270	e30	14	7.4	7.4	13
5	12	62	34	58	24	e33	e110	e27	14	9.0	12	11
6	11	48	27	56	25	e37	e80	e26	18	13	7.2	11
7	11	34	76	73	31	76	e60	e22	15	8.4	6.3	11
8	10	29	79	e52	62	e135	e50	e20	13	8.3	6.8	11
9	9.5	26	52	e45	78	e72	e46	e18	12	24	7.5	11
10	10	25	149	50	e60	e60	e40	22	43	10	6.8	10
11	11	20	212	48	e49	e51	e35	20	20	8.0	6.6	11
12	12	21	e120	74	e44	e49	e32	18	15	8.1	8.3	10
13	11	18	e72	118	e42	e47	e29	18	21	46	41	11
14	10	16	e47	e260	e41	e46	e28	21	44	215	8.8	12
15	27	17	e36	e110	e120	45	e26	25	17	334	7.8	11
16	48	16	e31	e58	e110	45	e24	19	43	55	7.9	13
17	27	15	e30	e39	e88	46	e23	20	29	35	7.9	18
18	22	17	28	e28	e70	47	e24	21	29	25	7.9	16
19	26	17	28	e24	e54	47	e22	21	17	16	8.3	12
20	20	16	23	e25	e41	49	e22	19	14	11	9.2	14
21	57	19	20	e24	e37	55	e26	18	13	10	55	11
22	35	16	24	22	e39	76	e36	18	13	13	9.7	10
23	23	15	47	23	e38	80	264	18	10	13	7.9	11
24	18	33	44	23	e34	75	e260	23	9.9	10	7.4	9.6
25	16	40	28	e23	e30	75	e130	19	9.0	9.1	7.2	13
26	15	31	23	e24	e29	71	e80	17	8.2	8.9	7.2	50
27	14	24	20	e21	e30	79	e52	17	8.3	20	6.8	29
28	14	93	17	23	e29	177	e41	21	8.3	13	18	13
29	13	68	17	21	---	161	e32	20	15	8.7	9.2	52
30	20	46	18	22	---	e115	e80	16	9.1	8.0	39	19
31	15	---	43	21	---	e88	---	17	---	7.5	429	---
Total	582.5	911	1,752	1,579	1,287	2,065	2,804	721	527.8	978.2	788.1	548.6
Mean	18.8	30.4	56.5	50.9	46.0	66.6	93.5	23.3	17.6	31.6	25.4	18.3
Max	57	93	212	260	120	177	560	67	44	334	429	78
Min	9.5	15	17	21	20	31	22	16	8.2	7.3	6.3	9.6
Cfsm	0.63	1.02	1.89	1.70	1.54	2.23	3.13	0.78	0.59	1.06	0.85	0.61
In.	0.72	1.13	2.18	1.96	1.60	2.57	3.49	0.90	0.66	1.22	0.98	0.68

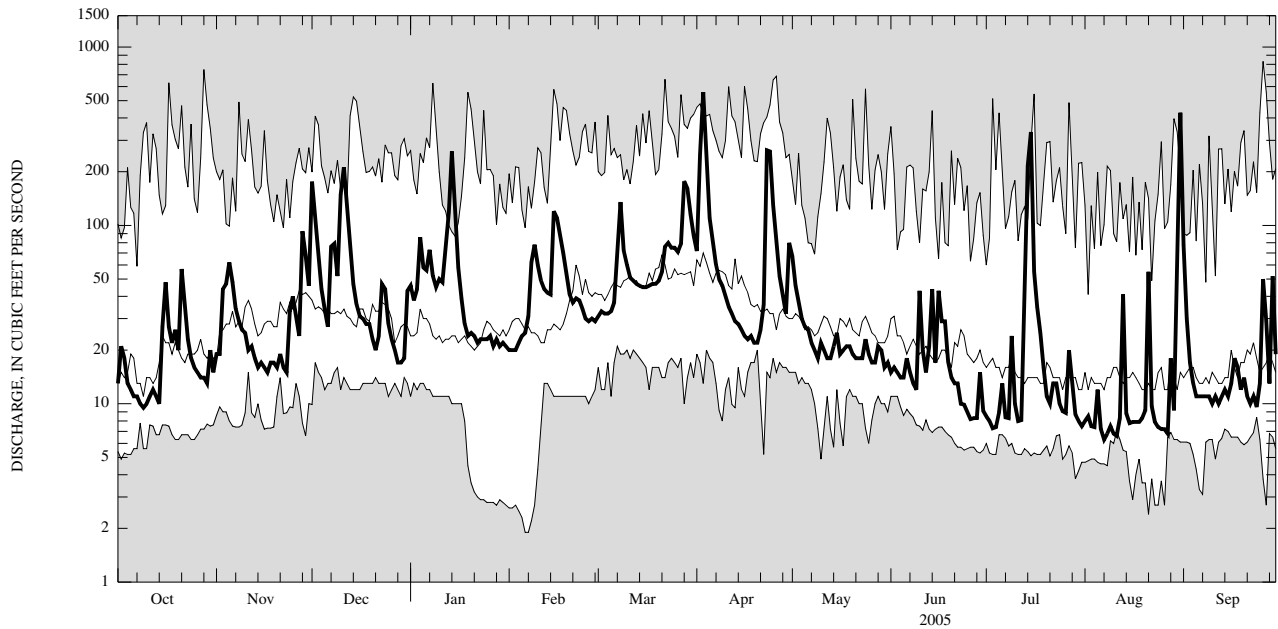
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	32.9	45.8	52.9	41.7	51.0	75.2	73.9	42.0	30.9	27.0	23.3	29.2
Max	129	102	145	107	125	154	334	94.8	71.4	61.6	47.3	99.1
(WY)	(1978)	(1978)	(1978)	(1998)	(1976)	(1978)	(1993)	(1996)	(1973)	(1992)	(2004)	(1975)
Min	7.01	17.3	18.5	11.0	16.1	25.0	22.5	12.7	11.8	10.6	8.22	9.07
(WY)	(1983)	(1979)	(1989)	(1977)	(1993)	(1981)	(1981)	(1987)	(1995)	(1995)	(1987)	(1994)

04240120 LEY CREEK AT PARK STREET, SYRACUSE, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1973 - 2005	
Annual total	17,742.5		14,544.2			
Annual mean	48.5		39.8		43.3	
Highest annual mean					69.8	1978
Lowest annual mean					24.8	1995
Highest daily mean	583	May 24	560	Apr 3	831	Sep 26, 1975
Lowest daily mean	9.5	Oct 9	6.3	Aug 7	1.9	Feb 6, 1977
Annual seven-day minimum	10	Oct 8	7.1	Aug 6	2.3	Feb 2, 1977
Annual runoff (cfsm)	1.62		1.33		1.45	
Annual runoff (inches)	22.07		18.10		19.68	
10 percent exceeds	92		77		92	
50 percent exceeds	29		23		24	
90 percent exceeds	15		8.9		9.9	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

Water-Data Report NY-2005

04240180 NINEMILE CREEK NEAR MARIETTA, NY

Seneca Watershed

LOCATION.--Lat 42°55'15", long 76°19'47" referenced to North American Datum of 1927, Onondaga County, Hydrologic Unit 04140201, on right bank 25 ft upstream from bridge on Schuyler Road, 0.9 mi north of Marietta, and about 1.8 mi downstream from Otisco Lake, Onondaga County.

DRAINAGE AREA.--45.1 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1955, 1963. June 1964 to current year.

REVISED RECORDS.--WDR NY I971: 1966(M), 1968, 1969. WDR NY-82-3: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 748.25 ft above NGVD of 1929.

REMARKS.--Records fair. Flow regulated by Otisco Lake from which water is diverted by the Onondaga County Water Authority for water supply.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,030 ft³/s, June 23, 1972, gage height, 8.65 ft; minimum discharge, 0.58 ft³/s, July 16, 17, 18, 19, 20, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 622 ft³/s, Apr 4, gage height, 6.48 ft; minimum discharge, 1.9 ft³/s, May 29, 30, gage height, 1.28 ft.

04240180 NINEMILE CREEK NEAR MARIETTA, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	44	41	e30	18	122	88	123	90	4.0	12	12	14
2	45	41	e16	19	121	88	322	84	4.0	8.8	12	13
3	44	32	e15	21	120	87	596	77	4.8	5.9	12	13
4	43	12	e12	40	89	87	599	71	5.6	5.7	12	13
5	43	11	e11	54	50	87	525	65	6.8	6.3	12	14
6	42	9.2	e20	58	50	87	457	60	8.7	14	12	14
7	42	8.9	e35	57	51	90	409	53	9.2	15	11	14
8	42	e10	e35	54	59	96	371	47	9.4	15	11	14
9	41	e10	e35	54	62	90	322	45	10	17	11	14
10	41	e9.6	e60	54	56	88	279	44	11	13	9.8	19
11	41	e8.5	56	53	53	88	173	39	11	12	9.3	22
12	41	e8.5	42	66	53	88	87	33	11	13	9.1	22
13	42	e8.0	55	74	52	87	83	31	13	13	9.2	21
14	42	e7.6	94	85	52	87	78	31	14	12	9.3	19
15	43	e7.7	105	59	68	87	74	30	13	12	9.8	18
16	44	e8.5	121	58	64	87	69	26	18	12	9.7	19
17	43	e9.0	120	61	57	86	64	24	20	9.8	8.8	14
18	43	e8.9	119	62	54	86	59	21	23	9.5	8.8	14
19	45	e8.6	118	62	53	86	56	19	21	9.9	e8.9	14
20	43	e8.5	115	75	52	86	54	19	20	9.7	8.4	14
21	45	e8.9	114	99	53	73	53	17	19	10	9.2	15
22	43	e8.4	114	98	52	54	54	14	18	11	10	14
23	43	e8.5	109	98	66	53	88	13	16	10	12	14
24	42	e8.8	91	95	88	53	136	13	14	9.8	12	14
25	42	e11	88	95	88	52	134	9.8	12	8.6	13	15
26	42	e11	88	105	88	53	135	6.1	13	11	13	16
27	42	e9.9	87	128	88	59	121	3.9	12	11	13	13
28	42	e25	53	127	88	91	108	3.5	11	10	13	11
29	41	e15	15	126	---	84	99	3.0	13	10	13	12
30	42	e12	16	125	---	74	95	3.5	13	9.8	15	10
31	41	---	19	124	---	81	---	3.2	---	10	20	---
Total	1,319	387.0	2,008	2,304	1,949	2,483	5,823	999.0	378.5	336.8	349.3	453
Mean	42.5	12.9	64.8	74.3	69.6	80.1	194	32.2	12.6	10.9	11.3	15.1
Max	45	41	121	128	122	96	599	90	23	17	20	22
Min	41	7.6	11	18	50	52	53	3.0	4.0	5.7	8.4	10

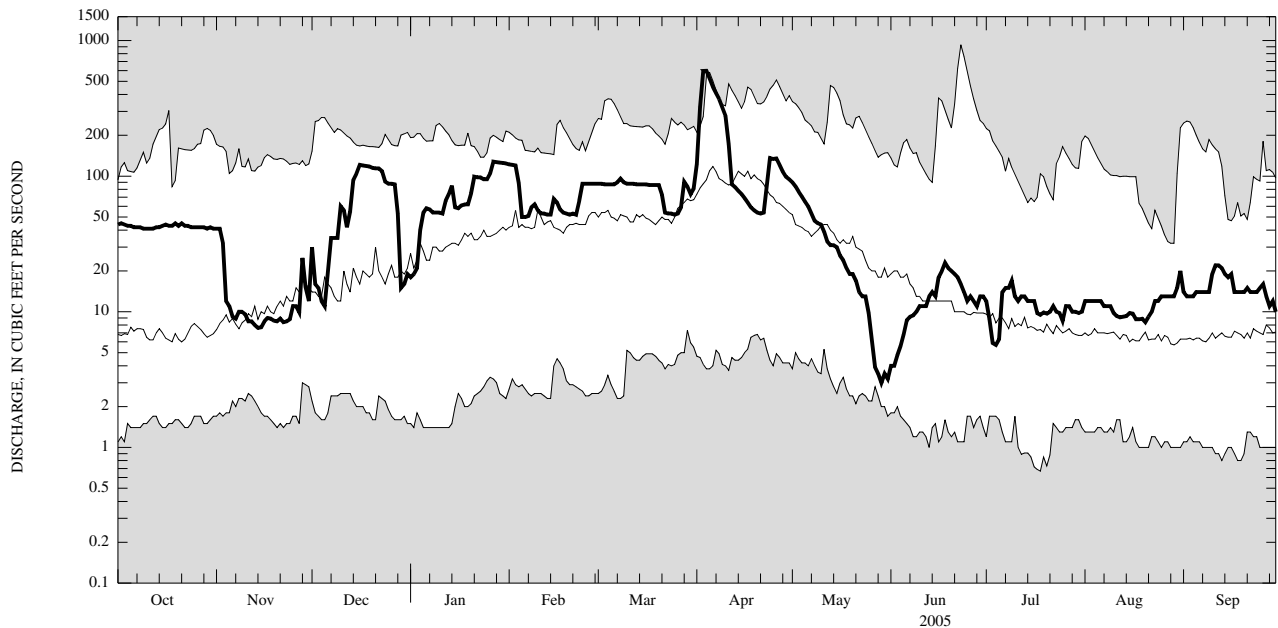
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	21.2	29.2	43.9	50.2	53.4	67.0	105	50.7	27.9	16.3	11.1	13.2
Max	147	125	160	157	143	180	352	151	278	74.0	76.2	110
(WY)	(1978)	(1978)	(1997)	(1973)	(1990)	(1998)	(1993)	(2000)	(1972)	(1972)	(1992)	(2004)
Min	1.52	2.47	2.90	2.75	3.10	5.23	5.80	3.24	1.45	1.65	1.28	1.16
(WY)	(1967)	(1967)	(1999)	(1981)	(1967)	(1965)	(1965)	(1965)	(1999)	(1981)	(1966)	(1966)

04240180 NINEMILE CREEK NEAR MARIETTA, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1964 - 2005	
Annual total	20,563.2		18,789.6			
Annual mean	56.2		51.5		40.7	
Highest annual mean					76.3	1976
Lowest annual mean					3.95	1965
Highest daily mean	255	Sep 2	599	Apr 4	931	Jun 23, 1972
Lowest daily mean	6.1	Jun 23	3.0	May 29	0.67	Jul 18, 1999
Annual seven-day minimum	7.0	Jun 20	3.6	May 27	0.77	Jul 15, 1999
10 percent exceeds	150		98		108	
50 percent exceeds	42		35		15	
90 percent exceeds	9.0		9.1		3.3	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04240300 NINEMILE CREEK AT LAKELAND, NY

Seneca Watershed

LOCATION.--Lat 43°04'51", long 76°13'36" referenced to North American Datum of 1927, Onondaga County, Hydrologic Unit 04140201, on left bank 30 ft downstream from bridge on State Highway 48, at Lakeland, 0.6 mi downstream from Geddes Brook, and 0.7 mi upstream from mouth.

DRAINAGE AREA.--115 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Occasional measurements, water years 1959-70. November 1970 to September 1973, July 1975 to current year.

REVISED RECORDS.--WDR NY-83-3: 1972 (M), 1976 (M), 1979 (M), 1982 (M). WDR NY 1997: 1976, 1977, 1978, 1979, 1980, 1981.

GAGE.--Acoustic velocity meter, water-stage recorder, and crest-stage gage. Datum of gage is 360.67 ft above NGVD of 1929.

REMARKS.-- Records good except those for estimated daily discharges, which are fair. Flow regulated by Otisco Lake from which water is diverted by Onondaga County Water Authority for water supply. Flow affected by backwater from Onondaga Lake whenever lake level exceeds about 362.0 ft. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 2,110 ft³/s, June 23, 1972; maximum gage height, 9.63 ft, Apr. 27, 1993, (backwater from Onondaga Lake); minimum daily discharge, about 13 ft³/s, Aug. 18, 1985. Maximum and minimum instantaneous discharges not determined.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,840 ft³/s, Apr. 3, maximum gage height, 8.08 ft, Apr. 3; minimum daily discharge, 39 ft³/s, Aug. 23. Maximum and minimum instantaneous discharges not determined.

04240300 NINEMILE CREEK AT LAKELAND, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	127	137	245	194	236	216	459	328	99	68	48	141
2	132	139	268	163	233	211	755	286	100	63	48	80
3	135	165	179	e160	233	205	1,840	264	92	57	47	e70
4	127	135	147	215	228	203	1,460	248	89	e60	46	e65
5	125	152	138	223	160	201	1,140	236	82	e60	56	e62
6	123	127	127	212	155	204	924	225	91	e65	49	e60
7	126	114	172	257	161	237	801	220	87	e65	50	e58
8	129	112	204	221	199	395	731	201	82	e95	50	54
9	129	110	176	200	294	326	637	193	82	187	60	50
10	126	104	297	196	266	285	563	187	84	114	49	49
11	128	100	574	197	225	260	489	191	78	78	47	69
12	123	96	366	227	214	245	329	185	79	63	45	76
13	126	109	267	437	201	235	304	164	85	93	56	72
14	129	110	264	604	193	224	289	171	115	59	53	69
15	136	87	243	375	332	219	271	173	e86	65	52	60
16	149	88	259	260	426	218	254	159	e102	51	45	68
17	142	86	257	234	321	219	242	148	113	41	42	63
18	135	85	241	210	259	222	235	142	123	55	46	51
19	142	89	246	189	221	222	219	140	109	54	45	50
20	143	86	229	211	212	228	217	134	102	50	50	53
21	162	90	228	e210	207	233	227	127	91	53	60	48
22	155	88	231	e205	199	238	216	122	e85	54	42	48
23	138	85	271	e205	197	260	476	122	e80	60	45	53
24	129	93	277	e210	220	241	638	131	e75	52	42	47
25	130	113	219	e205	219	245	463	122	e73	53	44	48
26	132	120	200	e205	215	238	381	114	e70	52	41	75
27	131	108	191	e215	210	271	339	107	67	65	39	98
28	129	182	184	e235	210	537	304	112	66	60	44	60
29	129	203	130	e240	---	614	283	110	96	54	46	102
30	145	141	120	254	---	498	315	103	72	51	64	68
31	143	---	166	243	---	444	---	100	---	52	305	---
Total	4,155	3,454	7,116	7,412	6,446	8,594	15,801	5,265	2,655	2,049	1,756	1,967
Mean	134	115	230	239	230	277	527	170	88.5	66.1	56.6	65.6
Max	162	203	574	604	426	614	1,840	328	123	187	305	141
Min	123	85	120	160	155	201	216	100	66	41	39	47

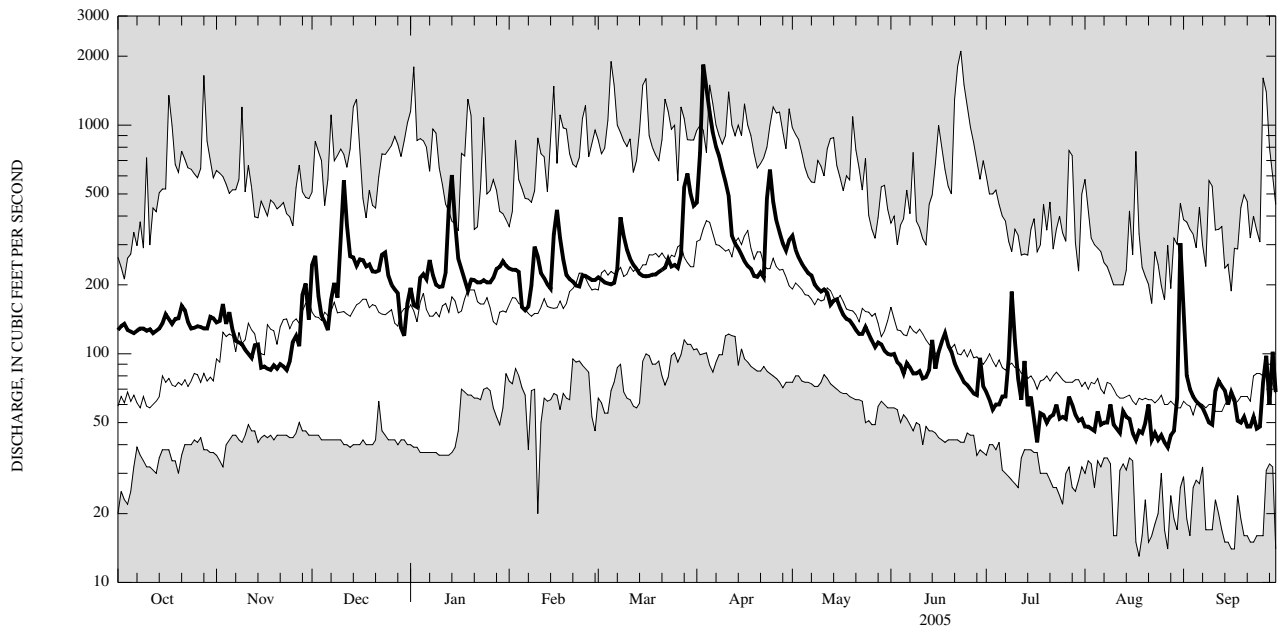
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	115	155	203	199	220	308	342	208	144	102	85.3	91.8
Max	506	439	623	492	549	586	807	385	676	289	216	308
(WY)	(1978)	(1978)	(1973)	(1973)	(1990)	(1979)	(1993)	(1983)	(1972)	(1972)	(1992)	(1975)
Min	40.9	45.0	42.7	81.8	86.0	112	100	69.1	47.7	40.5	28.6	33.0
(WY)	(1998)	(1999)	(1999)	(1984)	(1989)	(1983)	(1995)	(1995)	(1999)	(1999)	(1985)	(1985)

04240300 NINEMILE CREEK AT LAKELAND, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1971 - 2005	
Annual total	73,160		66,670			
Annual mean	200		183		177	
Highest annual mean					310	1973
Lowest annual mean					91.2	1995
Highest daily mean	821	Mar 27	1,840	Apr 3	2,110	Jun 23, 1972
Lowest daily mean	77	Jul 25	39	Aug 27	13	Aug 18, 1985
Annual seven-day minimum	83	Jun 30	42	Aug 22	16	Sep 20, 1985
10 percent exceeds	349		300		356	
50 percent exceeds	151		139		130	
90 percent exceeds	96		52		50	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

Water-Data Report NY-2005

04240495 ONONDAGA LAKE AT LIVERPOOL, NY

Seneca Watershed

LOCATION.--Lat 43°06'01", long 76°12'34" referenced to North American Datum of 1927, Onondaga County, Hydrologic Unit 04140201, on north shore of Onondaga Lake at Onondaga Park Marina basin, 200 ft southwest of Onondaga Lake Parkway, and 1.9 mi upstream from outlet of lake.

DRAINAGE AREA.--285 mi².

WATER-STAGE RECORDS

PERIOD OF RECORD.--October 1970 to current year. Elevation records, at Barge Canal datum, since February 1927 collected by, and in files of, New York State Department of Transportation at Syracuse.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. To convert elevations to NAVD adjustment of 1988, subtract 0.59 ft.

REMARKS.--Lake elevation regulated by operation of Erie (Barge) Canal. Area of water surface, 4.60 mi². Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 369.78 ft, Apr. 26, 27, 1993; minimum elevation, 361.54 ft, Mar. 13, 1978.

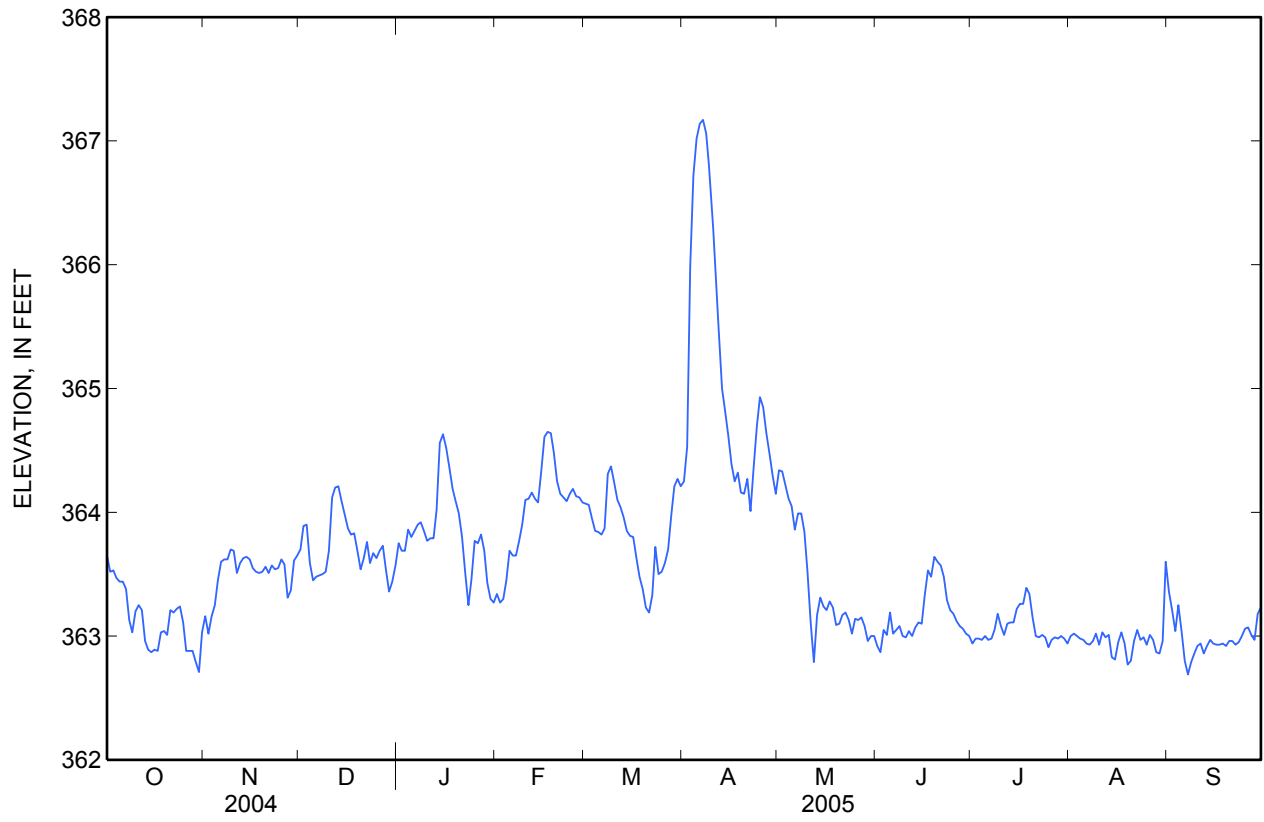
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 367.22 ft, Apr 7; minimum elevation, 362.60 ft, Oct 30.

04240495 ONONDAGA LAKE AT LIVERPOOL, NY—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	363.65	363.16	363.70	363.75	363.34	364.07	364.25	364.34	362.92	362.94	363.00	363.36
2	363.52	363.02	363.89	363.69	363.27	364.06	364.53	364.33	362.87	362.98	363.02	363.21
3	363.53	363.16	363.90	363.69	363.30	363.95	365.98	364.22	363.05	362.98	363.00	363.04
4	363.47	363.25	363.59	363.86	363.45	363.85	366.72	364.11	363.01	362.97	362.98	363.25
5	363.44	363.45	363.45	363.80	363.69	363.84	367.02	364.05	363.19	363.00	362.97	363.04
6	363.44	363.60	363.48	363.85	363.65	363.82	367.14	363.86	363.02	362.97	362.94	362.80
7	363.38	363.62	363.49	363.90	363.65	363.87	367.17	363.99	363.05	362.98	362.93	362.69
8	363.13	363.62	363.50	363.92	363.77	364.31	367.06	363.99	363.08	363.05	362.96	362.79
9	363.03	363.70	363.52	363.85	363.90	364.37	366.79	363.84	363.00	363.18	363.02	362.86
10	363.20	363.69	363.69	363.77	364.10	364.24	366.36	363.52	362.99	363.08	362.93	362.92
11	363.25	363.51	364.12	363.79	364.11	364.10	365.95	363.11	363.04	363.01	363.03	362.94
12	363.21	363.59	364.20	363.79	364.16	364.04	365.46	362.79	363.00	363.10	362.99	362.86
13	362.96	363.63	364.21	364.02	364.11	363.96	365.00	363.17	363.07	363.11	363.01	362.92
14	362.89	363.64	364.09	364.56	364.08	363.85	364.82	363.31	363.11	363.11	362.83	362.97
15	362.87	363.62	363.98	364.63	364.33	363.81	364.62	363.24	363.10	363.22	362.81	362.94
16	362.89	363.55	363.87	364.52	364.61	363.80	364.39	363.21	363.33	363.26	362.95	362.93
17	362.88	363.52	363.82	364.36	364.65	363.63	364.25	363.28	363.53	363.26	363.03	362.93
18	363.03	363.51	363.83	364.19	364.64	363.48	364.32	363.23	363.48	363.39	362.94	362.94
19	363.04	363.52	363.69	364.09	364.48	363.38	364.16	363.09	363.64	363.34	362.77	362.92
20	363.01	363.56	363.54	363.99	364.25	363.23	364.15	363.10	363.60	363.15	362.80	362.96
21	363.21	363.51	363.63	363.80	364.15	363.19	364.27	363.17	363.57	363.00	362.96	362.96
22	363.19	363.57	363.76	363.51	364.12	363.33	364.01	363.19	363.48	362.99	363.05	362.93
23	363.22	363.54	363.59	363.25	364.09	363.72	364.37	363.13	363.29	363.01	362.97	362.95
24	363.24	363.55	363.67	363.46	364.15	363.50	364.70	363.02	363.21	362.99	362.99	363.00
25	363.11	363.62	363.63	363.77	364.19	363.52	364.93	363.14	363.18	362.91	362.93	363.06
26	362.88	363.58	363.69	363.75	364.13	363.59	364.85	363.13	363.12	362.97	363.01	363.07
27	362.88	363.31	363.73	363.82	364.12	363.70	364.64	363.15	363.08	362.99	362.97	363.01
28	362.88	363.37	363.54	363.69	364.08	363.98	364.47	363.08	363.06	362.98	362.87	362.97
29	362.79	363.61	363.36	363.43	---	364.21	364.29	362.96	363.02	363.00	362.86	363.18
30	362.71	363.65	363.44	363.30	---	364.27	364.15	363.00	363.00	362.98	362.96	363.23
31	363.03	---	363.57	363.27	---	364.21	---	363.00	---	362.94	363.60	---
Mean	363.13	363.51	363.72	363.84	364.02	363.83	365.16	363.41	363.17	363.06	362.97	362.99
Max	363.65	363.70	364.21	364.63	364.65	364.37	367.17	364.34	363.64	363.39	363.60	363.36
Min	362.71	363.02	363.36	363.25	363.27	363.19	364.01	362.79	362.87	362.91	362.77	362.69

04240495 ONONDAGA LAKE AT LIVERPOOL, NY—Continued



04240503 ONONDAGA LAKE OUTLET NEAR LIVERPOOL NY

Seneca Watershed

LOCATION.--Lat 43°07'10.2", long 76°14'48.0" referenced to North American Datum of 1927, Onondaga County, Hydrologic Unit 04140201, along right bank, 1,000 ft. upstream from mouth of Onondaga Lake Outlet and Seneca River near Liverpool.

DRAINAGE AREA.--287 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 2003 to current year.

GAGE.--Acoustic velocity meter and water-stage recorder. Datum of gage is 300.00 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges and those during July through September, which are fair. Considerable seasonal regulation by operation of gates in Seneca River and Erie (Barge) Canal with a large amount of natural storage in Onondaga Lake. A large amount of natural storage and some artificial regulation is afforded by many large lakes and the Erie (Barge) Canal system in the river basin. Large diurnal fluctuations at low and medium flows caused by powerplants upstream from station. Seneca River basin receives water from Erie (Barge) Canal through Lock 32 near Pittsford. During part of year, entire flow from 45.5 mi² of Mud Creek drainage area may be diverted from Chemung River basin into Keuka Lake in Oswego River basin. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 2,990 ft³/s, Apr. 3, 2005; minimum daily discharge, -706 ft³/s, Jan. 11, 2004. Maximum and minimum instantaneous discharges not determined.

EXTREMES FOR CURRENT PERIOD.--October 2003 to September 2004: Maximum daily discharge, 2,270 ft³/s, Apr. 14; minimum daily discharge, -706 ft³/s, Jan. 11. Maximum and minimum instantaneous discharges not determined.

Water year 2005: Maximum daily discharge 2,990 ft³/s, Apr. 3; minimum daily discharge -190 ft³/s, Sep. 3. Maximum and minimum instantaneous discharges not determined.

04240503 ONONDAGA LAKE OUTLET NEAR LIVERPOOL NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	485	856	1,220	210	793	1,010	922	836	171	751	1,530
2	---	568	865	1,150	855	519	1,070	871	936	294	686	1,650
3	---	589	839	996	170	1,040	996	1,370	707	348	582	1,330
4	---	512	737	1,060	264	1,320	890	919	624	358	618	1,100
5	---	505	726	958	583	1,300	1,000	1,000	690	158	524	776
6	---	510	867	958	575	1,790	1,060	847	963	417	537	661
7	---	436	598	895	683	1,980	914	984	558	482	252	457
8	---	295	532	859	768	1,740	756	715	839	680	446	607
9	---	444	537	1,070	339	1,480	900	811	485	416	544	1,130
10	---	881	519	712	90	1,290	887	868	658	416	547	914
11	---	392	954	-706	620	1,080	892	809	839	399	419	554
12	---	431	1,700	929	668	995	826	733	446	148	468	624
13	---	146	1,360	1,170	592	855	1,090	583	502	387	231	737
14	---	466	904	502	363	1,010	2,270	923	426	391	516	751
15	---	414	1,150	506	667	505	1,280	1,000	635	309	530	772
16	---	493	1,120	710	623	640	858	775	681	580	613	680
17	---	550	652	245	806	1,000	940	661	772	781	383	702
18	---	608	907	306	696	609	1,070	607	471	773	463	969
19	---	598	821	735	475	718	1,190	700	395	289	304	711
20	---	1,140	807	866	470	766	1,080	872	331	435	11	436
21	227	870	943	847	518	795	992	696	430	418	729	511
22	339	751	844	710	358	873	1,230	676	297	400	403	290
23	452	677	922	747	550	716	889	517	489	446	730	458
24	206	766	1,000	671	479	777	862	1,790	434	571	218	313
25	240	746	1,450	410	447	840	843	1,620	237	416	494	614
26	373	736	1,230	298	261	948	1,310	1,140	344	559	414	555
27	823	739	1,090	309	570	1,970	876	792	454	1,420	629	409
28	623	643	1,090	585	586	1,880	697	1,150	465	1,870	550	479
29	358	633	981	1,180	420	1,330	587	1,180	268	1,320	473	564
30	685	725	1,020	891	---	1,220	615	999	359	915	1,100	550
31	624	---	1,290	774	---	1,200	---	740	---	748	1,900	---
Total	---	17,749	29,311	22,563	14,706	33,979	29,880	28,270	16,571	17,315	17,065	21,834
Mean	---	592	946	728	507	1,096	996	912	552	559	550	728
Max	---	1,140	1,700	1,220	855	1,980	2,270	1,790	963	1,870	1,900	1,650
Min	---	146	519	-706	90	505	587	517	237	148	11	290

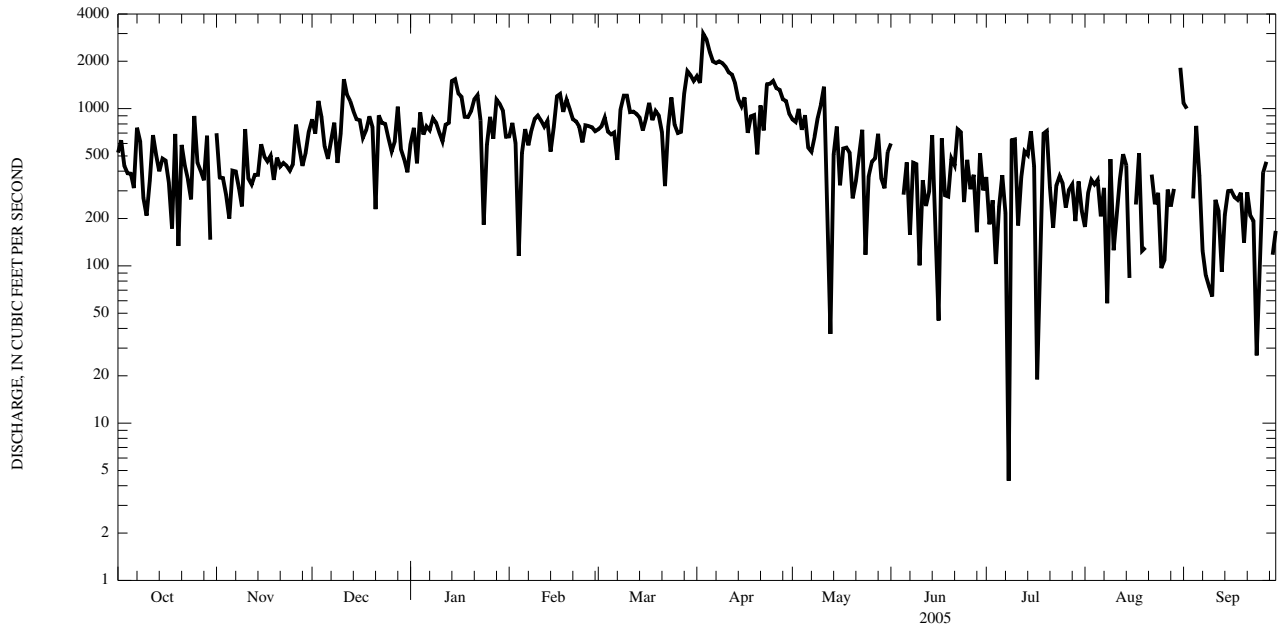
04240503 ONONDAGA LAKE OUTLET NEAR LIVERPOOL NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	526	698	856	605	665	739	1,610	855	600	367	177	1,080
2	630	365	694	756	811	774	1,460	824	-26	184	294	1,000
3	433	362	1,120	449	602	878	2,990	996	232	262	353	-190
4	388	283	883	945	116	714	e2,750	734	-22	103	330	269
5	386	200	571	685	523	687	e2,300	910	284	238	352	777
6	313	404	479	773	742	706	e2,000	565	456	378	207	374
7	757	399	620	731	585	473	e1,950	533	158	217	314	125
8	618	314	814	869	729	993	e2,000	666	453	4.3	58	87
9	271	239	452	814	859	1,210	e1,950	882	444	631	478	74
10	209	741	694	705	904	1,210	e1,850	1,070	101	639	126	64
11	348	359	1,540	619	841	951	e1,700	1,380	351	181	214	263
12	678	330	1,230	792	770	958	e1,650	200	241	368	356	223
13	505	379	1,120	812	840	926	1,450	37	299	536	513	92
14	399	379	968	1,500	534	877	1,150	511	680	507	436	211
15	482	593	858	1,540	767	726	1,040	769	225	719	84	299
16	467	495	846	1,250	1,200	868	1,180	326	45	430	-28	301
17	340	463	653	1,190	1,240	1,090	702	559	647	19	246	274
18	173	503	730	888	955	845	894	567	281	135	521	263
19	691	353	895	884	1,140	967	912	526	276	696	125	292
20	134	489	760	967	993	905	512	269	482	723	131	141
21	588	429	230	1,150	855	708	1,050	346	437	314	-3.4	294
22	434	451	907	1,220	829	322	728	506	739	175	381	209
23	355	434	812	845	768	764	1,430	734	709	326	247	193
24	265	404	801	183	611	1,180	1,440	118	255	372	292	27
25	898	443	649	589	782	792	1,500	374	473	336	97	116
26	453	792	536	888	776	701	1,350	461	308	235	109	393
27	402	569	620	644	763	712	1,320	484	380	305	306	460
28	350	433	1,030	1,140	720	1,250	1,150	693	164	330	238	-51
29	673	525	550	1,070	---	1,730	1,120	359	519	193	309	118
30	147	719	475	970	---	1,630	929	312	302	345	-16	167
31	-130	---	394	663	---	1,500	---	530	---	224	1,820	---
Total	13,183	13,547	23,787	27,136	21,920	28,786	44,067	18,096	10,493	10,492.3	9,066.6	7,945
Mean	425	452	767	875	783	929	1,469	584	350	338	292	265
Max	898	792	1,540	1,540	1,240	1,730	2,990	1,380	739	723	1,820	1,080
Min	-130	200	230	183	116	322	512	37	-26	4.3	-28	-190

04240503 ONONDAGA LAKE OUTLET NEAR LIVERPOOL NY—Continued



04240508 SENECA RIVER (DOWNSTREAM OF ONONDAGA OUTLET) NEAR LIVERPOOL, NY

Seneca Watershed

LOCATION.--Lat 43°07'33.8", long 76°15'08.3" referenced to North American Datum of 1927, Onondaga County, Hydrologic Unit 04140201, on right bank 1000 ft. downstream of junction of Outlet of Onondaga Lake and Seneca River, in Long Branch Park, near State Highway 370.

DRAINAGE AREA.--3446 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 2003 to current year.

GAGE.--Acoustic velocity meter and water-stage recorder. Datum of gage is 300.00 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Considerable seasonal regulation by operation of gates in Seneca River and Erie (Barge) Canal. A large amount of natural storage and some artificial regulation is afforded by many large lakes and the Erie (Barge) Canal system in the river basin. Large diurnal fluctuations at low and medium flows caused by powerplants upstream from station. Seneca River basin receives water from Erie (Barge) Canal through Lock 32 near Pittsford. During part of year, entire flow from 45.5 mi² of Mud Creek drainage area may be diverted from Chemung River basin into Keuka Lake in Oswego River basin. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 7,850 ft³/s, Apr. 4, 2005; minimum daily discharge, 201 ft³/s, Aug. 20, 2005. Maximum and minimum instantaneous discharges not determined.

EXTREMES FOR CURRENT PERIOD.--October 2003 to September 2004: Maximum daily discharge, 6,110 ft³/s, Mar. 7; minimum daily discharge, 471 ft³/s, July 5. Maximum and minimum instantaneous discharges not determined.

Water year 2005: Maximum daily discharge, 7,850 ft³/s, Apr. 8; minimum daily discharge, 201 ft³/s, Aug. 20. Maximum and minimum instantaneous discharges not determined.

04240508 SENECA RIVER (DS ONONDAGA OUTLET) AT KLEIN ISLAND, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	2,260	4,090	5,510	1,600	1,570	4,170	3,580	4,670	549	4,150	3,820
2	---	2,180	4,180	5,350	1,920	1,600	4,080	3,490	4,540	720	3,780	4,270
3	---	2,190	4,000	5,070	1,260	2,990	4,140	4,050	4,550	718	3,390	4,200
4	---	2,360	3,790	4,950	1,720	4,200	4,220	3,920	4,380	684	3,240	3,980
5	---	2,270	3,560	4,860	1,880	4,860	4,480	3,920	4,360	471	2,940	3,500
6	---	2,270	3,420	4,770	1,980	5,830	4,540	3,850	4,380	718	2,700	3,370
7	---	2,240	3,140	4,600	2,150	6,110	4,420	3,950	3,720	587	2,080	3,040
8	---	2,190	3,020	4,370	1,990	5,780	4,230	3,690	3,490	942	2,250	3,300
9	---	2,200	2,950	4,260	1,560	5,260	4,040	3,750	2,930	777	2,390	4,270
10	---	2,470	3,000	3,960	1,520	4,810	3,440	3,770	2,890	822	2,280	4,770
11	---	2,120	3,490	2,830	2,030	4,210	2,960	3,600	2,710	934	1,920	5,160
12	---	2,150	4,390	4,350	1,960	3,820	2,470	3,550	2,380	848	1,660	5,430
13	---	2,050	4,440	4,530	1,910	3,530	2,540	3,420	2,370	1,340	1,350	5,540
14	---	2,430	4,210	3,690	1,820	3,500	4,350	3,700	2,390	1,700	1,820	5,450
15	---	2,420	4,340	3,320	1,990	2,900	4,420	3,650	2,470	2,550	1,680	5,070
16	---	2,470	4,250	3,140	1,930	2,880	4,490	3,430	2,290	2,990	1,670	4,600
17	---	2,530	3,750	3,090	1,750	2,940	4,760	3,430	1,890	3,010	1,320	4,170
18	---	2,510	4,160	3,380	1,540	2,700	4,670	3,430	1,570	2,520	1,230	4,090
19	---	2,590	4,060	3,820	1,070	2,700	4,790	3,420	1,630	2,000	1,060	3,980
20	---	3,350	4,090	3,960	1,090	2,790	4,720	3,350	1,590	2,280	935	4,080
21	---	3,620	4,230	4,010	1,160	2,800	4,500	3,030	1,710	2,240	1,600	4,300
22	---	3,780	4,070	3,900	1,260	2,840	4,670	2,870	1,410	2,290	1,630	4,020
23	---	3,730	4,080	3,540	1,120	2,850	4,330	2,650	1,260	2,370	1,620	4,100
24	e200	3,590	4,270	3,020	1,180	2,810	4,270	4,090	1,020	2,500	1,410	4,070
25	430	3,520	5,270	2,830	1,200	2,810	4,230	4,790	941	2,310	2,020	4,150
26	499	3,420	5,560	2,640	1,270	2,940	4,600	4,910	1,100	1,950	1,860	3,840
27	1,150	3,250	5,660	2,810	1,480	4,580	4,130	4,940	1,230	3,040	1,520	3,740
28	1,620	3,240	5,750	2,790	1,580	5,160	3,920	5,170	1,070	4,840	1,150	3,680
29	2,100	3,590	5,570	2,910	1,470	4,710	3,770	5,060	874	4,940	1,250	3,530
30	2,460	3,840	5,550	2,580	---	4,440	3,590	4,890	854	4,750	2,340	3,390
31	2,450	---	5,640	2,140	---	4,340	---	4,780	---	4,460	3,800	---
Total	---	82,830	131,980	116,980	46,390	115,260	123,940	120,130	72,669	62,850	64,045	124,910
Mean	---	2,761	4,257	3,774	1,600	3,718	4,131	3,875	2,422	2,027	2,066	4,164
Max	---	3,840	5,750	5,510	2,150	6,110	4,790	5,170	4,670	4,940	4,150	5,540
Min	---	2,050	2,950	2,140	1,070	1,570	2,470	2,650	854	471	935	3,040

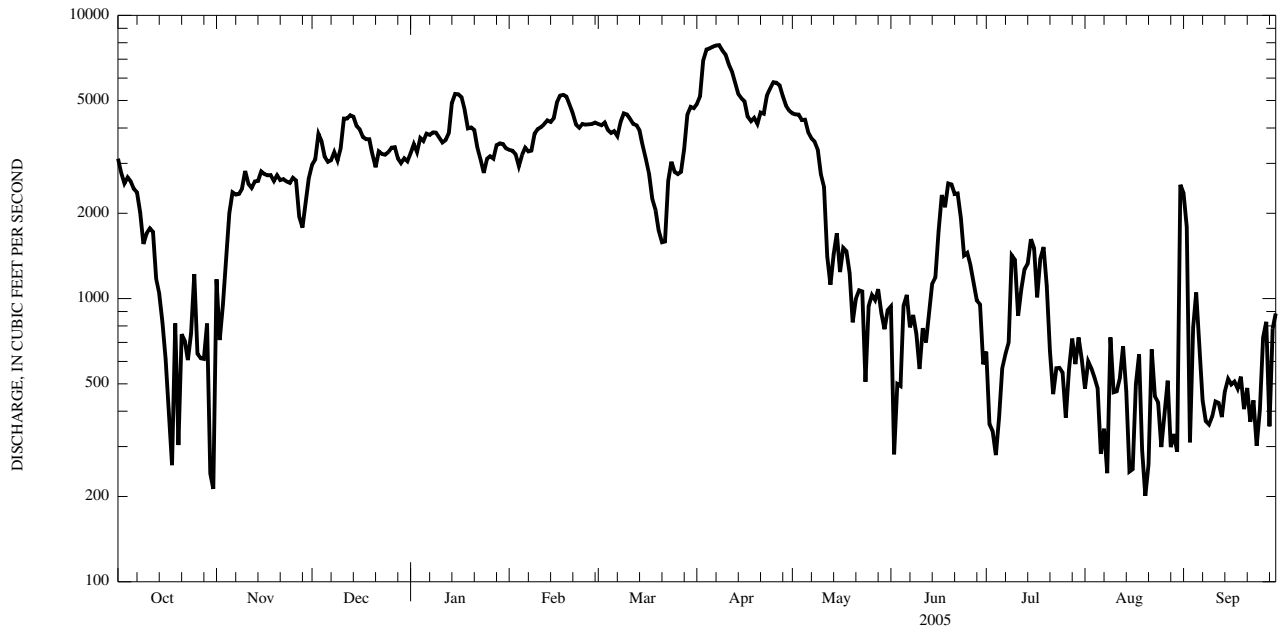
04240508 SENECA RIVER (DS ONONDAGA OUTLET) AT KLEIN ISLAND, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3,120	1,170	2,970	3,260	3,350	4,130	4,860	4,510	938	e650	481	2,350
2	2,780	714	3,100	3,510	3,330	4,090	5,180	4,470	282	e360	600	1,790
3	2,550	950	3,810	3,290	3,230	4,180	6,950	4,460	499	e340	568	311
4	2,680	1,380	3,600	3,690	2,930	3,940	7,580	4,270	491	e280	526	790
5	2,590	2,000	3,170	3,600	3,210	3,840	7,650	4,280	947	e380	481	1,050
6	2,440	2,370	3,040	3,820	3,410	3,900	7,760	3,860	1,030	e570	283	642
7	2,370	2,330	3,080	3,780	3,310	3,750	7,830	3,680	791	639	347	437
8	2,010	2,340	3,290	3,860	3,330	4,200	7,850	3,580	874	702	242	369
9	1,560	2,440	3,070	3,850	3,820	4,510	7,520	3,350	751	1,420	730	359
10	1,700	2,820	3,400	3,700	3,970	4,470	7,270	2,730	564	1,370	467	384
11	1,770	2,540	4,320	3,560	4,030	4,310	6,720	2,470	786	870	471	433
12	1,720	2,460	4,320	3,630	4,130	4,130	6,340	1,410	700	1,080	525	428
13	1,170	2,590	4,440	3,840	4,260	4,090	5,780	1,120	882	1,270	678	382
14	1,040	2,600	4,390	4,910	4,200	3,920	5,270	1,430	1,130	1,330	470	471
15	825	2,810	4,070	5,280	4,340	3,450	5,090	1,700	1,190	1,620	245	520
16	611	2,750	3,960	5,260	4,930	3,090	4,970	1,240	1,730	1,500	250	497
17	380	2,720	3,720	5,140	5,210	2,740	4,380	1,510	2,320	1,010	498	509
18	258	2,730	3,650	4,630	5,240	2,240	4,230	1,470	2,100	1,390	635	481
19	817	2,600	3,650	3,990	5,170	2,050	4,350	1,230	2,550	1,520	292	530
20	304	2,730	3,210	4,020	4,830	1,730	4,140	825	2,530	1,110	201	407
21	748	2,620	2,910	3,940	4,490	1,580	4,540	1,000	2,340	651	259	483
22	708	2,640	3,310	3,390	4,110	1,590	4,490	1,070	2,350	460	661	367
23	607	2,590	3,240	3,090	4,010	2,600	5,210	1,060	1,930	568	451	437
24	754	2,560	3,220	2,780	4,140	3,040	5,510	508	1,420	569	430	302
25	1,220	2,670	3,290	3,110	4,110	2,800	5,800	944	1,450	548	299	405
26	637	2,610	3,410	3,180	4,120	2,750	5,780	1,030	1,310	380	388	727
27	615	1,940	3,420	3,120	4,130	2,800	5,660	988	1,140	562	513	828
28	612	1,780	3,130	3,480	4,180	3,380	5,180	1,080	984	722	299	354
29	816	2,170	3,010	3,530	---	4,470	4,800	891	954	587	332	783
30	242	2,670	3,130	3,510	---	4,750	4,610	780	586	729	288	886
31	213	---	3,050	3,390	---	4,700	---	910	---	609	2,520	---
Total	39,867	69,294	107,380	117,140	113,520	107,220	173,300	63,856	37,549	25,796	15,430	18,712
Mean	1,286	2,310	3,464	3,779	4,054	3,459	5,777	2,060	1,252	832	498	624
Max	3,120	2,820	4,440	5,280	5,240	4,750	7,850	4,510	2,550	1,620	2,520	2,350
Min	213	714	2,910	2,780	2,930	1,580	4,140	508	282	280	201	302

04240508 SENECA RIVER (DS ONONDAGA OUTLET) AT KLEIN ISLAND, NY—Continued



04243500 ONEIDA CREEK AT ONEIDA, NY

Oneida Watershed

LOCATION.--Lat 43°05'51", long 75°38'22" referenced to North American Datum of 1927, Oneida County, Hydrologic Unit 04140202, on right bank 70 ft upstream from bridge on Sconondoa Street at Oneida, and 500 ft downstream from Sconondoa Creek.

DRAINAGE AREA.--113 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1949 to current year.

REVISED RECORDS.--WSP 2112: Drainage area. WDR NY-78-1: 1951, 1956, 1958, 1961, 1963, 1964, 1972, 1976 (P). WDR NY-83-3: 1950 (M), 1977 (M), 1979 (M).

GAGE.--Water-stage recorder. Datum of gage is 409.33 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Occasional regulation by small mills upstream from station. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,110 ft³/s, Oct. 9, 1976, gage height, 15.01 ft; minimum discharge, 9.5 ft³/s, Sept. 6, 7, 1999; minimum gage height, 1.30 ft, Aug. 3, 6, 1955, Aug. 17, 1964.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,900 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr 03	0701	*2,520	*9.72
No other peak greater than base discharge			

Minimum discharge, 18 ft³/s, Aug 27, 28, gage height, 1.76 ft.

04243500 ONEIDA CREEK AT ONEIDA, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	94	114	1,020	268	e150	e150	1,010	212	61	50	29	97
2	96	110	846	215	e140	e150	1,180	186	59	47	28	57
3	110	200	486	270	e150	e150	2,000	171	57	42	27	39
4	93	227	354	434	e145	e145	1,150	158	56	40	25	34
5	86	496	308	284	e140	e140	748	147	53	54	25	33
6	83	356	257	259	e140	e140	531	137	54	52	26	31
7	80	259	277	341	e155	203	452	129	56	e45	24	28
8	78	194	413	253	287	e600	425	122	50	e47	27	26
9	74	172	276	223	512	e400	337	118	48	51	27	27
10	74	157	483	219	e1,000	e270	286	116	95	37	23	24
11	76	154	1,440	214	e660	e250	249	105	115	27	22	23
12	72	141	883	347	e480	e200	228	98	137	39	24	23
13	72	129	562	1,050	e300	e180	214	95	142	e150	52	23
14	70	119	412	1,310	e280	e165	198	99	155	99	33	23
15	84	118	316	655	e540	e150	183	104	105	103	29	27
16	211	114	282	e390	738	e145	172	96	141	54	25	30
17	116	111	263	e300	462	e145	165	93	154	46	24	30
18	111	111	e225	e250	318	e155	147	89	189	54	22	30
19	147	124	229	e220	e260	e180	136	86	124	50	22	26
20	153	118	e170	e280	e230	200	144	75	99	40	26	26
21	228	136	e200	e220	225	259	163	76	85	37	29	28
22	251	122	e220	e190	208	348	148	85	94	40	25	23
23	160	112	475	e210	196	316	570	88	76	59	22	24
24	132	113	478	e200	e170	287	890	90	67	40	21	25
25	116	454	299	e215	e165	320	455	88	62	37	21	25
26	109	323	e240	e210	e165	288	304	81	58	33	20	42
27	103	239	e180	e170	e155	340	242	76	57	40	19	103
28	95	1,090	e200	e155	e165	1,170	229	73	56	40	25	45
29	91	735	213	e160	---	1,130	213	78	59	34	24	37
30	105	410	177	e165	---	1,000	200	69	56	30	88	36
31	106	---	235	e155	---	923	---	64	---	29	173	---
Total	3,476	7,258	12,419	9,832	8,536	10,499	13,369	3,304	2,620	1,546	1,007	1,045
Mean	112	242	401	317	305	339	446	107	87.3	49.9	32.5	34.8
Max	251	1,090	1,440	1,310	1,000	1,170	2,000	212	189	150	173	103
Min	70	110	170	155	140	140	136	64	48	27	19	23
Cfsm	0.99	2.14	3.55	2.81	2.70	3.00	3.94	0.94	0.77	0.44	0.29	0.31
In.	1.14	2.39	4.09	3.24	2.81	3.46	4.40	1.09	0.86	0.51	0.33	0.34

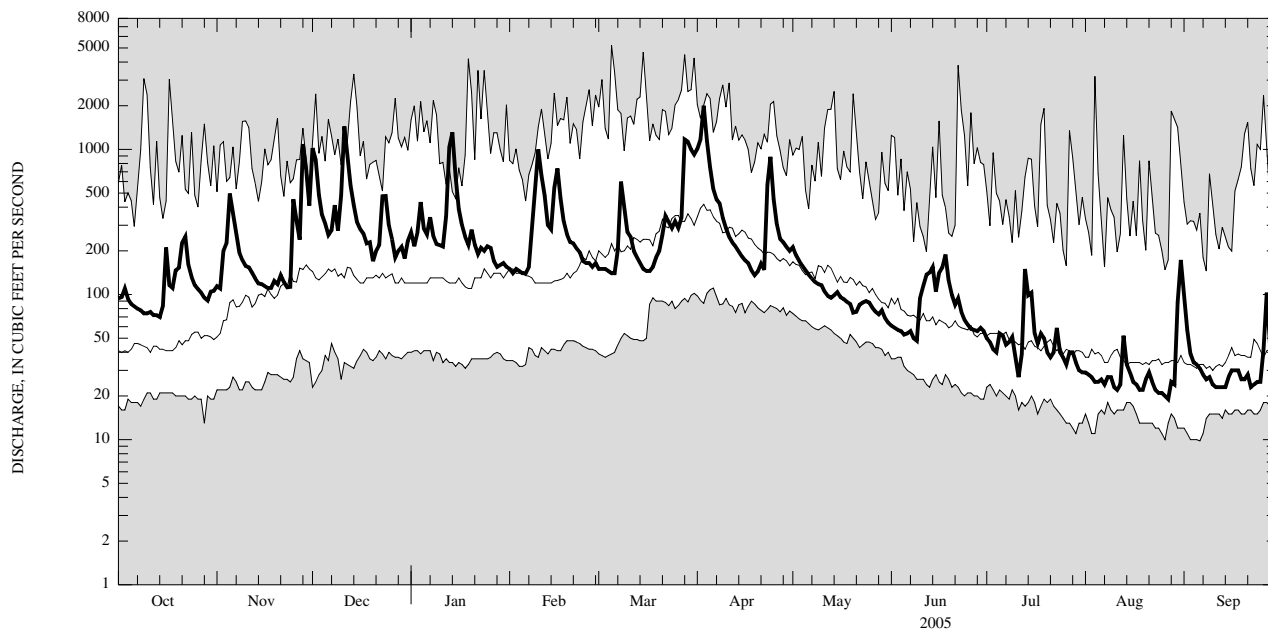
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	87.6	154	199	197	224	369	346	170	106	68.0	57.8	63.0
Max	472	382	481	452	589	781	915	495	539	225	357	297
(WY)	(1978)	(1973)	(1974)	(1998)	(1976)	(1977)	(1993)	(2000)	(1972)	(1951)	(2004)	(1977)
Min	21.5	30.5	39.6	38.9	50.5	131	109	61.0	28.4	23.2	14.8	18.0
(WY)	(1964)	(1965)	(1961)	(1981)	(1980)	(1981)	(1981)	(1995)	(1999)	(1962)	(1999)	(1964)

04243500 ONEIDA CREEK AT ONEIDA, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1950 - 2005	
Annual total	85,281		74,911			
Annual mean	233		205		170	
Highest annual mean					284	1976
Lowest annual mean					89.7	1988
Highest daily mean	1,490	Mar 6	2,000	Apr 3	5,210	Mar 5, 1979
Lowest daily mean	35	Jul 6	19	Aug 27	9.8	Sep 6, 1999
Annual seven-day minimum	42	Jun 30	22	Aug 23	11	Sep 1, 1999
Annual runoff (cfsm)	2.06		1.82		1.50	
Annual runoff (inches)	28.07		24.66		20.42	
10 percent exceeds	463		454		365	
50 percent exceeds	153		140		97	
90 percent exceeds	72		27		30	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD. SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04245200 BUTTERNUT CREEK NEAR JAMESVILLE, NY

Oneida Watershed

LOCATION.--Lat 42°56'02", long 76°03'44" referenced to North American Datum of 1927, Onondaga County, Hydrologic Unit 04140202, on left bank 15 ft downstream from bridge on Walberger Road, 125 ft downstream from Stebbens Gulf, 2.2 mi upstream from Jamesville Reservoir, and 4.0 mi south of Jamesville.

DRAINAGE AREA.--32.2 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Miscellaneous measurements--1955-58, continuous record--July 1958 to September 1999, annual maximum only--2000 to current year.

GAGE.—Water-stage recorder. Elevation of gage is 350 ft above NGVD of 1929, from topographic map.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,820 ft³/s, July 3, 1974, gage height, 7.84 ft; maximum gage height 9.20 ft, Jan. 19, 1996 (ice jam), discharge, about 1850 ft³/s.

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 3, 2005	1,060	---	9.16	---



04245236 MEADOW BROOK AT HURLBURT ROAD, SYRACUSE, NY

Oneida Watershed

LOCATION.--Lat 43°02'30", long 76°06'02" referenced to North American Datum of 1927, Onondaga County, Hydrologic Unit 04140202, on right bank 170 ft downstream from culvert at intersection of Hurlburt Road and Meadowbrook Drive, in Syracuse, 2.3 mi upstream from mouth.

DRAINAGE AREA.--3.06 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1970 to March 1973, April 1973 to September 1978 (annual maximum only), October 1978 to current year.

REVISED RECORDS.--WDR NY-75-1: 1974 (M). WDR NY-78-1: 1977 (M). WDR-NY-90-3: 1971-89 (P). WDR NY-2001-3: Drainage area.

GAGE.--Water-stage recorder, crest-stage gage, and artificial control. Datum of gage is 511.50 ft above NGVD of 1929.

REMARKS.—No estimated daily discharges. Records fair. Flow includes storm sewer inflow, some originating outside the basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 418 ft³/s, July 3, 1974, gage height 6.51 ft, from rating curve extended above 62 ft³/s on basis of computation of peak flow through culvert at gage height 6.36 ft; minimum discharge, 0.02 ft³/s, Sept. 11, 1972, Aug. 24, 1990.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Aug 30	2300	*115	*3.10
No other peak greater than base discharge			

Minimum discharge, 0.55 ft³/s, on several days, gage height, 1.13 ft.

04245236 MEADOW BROOK AT HURLBURT ROAD, SYRACUSE, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.3	1.9	13	2.0	1.9	2.0	2.6	2.9	1.6	1.3	0.72	2.1
2	3.6	2.3	2.7	1.8	1.9	2.0	27	2.3	1.6	1.2	0.76	1.1
3	1.5	2.6	1.9	2.0	1.9	1.7	33	2.3	1.4	1.2	0.76	0.92
4	1.2	3.1	1.6	4.1	1.9	1.7	9.3	2.2	1.2	1.2	0.85	0.84
5	1.1	2.4	1.6	1.9	2.0	1.7	4.3	2.1	1.2	1.5	2.1	0.86
6	1.1	1.4	1.5	4.5	2.1	1.9	3.5	2.1	1.6	1.3	0.72	0.88
7	1.1	1.2	3.3	3.5	2.3	7.6	3.5	2.1	1.4	1.2	0.66	0.90
8	1.2	1.5	2.1	2.2	6.0	11	3.0	1.9	1.3	1.3	1.5	0.92
9	1.3	1.2	1.6	2.1	5.2	3.1	2.6	1.9	1.2	3.1	1.0	1.0
10	1.2	0.95	15	2.3	3.8	2.4	2.4	1.9	1.2	1.4	0.81	1.0
11	1.1	1.1	11	2.1	2.9	2.3	2.2	1.9	1.1	1.2	0.76	1.0
12	1.2	1.1	3.7	6.7	2.3	2.4	2.2	1.7	1.1	1.2	1.1	1.1
13	1.6	0.98	2.7	5.9	2.0	2.2	2.1	1.8	3.9	7.2	1.6	1.1
14	1.3	0.97	2.1	15	2.4	2.0	2.1	3.1	4.1	2.3	0.81	1.1
15	4.7	0.94	2.0	3.3	8.6	2.0	1.9	2.3	1.5	1.4	0.77	1.1
16	2.9	0.90	1.8	2.5	5.2	2.0	1.9	1.8	4.7	1.1	0.82	1.2
17	2.2	0.76	1.7	2.3	3.4	2.1	1.9	1.8	2.3	1.4	0.80	1.4
18	1.4	1.0	1.6	2.0	2.6	2.1	1.9	1.7	1.7	1.4	0.95	1.3
19	2.1	1.1	1.7	2.1	2.2	2.1	1.9	1.7	1.2	1.2	1.1	1.0
20	1.6	1.1	1.6	2.3	2.0	2.1	2.6	1.8	1.2	1.0	1.5	1.2
21	6.6	1.2	1.5	2.3	2.1	2.4	2.2	1.7	1.2	1.0	1.4	0.98
22	2.0	1.1	1.7	5.0	2.1	2.8	5.0	1.7	1.5	1.4	0.75	1.00
23	1.3	1.1	3.2	4.4	2.1	2.4	17	1.7	1.3	1.1	0.73	1.4
24	1.2	1.6	2.1	2.6	1.8	3.1	15	2.1	1.4	0.92	0.73	0.99
25	1.2	1.9	1.6	2.2	1.8	2.6	3.5	1.7	1.4	0.77	0.72	1.3
26	1.2	1.3	1.5	2.2	1.8	2.3	2.7	1.7	1.4	0.79	0.79	6.0
27	1.2	1.2	1.7	2.3	1.8	2.5	2.6	1.7	1.4	1.6	0.91	2.0
28	1.1	8.6	1.5	3.6	1.8	11	2.4	1.8	1.5	0.78	3.5	0.93
29	1.1	1.9	1.7	2.1	---	4.4	2.2	1.7	2.3	0.62	1.1	2.7
30	1.6	1.4	1.6	1.9	---	3.3	6.4	1.8	1.3	0.65	8.8	1.1
31	1.7	---	3.8	1.9	---	2.9	---	1.7	---	0.67	35	---
Total	54.9	49.80	96.1	101.1	77.9	96.1	170.9	60.6	51.2	44.40	74.52	40.42
Mean	1.77	1.66	3.10	3.26	2.78	3.10	5.70	1.95	1.71	1.43	2.40	1.35
Max	6.6	8.6	15	15	8.6	11	33	3.1	4.7	7.2	35	6.0
Min	1.1	0.76	1.5	1.8	1.8	1.7	1.9	1.7	1.1	0.62	0.66	0.84

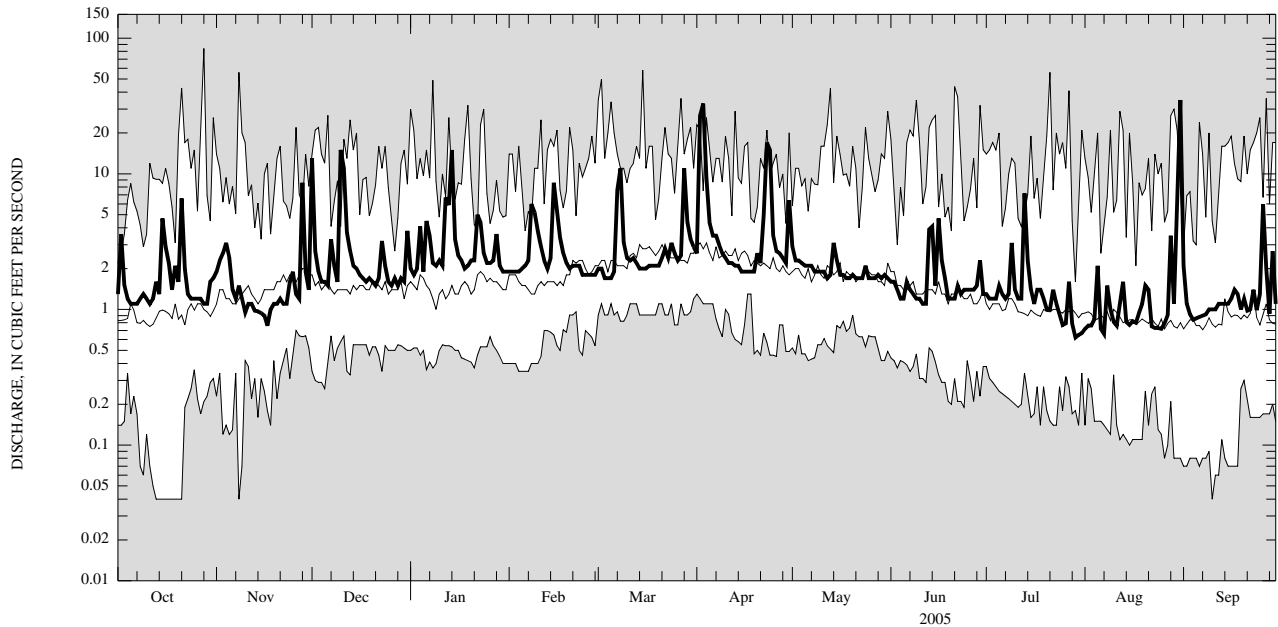
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1.61	2.00	2.18	2.14	2.45	3.63	3.25	2.60	2.23	1.80	1.50	1.64
Max	4.73	4.46	4.66	5.56	4.38	6.93	7.51	5.56	6.12	5.04	5.16	3.03
(WY)	(1982)	(1997)	(1991)	(1998)	(1990)	(1972)	(1993)	(2000)	(1972)	(1988)	(1990)	(1989)
Min	0.19	0.71	1.04	0.67	1.12	1.38	1.34	1.08	0.86	0.48	0.32	0.31
(WY)	(1972)	(1979)	(1971)	(1981)	(1993)	(1981)	(1981)	(1971)	(1981)	(1980)	(1971)	(1971)

04245236 MEADOW BROOK AT HURLBURT ROAD, SYRACUSE, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1971 - 2005	
Annual total	952.60		917.94			
Annual mean	2.60		2.51		2.27	
Highest annual mean					3.27	1990
Lowest annual mean					1.27	1981
Highest daily mean	41	Jul 27	35	Aug 31	84	Oct 28, 1981
Lowest daily mean	0.68	Aug 26	0.62	Jul 29	0.04	Oct 13, 1971
Annual seven-day minimum	0.89	Aug 22	0.71	Jul 28	0.04	Oct 13, 1971
10 percent exceeds	4.2		3.8		4.0	
50 percent exceeds	1.7		1.8		1.5	
90 percent exceeds	0.97		0.95		0.61	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04245840 SCRIBA CREEK NEAR CONSTANTIA, NY

Oneida Watershed

LOCATION.--Lat 43°15'35", long 76°00'11" referenced to North American Datum of 1927, Oswego County, Hydrologic Unit 04140202, on right bank 8 ft upstream from Cemetery Road, 0.8 mi north of Constantia, and 1.1 mi upstream from mouth.

DRAINAGE AREA.--38.4 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—Continuous record—March 1966 to September 1968, annual maximum only—1969, 1971 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 410 ft above NGVD of 1929, from topographic map.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,310 ft³/s, Sep. 26, 1975, gage height, 7.33 ft, maximum gage height, 7.42 ft., Jun. 22, 1972, discharge, 1,200 ft³/s.

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 3, 2005	872	---	5.76	---

04246000 ONEIDA LAKE AT BREWERTON, NY

Oneida Watershed

LOCATION.--Lat 43°14'25", long 76°08'30" referenced to North American Datum of 1927, Onondaga County, Hydrologic Unit 04140202, at west end of Oneida Lake, 100 ft west of bridge on U.S. Highway 11, at Brewerton.

DRAINAGE AREA.--1382 mi², at dam at Caughdenoy.

WATER-STAGE RECORDS

PERIOD OF RECORD.--November 1951 to current year. April 1904 to September 1925 in reports of State Engineer and Surveyor, published as "Oneida River at Brewerton."

REVISED RECORDS.--WSP 2112: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (1.01 ft Barge Canal datum). November 1951 to September 1975, at datum 360.99 ft higher.

REMARKS.--Lake elevation regulated by taintor-gate dam on Oneida River at Caughdenoy and gates on Oneida Canal and Erie (Barge) Canal. Lake volume at elevation 369 ft NGVD of 1929, 1.135 million acre-ft. Area of water surface, 79.8 mi²; axes, 20.9 mi by 5.5 mi; shoreline length, 54.7 mi.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 373.14 ft, Apr. 24, 1993; minimum daily elevation, 366.12 ft, Feb. 11, 1984.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 29, 1936, reached a water surface elevation of 373.5 ft, from Corps of Engineers report "Flood Plain Information, Oneida Creek, New York."

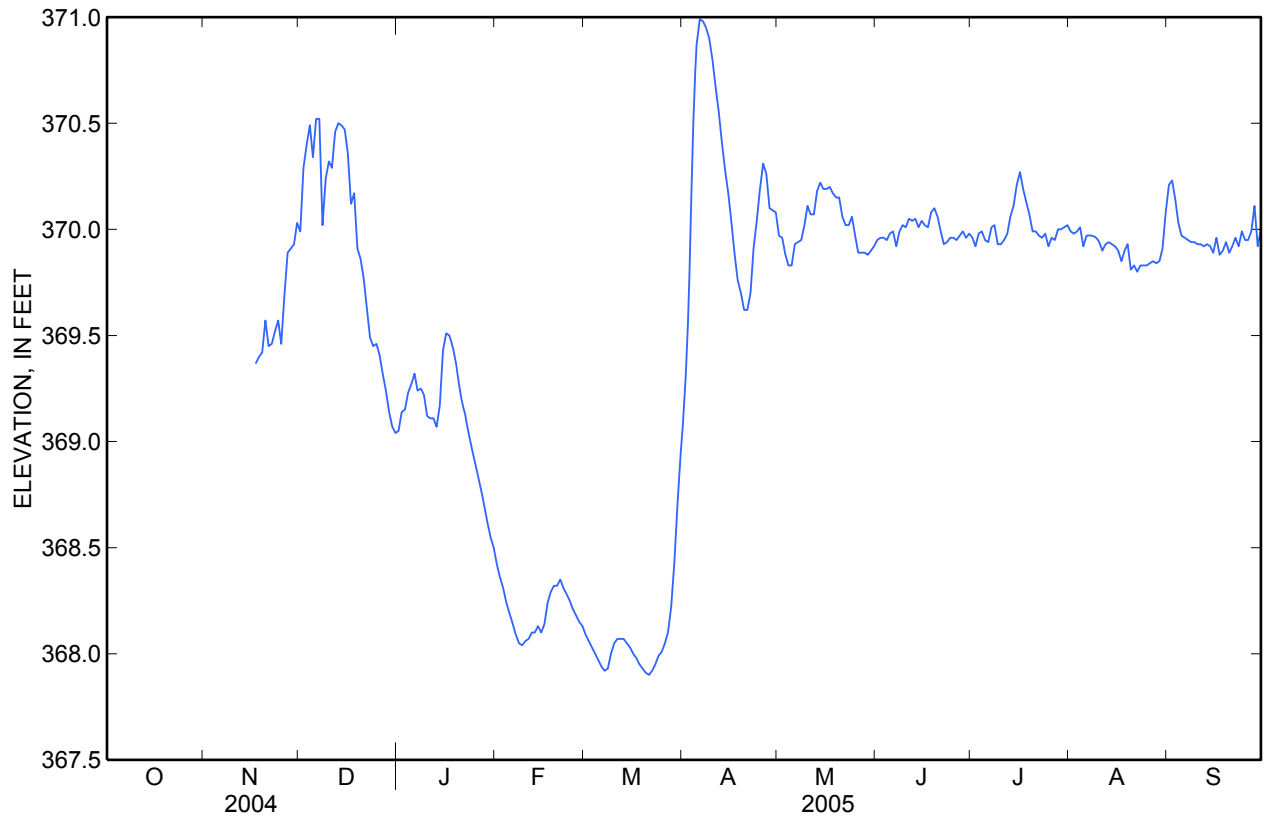
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 371.03 ft, Apr 7; minimum elevation, 367.84 ft, Mar 7.

04246000 ONEIDA LAKE AT BREWERTON, NY—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	369.99	369.05	368.42	368.09	369.15	369.97	369.95	369.96	369.99	370.21
2	---	---	370.29	369.14	368.36	368.06	369.45	369.96	369.96	369.92	369.98	370.23
3	---	---	370.40	369.15	368.31	368.03	369.94	369.88	369.96	369.98	369.99	370.14
4	---	---	370.49	369.23	368.24	368.00	370.50	369.83	369.95	369.99	370.01	370.03
5	---	---	370.34	369.27	368.19	367.97	370.87	369.83	369.98	369.95	369.92	369.97
6	---	---	370.52	369.32	368.14	367.94	370.99	369.93	369.99	369.94	369.97	369.96
7	---	---	370.52	369.24	368.09	367.92	370.98	369.94	369.92	370.01	369.97	369.95
8	---	---	370.02	369.25	368.05	367.93	370.95	369.95	369.99	370.02	369.97	369.94
9	---	---	370.24	369.22	368.04	368.00	370.90	370.02	370.02	369.93	369.96	369.94
10	---	---	370.32	369.12	368.06	368.05	370.80	370.11	370.01	369.93	369.94	369.93
11	---	---	370.29	369.11	368.07	368.07	370.67	370.07	370.05	369.95	369.90	369.93
12	---	---	370.46	369.11	368.10	368.07	370.55	370.07	370.04	369.98	369.93	369.92
13	---	---	370.50	369.07	368.10	368.07	370.41	370.18	370.05	370.06	369.94	369.93
14	---	---	370.49	369.17	368.13	368.05	370.28	370.22	370.01	370.11	369.93	369.92
15	---	---	370.47	369.43	368.10	368.03	370.17	370.19	370.04	370.21	369.92	369.89
16	---	---	370.36	369.51	368.14	368.00	370.03	370.19	370.02	370.27	369.90	369.96
17	---	369.37	370.12	369.50	368.24	367.98	369.88	370.20	370.01	370.19	369.85	369.88
18	---	369.40	370.17	369.45	368.29	367.95	369.76	370.17	370.08	370.13	369.90	369.90
19	---	369.42	369.91	369.38	368.32	367.93	369.70	370.15	370.10	370.07	369.93	369.94
20	---	369.57	369.86	369.27	368.32	367.91	369.62	370.15	370.06	369.99	369.81	369.89
21	---	369.45	369.77	369.19	368.35	367.90	369.62	370.06	369.99	369.99	369.83	369.92
22	---	369.46	369.63	369.13	368.31	367.92	369.70	370.02	369.93	369.97	369.80	369.96
23	---	369.52	369.49	369.04	368.28	367.95	369.91	370.02	369.94	369.96	369.83	369.92
24	---	369.57	369.45	368.98	368.25	367.99	370.04	370.06	369.96	369.98	369.83	369.99
25	---	369.46	369.46	368.91	368.21	368.01	370.19	369.97	369.96	369.92	369.83	369.95
26	---	369.69	369.41	368.84	368.18	368.05	370.31	369.89	369.95	369.96	369.84	369.95
27	---	369.89	369.32	368.77	368.15	368.10	370.26	369.89	369.97	369.95	369.85	369.99
28	---	369.91	369.24	368.70	368.13	368.22	370.10	369.89	369.99	370.00	369.84	370.11
29	---	369.93	369.14	368.62	---	368.43	370.09	369.88	369.96	370.00	369.85	369.92
30	---	370.03	369.07	368.55	---	368.71	370.08	369.90	369.98	370.01	369.91	370.00
31	---	---	369.04	368.50	---	368.95	---	369.92	---	370.02	370.08	---
Mean	---	---	369.96	369.10	368.20	368.07	370.20	370.02	369.99	370.01	369.91	369.97
Max	---	---	370.52	369.51	368.42	368.95	370.99	370.22	370.10	370.27	370.08	370.23
Min	---	---	369.04	368.50	368.04	367.90	369.15	369.83	369.92	369.92	369.80	369.88

04246000 ONEIDA LAKE AT BREWERTON, NY—Continued



04247000 ONEIDA RIVER NEAR EUCLID, NY

Oneida Watershed

LOCATION.--Lat 43°12'18", long 76°13'05" referenced to North American Datum of 1927, Oswego County, Hydrologic Unit 04140202, on right bank, 50 ft downstream of Morgan Road bridge, 9.2 mi downstream from Oneida Lake, 1.3 mi north of Euclid, and 7.7 mi upstream from mouth at Three Rivers.

DRAINAGE AREA.--1439 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1996 to current year. Records for September 1902 to December 1909, published as "Oneida River near Euclid", and January 1910 to December 1912 and October 1947 to September 1998, published as "Oneida River at Caughdenoy" (station 04246500) at site 7.6 mi upstream, are not equivalent because of regulation between sites.

GAGE.--Acoustic velocity meter and water-stage recorder. Datum of gage is 358.08 ft above NGVD of 1929.

COOPERATION.--Records of gate openings, lockages, and elevations of water surface in Erie (Barge) Canal above and below Lock 23, furnished by New York State Thruway Authority, Office of Canals.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Considerable seasonal regulation by operation of gates in Oneida River and Erie (Barge) Canal with a large amount of natural storage in Oneida Lake. Water may be diverted into or received from Mohawk River basin through summit level of Erie (Barge) Canal between New London and Utica. Nearly all of flow from 14 mi² of Tioughnioga River basin may be diverted into De Ruyter Reservoir, in Oswego River basin. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 9,380 ft³/s, Apr. 15, 16, 2001; minimum daily discharge, 75 ft³/s, Nov. 18, 2004. Maximum and minimum instantaneous discharges not determined.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 8,370 ft³/s, Apr 6; minimum daily discharge 75 ft³/s, Nov. 18. Maximum and minimum instantaneous discharges not determined.

04247000 ONEIDA RIVER NEAR EUCLID, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	450	350	6,190	4,540	3,940	3,170	5,140	6,020	484	520	429	e4,760
2	458	823	6,990	4,690	3,830	3,160	5,880	5,950	425	504	354	e5,440
3	494	1,070	7,300	4,720	3,730	3,120	7,340	5,780	428	461	367	e5,000
4	477	1,160	7,430	4,980	3,500	3,130	7,760	5,370	375	518	330	e5,000
5	459	1,540	7,050	4,980	3,400	3,030	8,270	2,810	508	498	374	e3,600
6	439	2,700	7,240	4,930	3,250	3,010	8,370	294	449	463	440	e1,000
7	446	3,450	7,350	4,870	3,050	2,910	8,160	346	420	510	396	e400
8	500	3,380	6,500	4,850	3,030	3,010	8,000	375	433	566	332	e429
9	462	4,000	6,770	4,880	3,080	3,200	7,930	289	558	550	362	370
10	432	4,620	7,020	4,670	3,170	3,310	7,710	445	432	524	314	379
11	413	4,430	7,280	4,640	3,250	3,250	7,430	310	618	338	317	445
12	385	4,290	7,390	4,670	3,280	3,170	7,330	268	509	e400	430	350
13	396	4,150	7,480	4,800	3,260	3,150	7,030	448	527	533	494	373
14	459	4,070	7,250	5,240	3,240	3,120	6,770	449	1,000	570	393	404
15	454	2,880	7,120	5,450	3,240	3,040	6,580	565	1,210	1,020	309	381
16	430	788	6,910	5,560	3,450	3,020	6,360	991	1,520	e2,300	233	521
17	794	141	6,350	5,480	3,560	2,980	5,980	1,730	2,170	e3,400	356	416
18	1,580	75	6,480	5,650	3,790	2,940	5,540	2,050	2,060	e4,300	481	469
19	2,150	663	5,960	5,560	3,860	2,910	4,330	2,070	2,450	4,350	501	391
20	2,960	1,400	6,200	5,370	3,690	2,920	2,960	1,970	2,660	3,610	478	421
21	4,370	1,400	e6,000	5,190	3,640	2,880	2,120	1,980	2,650	1,250	407	403
22	4,840	1,430	5,730	5,120	3,580	2,900	2,090	2,010	1,910	447	406	453
23	4,720	1,410	5,270	5,010	3,500	3,100	2,530	2,010	892	464	429	384
24	4,670	1,750	5,290	4,800	3,470	3,100	5,220	1,980	436	483	385	456
25	2,830	2,520	5,270	4,680	3,410	3,210	6,540	1,980	465	401	329	451
26	1,750	2,530	5,110	4,640	3,330	3,250	6,680	1,860	471	432	379	928
27	1,860	2,500	5,050	4,530	3,280	3,380	6,460	1,690	e490	459	438	e1,130
28	1,950	3,750	5,150	4,470	3,220	3,880	6,080	953	427	410	463	e1,500
29	895	5,390	4,660	4,220	---	4,320	6,140	478	504	424	508	e2,300
30	184	5,900	4,480	4,160	---	4,700	6,160	443	381	460	445	e2,300
31	345	---	4,490	4,060	---	4,900	---	490	---	483	2,760	---
Total	43,052	74,560	194,760	151,410	96,030	101,170	184,890	54,404	27,862	31,648	14,639	40,854
Mean	1,389	2,485	6,283	4,884	3,430	3,264	6,163	1,755	929	1,021	472	1,362
Max	4,840	5,900	7,480	5,650	3,940	4,900	8,370	6,020	2,660	4,350	2,760	5,440
Min	184	75	4,480	4,060	3,030	2,880	2,090	268	375	338	233	350

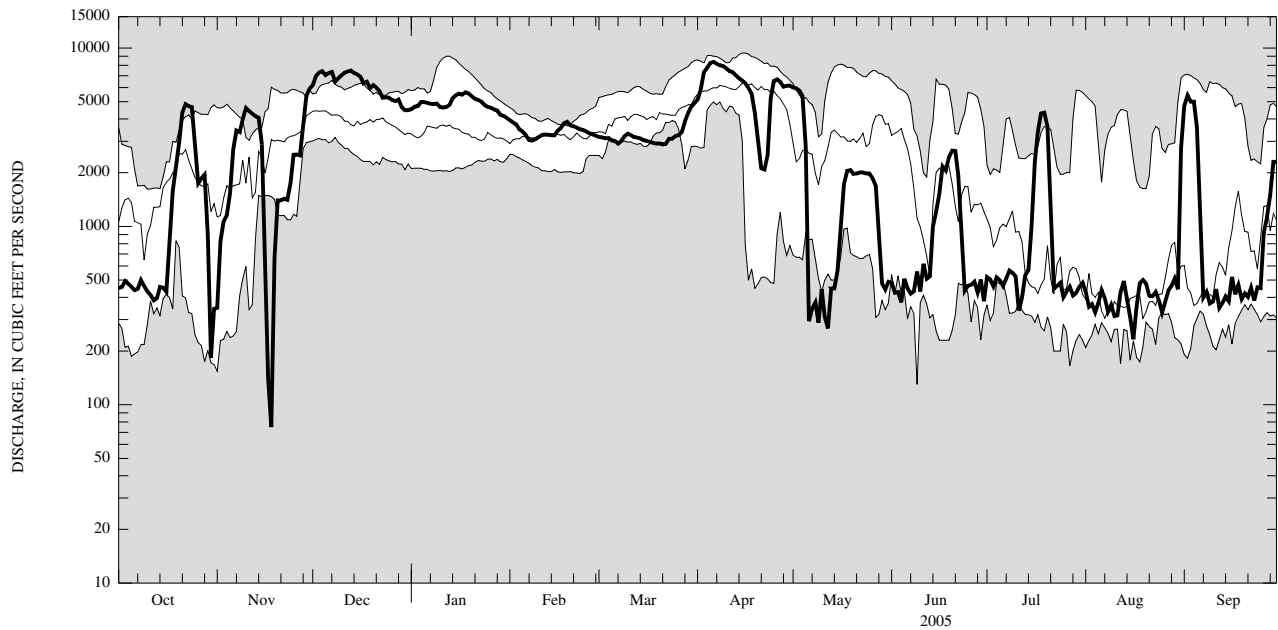
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,580	2,585	4,372	3,839	3,231	4,259	5,505	3,139	1,939	1,071	897	1,368
Max	2,906	4,316	6,283	6,199	3,934	5,562	7,638	5,336	3,122	2,277	2,306	4,271
(WY)	(2004)	(2004)	(2005)	(1998)	(1998)	(1998)	(2001)	(2002)	(2002)	(2004)	(2004)	(2004)
Min	688	1,832	2,578	2,519	2,443	3,264	3,135	1,146	469	549	261	516
(WY)	(1999)	(1999)	(1999)	(2002)	(2000)	(2005)	(1998)	(1999)	(1999)	(2002)	(1999)	(1998)

04247000 ONEIDA RIVER NEAR EUCLID, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1997 - 2005	
Annual total	1,318,270		1,015,279			
Annual mean	3,602		2,782		2,812	
Highest annual mean					3,812	2004
Lowest annual mean					1,839	1999
Highest daily mean	7,480	Dec 13	8,370	Apr 6	9,380	Apr 15, 2001
Lowest daily mean	75	Nov 18	75	Nov 18	75	Nov 18, 2004
Annual seven-day minimum	424	Oct 10	332	May 6	187	Oct 26, 1998
10 percent exceeds	6,500		6,170		5,700	
50 percent exceeds	3,640		2,660		2,740	
90 percent exceeds	478		392		374	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04249000 OSWEGO RIVER AT LOCK 7, OSWEGO, NY

Oswego Watershed

LOCATION.--Lat 43°27'06", long 76°30'20" referenced to North American Datum of 1927, Oswego County, Hydrologic Unit 04140203, on right bank at New York State Barge Canal (Oswego Canal) Lock 7 in Oswego, 0.8 mi upstream from mouth.

DRAINAGE AREA.--5100 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1900 to April 1906, October 1933 to current year. Monthly discharge only for some periods, published in WSP 1307. Prior to January 1904, published as "above Minetto" or "near Minetto." January 1904 to April 1906, published as "at Battle Island." Records for April 1897 to September 1900, published in WSP 65 and for October 1927 to September 1928, published in WSP 644, have been found to be unreliable and should not be used.

REVISED RECORDS.--WDR NY 78-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 245.12 ft above NGVD of 1929. Prior to 1933, nonrecording gage at site about 6 mi upstream at different datum.

COOPERATION.--Records of lockages at Lock 7 furnished by New York State Thruway Authority, record of elevations of Lake Ontario by U.S. Army Corps of Engineers, daily discharge records for Oswego River High Dam upstream by Niagara Mohawk Power Corp.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Prior to 1933 and subsequent to 1972, flow in Oswego (Barge) Canal not included. A large amount of natural storage and some artificial regulation is afforded by the many large lakes and the Erie (Barge) and Oswego (Barge) Canal systems in the river basin. Large diurnal fluctuations at low and medium flow caused by powerplants upstream from station. Oswego River basin receives water from Erie (Barge) Canal through Lock 32 near Pittsford. Water may be diverted into or received from Mohawk River basin through Erie (Barge) Canal between New London and Utica. During part of year, entire flow from 45.5 mi² of Mud Creek drainage area may be diverted from Chemung River basin into Keuka Lake in Oswego River basin. Nearly all of the flow from 14 mi² of the Tioughnioga River basin may be diverted into De Ruyter Reservoir, in Oswego River basin. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,500 ft³/s, Mar. 28, 1936, includes daily mean discharge of canals; maximum gage height, 13.46 ft, Apr. 10, 1940; minimum discharge (river only), 30 ft³/s, Nov. 6, 1944.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 26,600 ft³/s, Apr 5, gage height, 10.80 ft; minimum discharge, 315 ft³/s, Aug 10, gage height, 1.66 ft.

04249000 OSWEGO RIVER AT LOCK 7, OSWEGO, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	6,510	2,840	13,300	11,600	10,100	11,700	16,600	15,900	e2,100	e1,340	1,410	8,810
2	5,960	1,810	14,200	12,600	10,000	11,800	17,900	15,900	e1,480	e1,240	1,400	8,700
3	4,610	2,970	15,700	11,900	9,490	11,600	23,600	15,600	e1,500	e1,020	1,410	6,800
4	5,970	3,970	15,500	12,900	9,000	11,400	25,900	14,500	e1,540	e1,520	1,540	6,090
5	5,550	6,070	14,300	12,800	9,670	11,200	26,200	12,700	e2,800	e1,220	e1,200	5,720
6	4,710	7,920	13,600	13,000	9,820	11,200	26,100	8,550	e2,400	e1,840	e810	2,440
7	4,800	8,650	14,100	12,900	9,710	10,500	25,900	7,810	e1,660	e1,620	e740	1,200
8	4,790	8,400	13,900	13,000	9,830	10,800	25,300	8,110	e1,980	e1,700	e780	1,110
9	3,250	8,980	13,300	13,000	10,700	11,900	24,700	7,840	e2,140	3,270	1,640	1,060
10	3,330	10,800	14,600	12,700	11,100	12,200	23,800	6,680	e1,520	3,090	1,590	1,060
11	3,610	10,100	17,100	12,100	11,800	11,900	22,100	5,650	e1,920	2,110	999	1,130
12	3,550	9,840	17,300	12,100	12,000	11,600	21,000	e3,060	e1,840	2,270	1,650	966
13	3,080	9,690	17,500	13,000	12,200	11,500	19,500	e2,140	e1,900	2,880	1,400	1,210
14	2,300	9,750	17,100	16,500	12,000	11,000	17,900	e3,520	e2,820	2,950	1,220	1,120
15	1,990	9,440	16,400	17,200	12,400	10,300	17,300	e3,900	3,740	4,170	785	1,390
16	1,800	6,860	15,800	16,900	14,100	9,610	16,500	e3,040	4,290	5,140	872	1,460
17	1,850	5,680	14,500	16,400	14,900	9,100	15,100	4,770	6,550	5,450	997	1,390
18	2,220	5,870	14,200	14,900	14,700	8,020	14,400	4,990	6,400	6,240	1,720	1,220
19	4,170	5,720	13,700	13,800	14,700	7,620	13,700	4,510	6,900	7,280	1,250	1,340
20	3,680	7,530	12,800	13,300	14,000	7,010	11,400	e3,540	7,930	6,020	685	1,260
21	6,070	7,340	11,600	12,200	13,100	6,050	11,200	e3,260	7,280	2,460	795	1,310
22	7,060	6,800	12,300	11,500	12,400	6,550	11,500	e3,980	6,790	e1,180	1,680	1,330
23	6,600	7,180	12,800	10,000	12,000	8,070	12,900	e3,700	4,680	e1,240	1,220	1,290
24	6,910	7,160	12,500	10,600	11,700	10,100	16,700	e3,060	3,120	e1,480	1,280	1,080
25	5,890	8,690	12,300	10,800	11,900	9,380	19,000	e3,820	3,420	e1,160	974	1,150
26	3,390	8,610	12,200	11,400	11,900	9,600	19,100	3,910	2,990	e1,160	1,060	2,310
27	3,330	7,550	11,600	10,800	11,900	9,820	18,500	e3,380	e2,680	e1,180	1,260	2,470
28	3,080	7,850	11,900	11,300	11,800	11,800	17,200	e3,260	e2,200	2,100	905	2,690
29	3,030	10,400	11,200	11,000	---	14,500	16,300	e2,460	e2,280	e1,070	831	3,440
30	1,440	11,900	10,800	10,700	---	16,000	16,000	e1,980	e1,300	1,560	1,050	4,390
31	840	---	11,200	10,300	---	16,400	---	e2,320	---	1,720	6,180	---
Total	125,370	226,370	429,300	393,200	328,920	330,230	563,300	187,840	100,150	78,680	41,333	76,936
Mean	4,044	7,546	13,850	12,680	11,750	10,650	18,780	6,059	3,338	2,538	1,333	2,565
Max	7,060	11,900	17,500	17,200	14,900	16,400	26,200	15,900	7,930	7,280	6,180	8,810
Min	840	1,810	10,800	10,000	9,000	6,050	11,200	1,980	1,300	1,020	685	966

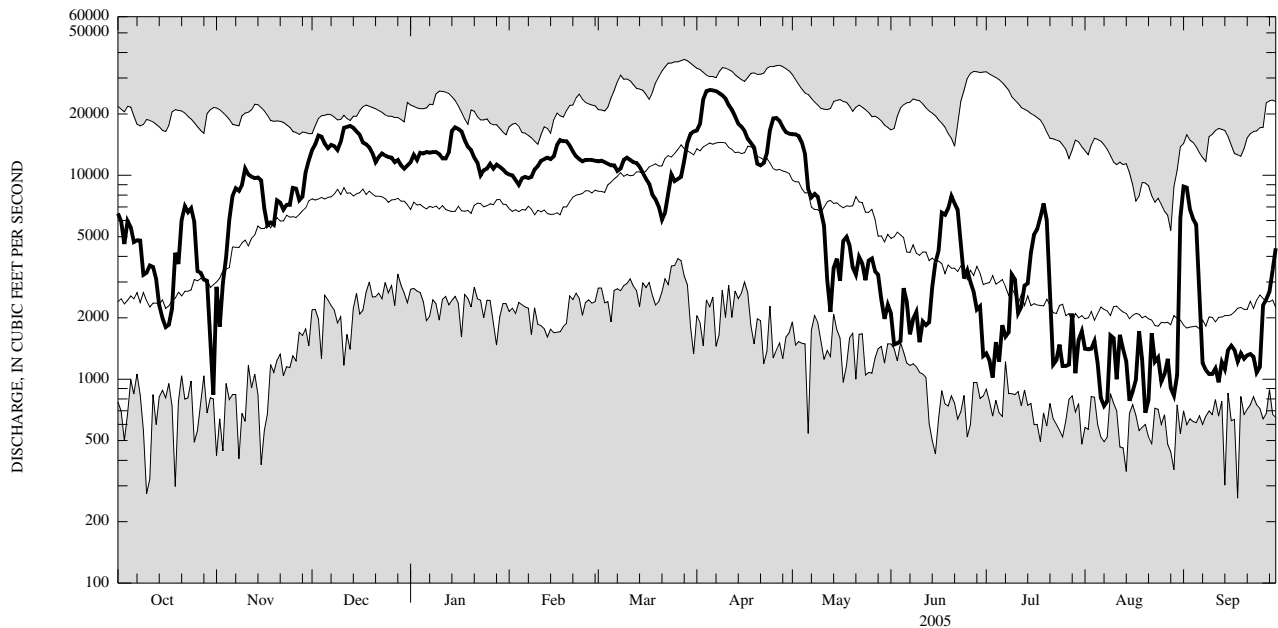
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	3,823	6,162	8,567	7,978	7,864	11,600	13,220	8,273	5,106	3,390	2,524	2,778
Max	17,950	16,070	17,920	16,970	15,130	21,720	30,250	20,350	17,000	19,660	8,951	12,360
(WY)	(1978)	(1978)	(1978)	(1998)	(1976)	(1979)	(1993)	(1943)	(1947)	(1972)	(1992)	(2004)
Min	1,173	1,167	2,917	2,610	2,547	3,914	2,757	1,993	1,383	1,113	836	760
(WY)	(1940)	(1965)	(1940)	(1963)	(1963)	(1983)	(1995)	(1995)	(1995)	(1995)	(1934)	(1995)

04249000 OSWEGO RIVER AT LOCK 7, OSWEGO, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1934 - 2005	
Annual total	3,545,560		2,881,629			
Annual mean	9,687		7,895		6,805	
Highest annual mean					11,030	1976
Lowest annual mean					3,433	1965
Highest daily mean	19,300	May 26	26,200	Apr 5	37,000	Mar 28, 1936
Lowest daily mean	840	Oct 31	685	Aug 20	261	Sep 18, 1985
Annual seven-day minimum	1,770	Jul 1	1,010	Aug 15	697	Sep 4, 1995
10 percent exceeds	16,600		15,800		14,400	
50 percent exceeds	9,980		7,060		5,240	
90 percent exceeds	3,120		1,230		1,600	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04249050 CATFISH CREEK AT NEW HAVEN, NY

Salmon - Sandy Watershed

LOCATION.--Lat 43°29'00", long 76°19'34" referenced to North American Datum of 1927, Oswego County, Hydrologic Unit 04140102, at bridge on State Highway 104B, at New Haven, and 1.4 mi upstream from mouth.

DRAINAGE AREA.--31.7 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Annual maximum only--1962-66, 1968 to current year.

GAGE.--Crest-stage partial-record station. Elevation of gage is 350 ft above NGVD of 1929, from topographic map.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,350 ft³/s, Mar. 18, 1973, gage height, 7.85 ft.

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 3, 2005	517	---	5.42	---

431510077363501 GENESEE RIVER AT CHARLOTTE PUMP STATION, NEAR ROCHESTER, NY

Lower Genesee Watershed

LOCATION.--Lat 43°15'10", long 77°36'35" referenced to North American Datum of 1927, Monroe County, Hydrologic Unit 04130003, at Charlotte, in Rochester, on west bank of the Genesee River, 1300 ft downstream of Stutson Street Bridge, 0.5 mi upstream of mouth, and 5.0 mi downstream from gaging station (04232000) at Rochester.

DRAINAGE AREA.—2,467 mi² at station 04232000.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth undefined. Upper casing diameter undefined; top of first opening undefined, bottom of last opening undefined. Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, NY.

PERIOD OF RECORD.--Water years 1990 to current year.

CHEMICAL DATA: Water years 1990 to current year (e).

NUTRIENT DATA: Water years 1990 to current year (e).

COOPERATION.—Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, NY.

REMARKS.--Prior to 1994 water year, data published in "Water Resources of Monroe County New York, Water Years 1989-93", U.S. Geological Survey Open-File Report 97-587.

431510077363501 GENESEE RIVER AT CHARLOTTE PUMP STATION, NEAR ROCHESTER, NY—Continued

Date	Begin time	End time	Dis-charge, cfs (00060)	Chlor-ide, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)
Oct											
05-12	0915	1014	1,240	55.5	96.7	39	.53	.085	1.21	.030	.097
Oct											
12-19	1055	1355	1,340	49.7	93.2	28	.70	.089	1.18	.026	.093
Oct											
19-26	1405	1005	1,780	53.4	84.9	26	.57	.081	1.18	.029	.064
Nov											
03-09	1100	1000	3,190	42.5	59.9	44	.54	.045	.890	.026	.116
Nov											
15-18	0935	1035	1,540	74.0	52.2	16	.58	.171	1.04	.068	.072
Nov 29-											
Dec 01	1110	1010	3,880	50.1	58.5	62	.56	.033	.884	.017	.148
Dec											
01-08	1110	1010	4,710	31.7	38.7	218	2.3	.095	.801	.080	.408
Dec											
08-14	1115	1015	4,230	49.7	49.2	51	2.0	.184	1.15	.063	.254
Dec											
14-21	1345	0645	4,820	30.5	36.8	78	.80	.059	1.06	.021	.191
Dec											
21-28	0845	0745	3,790	37.9	43.3	80	.73	.063	1.27	.012	.250
Dec 28											
2004-											
Jan 04											
2005	0930	0830	5,050	34.8	37.8	200	.79	.039	1.17	.025	.417
Jan											
04-11	1120	1219	5,970	68.1	47.9	82	.60	.036	1.33	.015	.197
Jan											
11-18	1325	1225	7,600	55.8	40.7	199	.95	.045	1.38	.025	.349
Jan											
18-26	1210	1110	6,600	31.0	31.5	217	.84	--p	--p	.013	.199
Jan 26-											
Feb 01	1110	1010	4,230	34.2	41.4	87	.41	.063	1.66	.011	.019
Feb											
01-08	1010	0910	1,980	53.9	76.7	28	.44	.128	1.96	.017	.039
Feb											
08-15	1010	0910	4,420	74.2	--	129	.71	.066	1.46	.015	.252
Feb											
15-22	1010	0910	6,210	61.9	--	109	.64	.075	1.93	.022	.287
Feb 22-											
Mar 01	1015	0915	3,060	66.9	--	21	.41	.053	1.76	.011	.048

431510077363501 GENESEE RIVER AT CHARLOTTE PUMP STATION, NEAR ROCHESTER, NY—Continued

Date	Begin time	End time)	Dis-charge, cfs (00060)	Chlor-ide, water, fltrd, mg/L (00940)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)
Mar 01-08	0955	0855	2,300	89.4	11	.53	.069	1.82	.012	.051
Mar 08-15	1030	0930	4,800	63.4	55	.52	.064	1.67	.014	.141
Mar 15-19	0955	0854	2,660	55.6	16	.43	.046	1.50	.011	.052
Mar 30- Apr 06	1430	0929	1,040	41.2	203	.89	.034	1.19	.014	.405
Apr 06-13	1020	0920	8,460	39.1	172	.92	.033	1.15	.011	.033
Apr 13-19	1040	0940	6,940	25.9	168	.66	.019	.977	.011	.391
Apr 19-27	1110	1010	8,330	35.8	105	.76	.062	1.11	.014	.255
Apr 27- May 05	1010	1109	6,120	--	52	.61	<.025	1.12	.010	.119
May 05-10	1145	1044	4,730	39.6	64	.43	.012	.972	.007	.122
May 10-17	1125	1025	2,290	59.7	24	.39	.028	1.13	.011	.062
May 17-24	1040	0940	1,700	59.9	26	.52	.056	1.16	.019	.081
May 24-29	1055	0954	1,550	60.2	--q	.74	.058	1.22	.012	.108
Jun 02-07	1050	0949	1,080	54.1	24	.51	.037	1.21	.014	.078
Jun 09-15	1045	0945	2,400	31.4	2	.38	.024	.566	.052	.028
Jun 15-21	1105	1005	2,320	--c	66	1.4	.098	1.53	.055	.205
Jun 21-29	1155	1055	1,030	59.1	38	.55	.069	1.45	.023	.082
Jun 29- Jul 05	1100	0845	1,390	53.2	25	.76	.087	1.15	.030	.093
Jul 18-25	1400	0859	861	52.9	20	3.0	1.60	.887	.401	.516
Jul 25- Aug 02	0955	0855	836	54.4	12	1.0	.030	.551	.007	.089
Aug 02-08	1155	1055	684	59.0	7	.56	.064	.466	.014	.059

431510077363501 GENESEE RIVER AT CHARLOTTE PUMP STATION, NEAR ROCHESTER, NY—Continued

Date	Begin time	End time	Dis-charge, cfs (00060)	Chloride, water, fltrd, mg/L (00940)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)
Aug 08-16	1035	0935	669	56.0	16	.80	.013	.528	.018	.067
Aug 16-23	1225	1125	716	50.3	28	1.1	<.100	.207	.003	.124
Aug 23-30	1215	1115	651	49.1	12	.68	.021	.610	.021	.099
Aug 30-Sep 06	1120	1020	2,340	48.5	10	.53	<.010	.281	.005	.066
Sep 06-13	1130	1030	814	52.4	7	.55	<.010	.984	.007	.059
Sep 13-20	1035	0935	1,030	54.7	35	.74	.022	.762	.026	.130
Sep 20-27	0930	0830	816	55.7	26	.77	.114	1.12	.036	.130
Sep 27-Oct 04	0850	1350	955	61.2	18	.89	.041	1.12	.040	.089

Water-Data Report NY-2005

421512077472801 Local number Ag-261, at Alfred NY

Sand and gravel aquifers (glaciated regions)
Ice-Contact Deposits
Allegany County, NY

LOCATION.--Lat 42°15'12", long 77°47'28" referenced to North American Datum of 1983, Allegany County, Hydrologic Unit 02050104, behind Crandall Hall, Alfred University, Alfred, N.Y.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 20 ft. Upper casing diameter 2 in; top of first opening 9.5 ft, bottom of last opening 19.5 ft. Cased to 20 ft (screen, 9.5 to 19.5 ft)

WELL USE.--Observation well.

DATUM.--Land-surface datum is 1780 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of pipe, 1.66 ft above land-surface datum.

PERIOD OF RECORD.--November 2002 to current year.

GAGE.--Water-stage recorder--hourly; monthly measurements by USGS personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.31 ft below land-surface datum, Apr. 2, 2005; lowest, 7.43 ft below land-surface datum, Aug. 29, 2005.

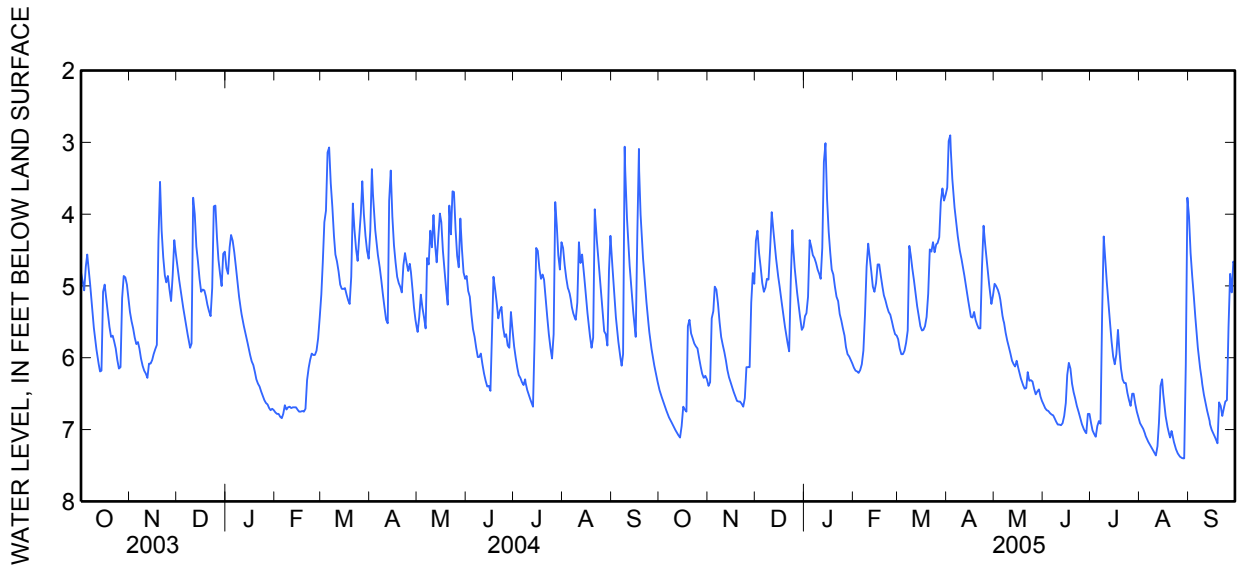
EXTREMES FOR CURRENT YEAR.--Highest water level, 2.31 ft below land-surface datum, Apr. 2; lowest, 7.43 ft below land-surface datum, Aug. 29.

421512077472801 Local number Ag-261, at Alfred NY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	6.45	6.39	4.37	5.42	6.14	5.74	3.63	4.97	6.65	6.91	6.91	4.03
2	6.53	6.34	4.23	5.38	6.18	5.87	2.98	5.00	6.70	7.01	6.95	4.54
3	6.58	5.45	4.54	5.15	6.19	5.95	2.90	5.04	6.73	7.06	6.99	4.86
4	6.64	5.35	4.74	4.36	6.21	5.95	3.41	5.14	6.74	7.10	7.05	5.14
5	6.72	5.01	4.96	4.45	6.17	5.90	3.70	5.27	6.77	6.95	7.11	5.44
6	6.77	5.05	5.08	4.57	6.09	5.79	4.01	5.39	6.79	6.88	7.16	5.73
7	6.83	5.24	5.02	4.61	5.90	5.62	4.18	5.51	6.80	6.92	7.20	5.95
8	6.88	5.50	4.90	4.68	5.40	4.44	4.33	5.65	6.84	5.40	7.24	6.12
9	6.91	5.71	4.91	4.77	4.73	4.57	4.51	5.76	6.89	4.31	7.28	6.29
10	6.96	5.82	4.48	4.83	4.41	4.76	4.64	5.85	6.93	4.64	7.32	6.46
11	7.01	5.92	3.97	4.90	4.61	4.92	4.75	5.94	6.93	4.94	7.36	6.58
12	7.04	6.04	4.22	4.47	4.79	5.10	4.85	6.04	6.94	5.22	7.23	6.69
13	7.08	6.17	4.45	3.27	5.01	5.28	4.99	6.09	6.91	5.50	6.91	6.79
14	7.11	6.27	4.67	3.01	5.08	5.42	5.16	6.12	6.81	5.77	6.39	6.88
15	6.95	6.34	4.86	3.79	4.96	5.56	5.32	6.04	6.63	5.98	6.30	6.98
16	6.68	6.41	5.00	4.24	4.70	5.62	5.43	6.14	6.24	6.09	6.58	7.04
17	6.72	6.48	5.20	4.54	4.70	5.61	5.44	6.24	6.07	5.95	6.77	7.08
18	6.75	6.54	5.33	4.77	4.86	5.56	5.36	6.31	6.15	5.61	6.92	7.14
19	5.56	6.60	5.48	4.84	5.01	5.43	5.47	6.38	6.36	5.90	7.03	7.19
20	5.47	6.61	5.68	5.01	5.13	5.11	5.54	6.43	6.48	6.15	7.11	6.62
21	5.66	6.61	5.79	5.15	5.20	4.49	5.59	6.42	6.57	6.30	7.02	6.67
22	5.73	6.64	5.91	5.21	5.29	4.52	5.59	6.20	6.67	6.35	7.13	6.81
23	5.80	6.68	4.93	5.39	5.36	4.39	4.75	6.32	6.75	6.35	7.21	6.70
24	5.84	6.56	4.22	5.48	5.40	4.53	4.16	6.31	6.83	6.49	7.28	6.61
25	5.87	6.13	4.59	5.59	5.49	4.42	4.42	6.33	6.90	6.59	7.34	6.59
26	6.00	6.13	4.84	5.69	5.59	4.40	4.65	6.43	6.97	6.67	7.37	5.57
27	6.12	6.13	5.09	5.85	5.67	4.32	4.86	6.51	7.02	6.50	7.39	4.83
28	6.22	5.23	5.26	5.95	5.69	3.82	5.07	6.47	7.05	6.50	7.40	5.09
29	6.28	4.82	5.44	5.98	---	3.64	5.25	6.44	6.78	6.64	7.40	4.66
30	6.25	4.97	5.61	6.03	---	3.81	5.13	6.54	6.78	6.75	6.09	4.72
31	6.30	---	5.57	6.08	---	3.73	---	6.60	---	6.83	3.77	---
Mean	6.44	5.97	4.95	4.95	5.36	4.98	4.67	6.00	6.72	6.20	6.94	6.06
Max	7.11	6.68	5.91	6.08	6.21	5.95	5.59	6.60	7.05	7.10	7.40	7.19
Min	5.47	4.82	3.97	3.01	4.41	3.64	2.90	4.97	6.07	4.31	3.77	4.03

421512077472801 Local number Ag-261, at Alfred NY—Continued



Water-Data Report NY-2005

421544078021301 Local number Ag-262, near Belmont NY

New York Clastic-rock Aquifers
Canadaway Group
Allegany County, NY

LOCATION.--Lat 42°15'44", long 78°02'13" referenced to North American Datum of 1983, Allegany County, Hydrologic Unit 04130002, in the Allegany County landfill on County Route 48 near Belmont, NY.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 29.5 ft. Upper casing diameter undefined; top of first opening 23.5 ft, bottom of last opening 29.1 ft. Cased to 29.5 ft (screen, 23.5 ft to 29.1 ft).

WELL USE.--Observation well.

DATUM.--Land-surface datum is 1456.13 ft above National Geodetic Vertical Datum of 1929. Measuring point: undefined.1.74 ft above land-surface datum.

PERIOD OF RECORD.--November 1995 to September 2002 and November 2002 to current year. Water levels for November 1995 to September 2002 are unpublished and available in the files of the U.S. Geological Survey.

GAGE.--Electronic data recorder--hourly; monthly measurements by USGS personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.24 ft above land-surface datum, Jan. 20, 1998; lowest measured, 2.44 ft below land-surface datum, Jan. 29, 1996.

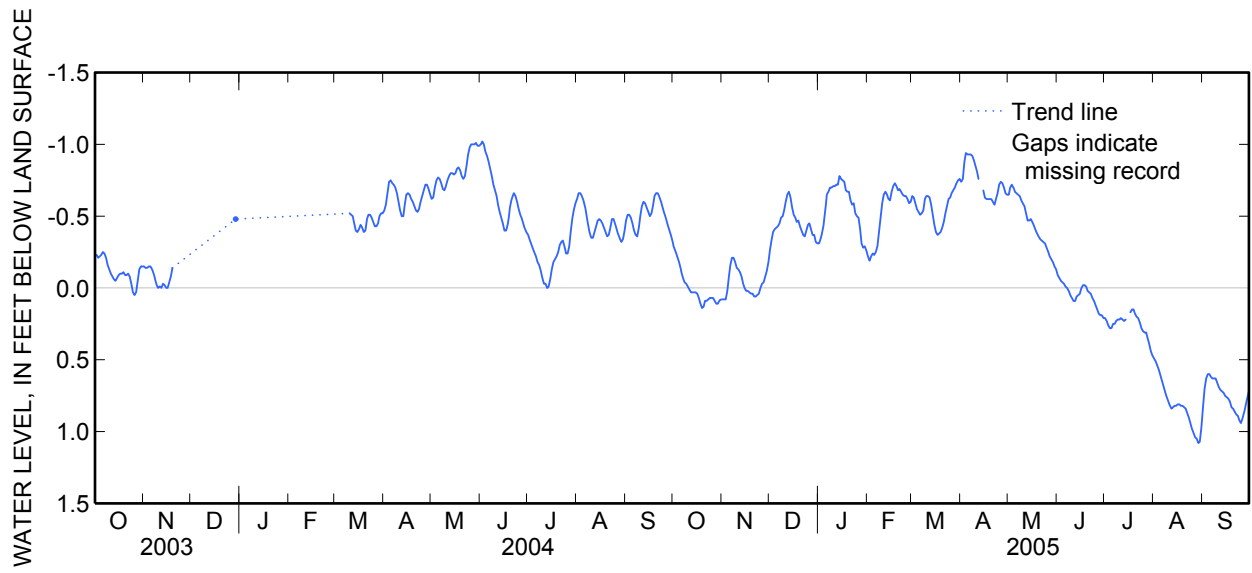
EXTREMES FOR CURRENT YEAR.--Highest water level, 0.94 ft above land surface datum, Apr 4, 5, 6, 7; lowest water level, 1.09 ft below land surface datum, Aug 29, 30.

421544078021301 Local number Ag-262, near Belmont NY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	-0.29	0.08	-0.26	-0.31	-0.22	-0.64	-0.74	-0.65	-0.09	0.21	0.49	0.83
2	-0.26	0.08	-0.33	-0.34	-0.19	-0.63	-0.76	-0.70	-0.07	0.23	0.51	0.70
3	-0.23	0.08	-0.39	-0.38	-0.22	-0.59	-0.88	-0.72	-0.05	0.26	0.54	0.63
4	-0.20	0.02	-0.41	-0.45	-0.24	-0.55	-0.94	-0.70	-0.04	0.28	0.57	0.60
5	-0.16	-0.08	-0.42	-0.53	-0.23	-0.53	-0.93	-0.67	-0.03	0.28	0.61	0.60
6	-0.11	-0.16	-0.43	-0.65	-0.25	-0.51	-0.93	-0.66	-0.01	0.25	0.65	0.62
7	-0.07	-0.21	-0.45	-0.67	-0.29	-0.52	-0.93	-0.65	0.00	0.25	0.68	0.63
8	-0.04	-0.21	-0.49	-0.70	-0.39	-0.54	-0.92	-0.64	0.02	0.23	0.72	0.63
9	-0.03	-0.18	-0.50	-0.70	-0.49	-0.62	-0.89	-0.61	0.05	0.22	0.76	0.63
10	-0.01	-0.14	-0.54	-0.71	-0.59	-0.64	-0.85	-0.59	0.07	0.22	0.79	0.66
11	0.01	-0.13	-0.60	-0.71	-0.65	-0.64	-0.81	-0.57	0.09	0.21	0.82	0.69
12	0.03	-0.11	-0.65	-0.72	-0.67	-0.63	-0.76	-0.52	0.09	0.22	0.84	0.71
13	0.03	-0.08	-0.67	-0.72	-0.65	-0.58	---	-0.47	0.06	0.23	0.83	0.72
14	0.03	-0.03	-0.63	-0.78	-0.62	-0.51	---	-0.47	0.05	0.22	0.82	0.73
15	0.03	0.00	-0.56	-0.76	-0.61	-0.44	-0.68	-0.48	0.04	---	0.82	0.75
16	0.04	0.02	-0.51	-0.75	-0.67	-0.39	-0.63	-0.46	0.00	---	0.81	0.76
17	0.07	0.02	-0.49	-0.74	-0.71	-0.37	-0.62	-0.43	-0.02	0.17	0.81	0.77
18	0.11	0.03	-0.46	-0.68	-0.73	-0.38	-0.62	-0.40	-0.02	0.15	0.82	0.79
19	0.14	0.04	-0.47	-0.67	-0.71	-0.39	-0.62	-0.38	-0.01	0.15	0.82	0.83
20	0.13	0.04	-0.43	-0.67	-0.68	-0.42	-0.62	-0.36	0.02	0.18	0.83	0.84
21	0.09	0.06	-0.40	-0.61	-0.69	-0.46	-0.60	-0.34	0.03	0.20	0.84	0.86
22	0.09	0.06	-0.37	-0.58	-0.67	-0.52	-0.58	-0.33	0.04	0.21	0.87	0.88
23	0.08	0.05	-0.36	-0.59	-0.65	-0.57	-0.62	-0.32	0.07	0.24	0.90	0.89
24	0.07	0.04	-0.40	-0.52	-0.64	-0.62	-0.66	-0.31	0.09	0.28	0.94	0.92
25	0.07	0.00	-0.44	-0.50	-0.64	-0.63	-0.72	-0.28	0.12	0.30	0.98	0.94
26	0.07	-0.03	-0.45	-0.49	-0.62	-0.66	-0.74	-0.25	0.15	0.31	1.01	0.90
27	0.09	-0.04	-0.41	-0.41	-0.59	-0.68	-0.73	-0.22	0.18	0.31	1.04	0.87
28	0.11	-0.08	-0.37	-0.31	-0.60	-0.70	-0.70	-0.20	0.19	0.35	1.05	0.82
29	0.11	-0.12	-0.37	-0.28	---	-0.73	-0.66	-0.18	0.19	0.39	1.08	0.76
30	0.09	-0.18	-0.32	-0.29	---	-0.75	-0.65	-0.15	0.21	0.44	1.07	0.72
31	0.08	---	-0.31	-0.26	---	-0.76	---	-0.13	---	0.47	0.97	---
Mean	0.01	-0.04	-0.45	-0.56	-0.53	-0.57	---	-0.45	0.05	---	0.82	0.76
Max	0.14	0.08	-0.26	-0.26	-0.19	-0.37	---	-0.13	0.21	---	1.08	0.94
Min	-0.29	-0.21	-0.67	-0.78	-0.73	-0.76	---	-0.72	-0.09	---	0.49	0.60

421544078021301 Local number Ag-262, near Belmont NY—Continued



Water-Data Report NY-2005

421138075511301 Local number Bm-128, Kattelville NY

Sand and gravel aquifers (glaciated regions)
Ice-Contact Deposits
Broome County, NY

LOCATION.--Lat 42°11'38", long 75°51'13" referenced to North American Datum of 1927, Broome County, Hydrologic Unit 02050102, at end of Jeffery Drive on Chenango Forks School District property at Kattelville.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 53 ft. Upper casing diameter 6 in; top of first opening 48.5 ft, bottom of last opening 52.9 ft. Cased to 53 ft (screen, 48.5 ft to 50.9 ft).

WELL USE.--Observation well.

DATUM.--Land-surface datum is 908.58 ft above National Geodetic Vertical Datum of 1929. Measuring point: Double file mark on top of coupling, 3.20 ft above land-surface datum.

PERIOD OF RECORD.--September 1980 to August 1995 and October 2002 to current year. Records for September 1980 to February 1982 are unpublished and are available in files of the U.S. Geological Survey.

GAGE.--Electronic data recorder--15 minute; periodic measurements by USGS personnel.

REMARKS.--Water level may be affected by pumping in nearby village and school wells. Satellite water-level telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.17 ft below land-surface datum, April 16, 1984; lowest measured, 33.05 ft below land-surface datum, Dec. 19, 2001.

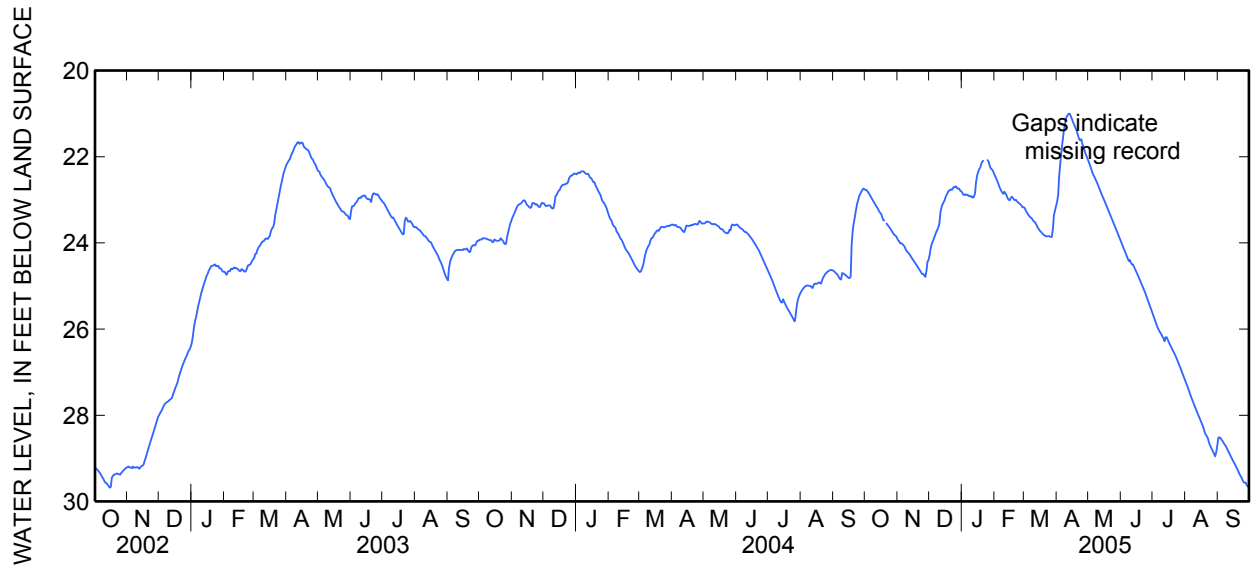
EXTREMES FOR CURRENT YEAR.--Highest water level, 20.99 ft below land surface datum, Apr 12, 13; lowest water level, 29.70 ft below land surface datum, Sep 30.

421138075511301 Local number Bm-128, Kattelville NY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	22.77	23.94	24.27	22.84	22.44	23.18	23.05	22.12	23.99	25.66	27.21	28.52
2	22.77	23.96	24.12	22.88	22.50	23.23	22.88	22.18	24.05	25.72	27.29	28.51
3	22.81	24.01	24.02	22.89	22.54	23.28	22.45	22.25	24.11	25.80	27.35	28.53
4	22.83	24.01	23.95	22.87	22.61	23.32	22.16	22.33	24.17	25.87	27.42	28.56
5	22.88	24.02	23.90	22.89	22.68	23.36	21.92	22.40	24.24	25.93	27.49	28.60
6	22.92	24.05	23.84	22.88	22.74	23.39	21.69	22.45	24.30	25.99	27.56	28.64
7	22.97	24.08	23.76	22.91	22.79	23.41	21.47	22.49	24.35	26.05	27.62	28.68
8	23.01	24.13	23.70	22.91	22.83	23.43	21.31	22.55	24.42	26.09	27.68	28.71
9	23.04	24.18	23.66	22.93	22.86	23.47	21.18	22.61	24.39	26.12	27.75	28.76
10	23.09	24.21	23.57	22.92	22.81	23.50	21.08	22.66	24.46	26.17	27.81	28.81
11	23.14	24.24	23.36	22.95	22.85	23.52	21.03	22.73	24.50	26.22	27.88	28.86
12	23.17	24.27	23.20	22.93	22.89	23.56	21.00	22.80	24.50	26.28	27.93	28.91
13	23.21	24.31	23.11	22.85	22.96	23.61	21.00	22.86	24.55	26.19	28.00	28.96
14	23.26	24.36	23.07	22.61	23.00	23.66	21.05	22.90	24.60	26.19	28.06	29.01
15	23.30	24.39	23.02	22.44	23.01	23.69	21.13	22.96	24.67	26.26	28.10	29.06
16	23.33	24.42	22.95	22.36	22.96	23.73	21.19	23.02	24.73	26.31	28.16	29.10
17	23.40	24.45	22.89	22.29	22.93	23.75	21.23	23.09	24.77	26.35	28.23	29.15
18	23.47	24.49	22.84	22.25	22.95	23.78	21.30	23.15	24.82	26.40	28.29	29.20
19	23.48	24.53	22.79	22.17	22.99	23.81	21.37	23.21	24.88	26.44	28.39	29.25
20	---	24.57	22.78	22.11	23.01	23.82	21.43	23.27	24.93	26.50	28.45	29.30
21	23.55	24.61	22.76	22.10	23.00	23.84	21.52	23.33	24.99	26.55	28.48	29.36
22	23.58	24.65	22.77	---	23.04	23.85	21.59	23.38	25.06	26.61	28.53	29.40
23	23.62	24.69	22.74	---	23.06	23.84	21.62	23.44	25.12	26.66	28.61	29.45
24	23.64	24.72	22.70	---	23.08	23.84	21.59	23.50	25.19	26.72	28.70	29.50
25	23.68	24.72	22.70	22.08	23.10	23.85	21.68	23.57	25.26	26.77	28.74	29.55
26	23.73	24.76	22.69	22.11	23.13	23.86	21.78	23.62	25.33	26.83	28.79	29.57
27	23.76	24.79	22.73	22.21	23.17	23.86	21.85	23.68	25.39	26.90	28.85	29.56
28	23.80	24.64	22.74	22.27	23.17	23.67	21.93	23.75	25.46	26.97	28.90	29.62
29	23.82	24.44	22.74	22.29	---	23.36	22.00	23.81	25.53	27.04	28.95	29.65
30	23.84	24.39	22.79	22.32	---	23.25	22.05	23.87	25.59	27.10	28.85	29.68
31	23.88	---	22.80	22.38	---	23.15	---	23.92	---	27.15	28.71	---
Mean	---	24.37	23.19	---	22.90	23.58	21.62	23.03	24.75	26.38	28.15	29.08
Max	---	24.79	24.27	---	23.17	23.86	23.05	23.92	25.59	27.15	28.95	29.68
Min	---	23.94	22.69	---	22.44	23.15	21.00	22.12	23.99	25.66	27.21	28.51

421138075511301 Local number Bm-128, Kattelville NY—Continued



Water-Data Report NY-2005

421157075535401 Local number Bm-129, near Castle Creek NY

New York Clastic-rock Aquifers
Sonyea Formation
Broome County, NY

LOCATION.--Lat 42°11'57", long 75°53'54" referenced to North American Datum of 1927, Broome County, Hydrologic Unit 02050102, near Castle Creek.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 252 ft. Upper casing diameter 6 in; top of first opening 52 ft, bottom of last opening 252 ft. Cased to 52 ft, open hole.

WELL USE.--Unused.

DATUM.--Land-surface datum is 1105.75 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--November 1985 to August 1995 and October 2002 to current year.

GAGE.--Electronic data recorder--15 minute; periodic measurements by USGS personnel.

REMARKS.--Well drilled by New York State Department of Transportation, originally intended as water-supply well for proposed rest area on Interstate Highway I-81. Satellite water-level telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 66.18 ft below land-surface datum, Apr. 3, 2005; lowest measured, 75.83 ft below land-surface datum, Nov. 1, 1985.

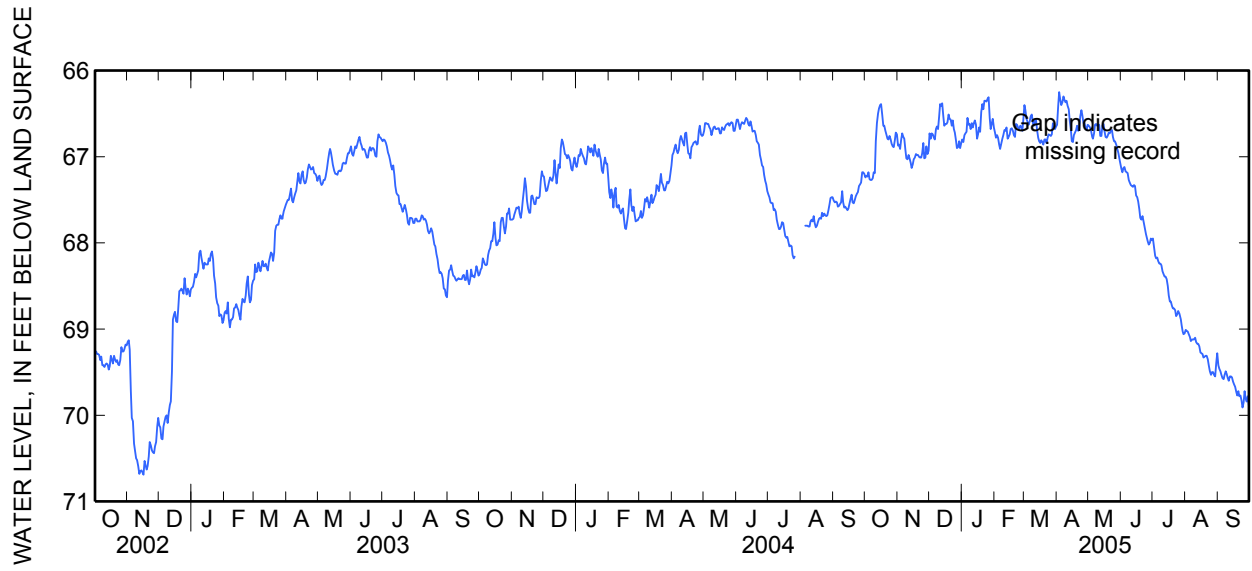
EXTREMES FOR CURRENT YEAR.--Highest water level, 66.18 ft below land surface datum, Apr 3; lowest water level, 69.96 ft below land surface datum, Sep 24.

421157075535401 Local number Bm-129, near Castle Creek NY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	67.24	66.87	66.73	66.80	66.72	66.40	66.63	66.64	67.15	67.95	69.01	69.42
2	67.22	66.86	66.79	66.83	66.78	66.46	66.41	66.66	67.18	68.05	69.02	69.46
3	67.23	66.91	66.73	66.75	66.75	66.56	66.25	66.68	67.13	68.15	69.03	69.49
4	67.18	66.81	66.74	66.73	66.78	66.60	66.34	66.75	67.12	68.18	69.06	69.53
5	67.26	66.73	66.78	66.71	66.86	66.63	66.40	66.79	67.17	68.17	69.09	69.57
6	67.27	66.77	66.80	66.55	66.91	66.59	66.37	66.73	67.18	68.21	69.14	69.58
7	67.27	66.79	66.68	66.63	66.85	66.53	66.30	66.63	67.19	68.24	69.12	69.53
8	67.25	66.92	66.65	66.62	66.79	66.51	66.34	66.62	67.27	68.24	69.12	69.49
9	67.18	67.02	66.68	66.68	66.75	66.61	66.37	66.64	67.30	68.26	69.12	69.52
10	67.19	67.03	66.53	66.61	66.69	66.64	66.35	66.63	67.33	68.33	69.10	69.57
11	66.82	66.98	66.39	66.66	66.70	66.58	66.41	66.63	67.34	68.36	69.15	69.60
12	66.61	67.02	66.41	66.61	66.66	66.57	66.45	66.76	67.35	68.39	69.17	69.55
13	66.50	67.07	66.38	66.58	66.79	66.69	66.58	66.76	67.33	68.39	69.17	69.55
14	66.44	67.13	66.53	66.63	66.77	66.78	66.68	66.64	67.34	68.42	69.20	69.56
15	66.40	67.09	66.64	66.79	66.74	66.82	66.82	66.62	67.45	68.50	69.27	69.61
16	66.39	67.03	66.62	66.74	66.68	66.84	66.83	66.70	67.47	68.61	69.28	69.64
17	66.51	67.01	66.62	66.66	66.67	66.81	66.75	66.77	67.52	68.68	69.29	69.67
18	66.64	66.97	66.60	66.71	66.70	66.83	66.72	66.78	67.61	68.68	69.33	69.73
19	66.64	66.98	66.51	66.48	66.75	66.86	66.69	66.76	67.71	68.73	69.32	69.77
20	66.70	66.98	66.56	66.39	66.77	66.80	66.64	66.72	67.73	68.76	69.31	69.72
21	66.74	67.00	66.57	66.45	66.62	66.80	66.70	66.73	67.69	68.76	69.31	69.78
22	66.79	67.01	66.64	66.35	66.63	66.84	66.68	66.70	67.73	68.78	69.35	69.77
23	66.80	67.01	66.58	66.35	66.66	66.78	66.53	66.69	67.83	68.85	69.42	69.83
24	66.76	66.96	66.68	66.36	66.68	66.74	66.46	66.77	67.88	68.83	69.49	69.91
25	66.80	66.84	66.72	66.33	66.64	66.75	66.52	66.82	67.92	68.79	69.53	69.85
26	66.85	67.02	66.81	66.31	66.65	66.76	66.61	66.82	67.98	68.82	69.50	69.72
27	66.88	67.01	66.90	66.55	66.70	66.74	66.61	66.86	68.02	68.86	69.50	69.81
28	66.89	66.88	66.89	66.68	66.57	66.61	66.66	66.90	68.00	68.96	69.53	69.84
29	66.81	66.97	66.82	66.61	---	66.62	66.69	66.95	67.95	69.00	69.55	69.78
30	66.72	66.93	66.90	66.56	---	66.68	66.63	67.00	67.97	69.06	69.39	69.89
31	66.74	---	66.84	66.66	---	66.65	---	67.08	---	69.05	69.28	---
Mean	66.86	66.95	66.67	66.59	66.72	66.68	66.55	66.75	67.53	68.55	69.26	69.66
Max	67.27	67.13	66.90	66.83	66.91	66.86	66.83	67.08	68.02	69.06	69.55	69.91
Min	66.39	66.73	66.38	66.31	66.57	66.40	66.25	66.62	67.12	67.95	69.01	69.42

421157075535401 Local number Bm-129, near Castle Creek NY—Continued



Water-Data Report NY-2005

420530078445201 Local number Ct-121, near Red House NY

Sand and gravel aquifers (glaciated regions)

Sand and Gravel

Cattaraugus County, NY

LOCATION.--Lat 42°05'30", long 78°44'52" referenced to North American Datum of 1927, Cattaraugus County, Hydrologic Unit 05010001, near Red House.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 52.8 ft. Upper casing diameter 6 in; top of first opening 52.8 ft. Cased to 52.8 ft, open end.

WELL USE.--Unused.

DATUM.--Land-surface datum is 1467.08 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.24 ft above land-surface datum.

PERIOD OF RECORD.--September 1950 to current year.

GAGE.--Electronic data recorder--15 minute; periodic measurements by USGS personnel.

REMARKS.--Well is in a New York State owned and operated campground area. Extreme low water levels occurred from 1969 to 1979 due to the effect of pumping at the campground area. A central water system for the campground, utilizing a well about 1.5 mi from the observation well was put in operation in 1980. Satellite water-level telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.97 ft below land-surface datum, June 26, 1989; lowest measured, 34.87 ft below land-surface datum, Nov. 21, 1972 due to nearby pumping.

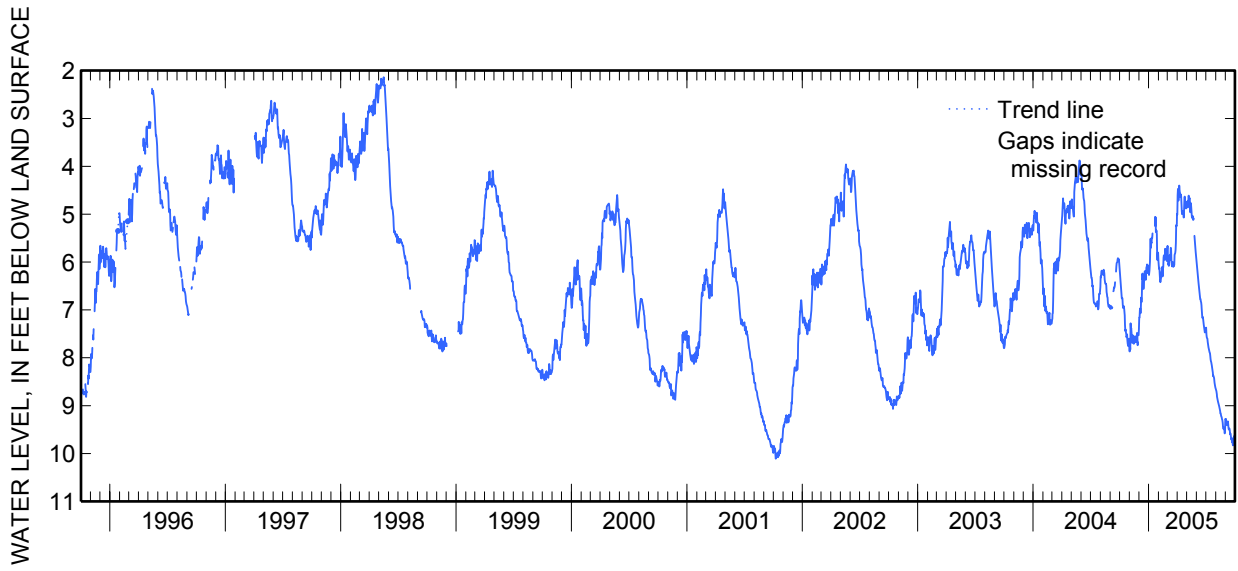
EXTREMES FOR CURRENT YEAR.--Highest water level, 4.36 ft below land surface datum, Apr 7; lowest water level, 9.86 ft below land surface datum, Sep 23, 24.

420530078445201 Local number Ct-121, near Red House NY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	6.24	7.87	7.16	6.27	6.07	5.66	5.01	4.77	6.08	7.37	8.65	9.29
2	6.28	7.74	7.16	6.21	6.14	5.91	4.60	4.73	6.14	7.51	8.68	9.28
3	6.40	7.83	7.01	6.14	6.12	6.05	4.47	4.77	6.16	7.57	8.73	9.33
4	6.42	7.28	6.97	5.93	6.25	6.04	4.71	4.86	6.21	7.59	8.76	9.38
5	6.62	7.41	7.07	5.77	6.36	6.08	4.71	4.84	6.29	7.60	8.83	9.41
6	6.68	7.38	6.97	5.51	6.42	6.00	4.55	4.69	6.33	7.67	8.87	9.40
7	6.76	7.48	6.74	5.70	6.38	5.86	4.40	4.61	6.42	7.73	8.89	9.36
8	6.75	7.65	6.84	5.58	6.34	5.92	4.49	4.67	6.51	7.74	8.93	9.33
9	6.76	7.69	6.74	5.60	6.27	5.96	4.55	4.68	6.60	7.79	8.95	9.39
10	6.89	7.57	6.42	5.49	6.19	5.86	4.56	4.66	6.67	7.85	8.97	9.47
11	6.96	7.53	6.24	5.50	6.19	5.70	4.64	4.75	6.72	7.86	9.02	9.50
12	6.94	7.56	6.37	5.40	6.10	5.72	4.59	4.96	6.77	7.89	9.03	9.48
13	6.92	7.67	6.28	---	6.30	5.96	4.63	4.92	6.77	7.90	9.06	9.48
14	6.97	7.71	6.56	---	6.12	6.05	4.78	4.77	6.82	7.96	9.09	9.52
15	7.00	7.64	6.56	---	6.11	6.09	4.94	4.86	6.84	8.03	9.16	9.60
16	7.11	7.57	6.41	---	5.91	6.05	5.00	4.96	6.90	8.07	9.16	9.58
17	7.30	7.56	6.39	---	5.86	6.00	4.93	5.06	6.96	8.09	9.20	9.62
18	7.44	7.55	6.23	---	5.93	6.08	4.95	5.08	7.06	8.11	9.23	9.68
19	7.41	7.58	6.19	---	5.95	6.10	4.96	5.05	7.16	8.17	9.24	9.71
20	7.45	7.56	6.32	5.06	5.92	6.06	4.94	5.04	7.17	8.24	9.28	9.69
21	7.51	7.68	6.23	5.25	5.72	6.08	5.07	5.12	7.15	8.25	9.30	9.76
22	7.57	7.64	6.37	5.06	5.87	6.06	4.93	5.11	7.21	8.30	9.34	9.73
23	7.54	7.60	6.23	5.37	5.95	5.85	4.71	5.09	7.29	8.38	9.41	9.80
24	7.51	7.48	6.11	5.36	5.90	5.83	4.63	---	7.32	8.37	9.47	9.83
25	7.64	7.51	6.10	5.34	5.87	5.81	4.73	5.45	7.36	8.39	9.49	9.79
26	7.71	7.74	6.05	5.42	5.93	5.75	4.79	5.50	7.43	8.42	9.46	9.66
27	7.74	7.68	6.23	5.85	5.98	5.60	4.80	5.58	7.47	8.45	9.46	9.75
28	7.76	---	6.10	5.96	5.74	5.23	4.88	5.67	7.42	8.53	9.54	9.67
29	7.68	7.53	6.07	5.80	---	5.25	4.86	5.78	7.42	8.57	9.58	9.62
30	7.60	7.40	6.19	5.81	---	5.20	4.75	5.88	7.40	8.62	9.55	9.66
31	7.75	---	6.11	5.98	---	5.00	---	6.00	---	8.63	9.28	---
Mean	7.14	---	6.47	---	6.07	5.83	4.75	---	6.87	8.05	9.15	9.56
Max	7.76	---	7.16	---	6.42	6.10	5.07	---	7.47	8.63	9.58	9.83
Min	6.24	---	6.05	---	5.72	5.00	4.40	---	6.08	7.37	8.65	9.28

420530078445201 Local number Ct-121, near Red House NY—Continued



Water-Data Report NY-2005

424158076251901 Local number Cy-7, near Moravia NY

Sand and gravel aquifers (glaciated regions)

Lake Deposits

Cayuga County, NY

LOCATION.--Lat 42°41'58", long 76°25'19" referenced to North American Datum of 1927, Cayuga County, Hydrologic Unit 04140201, near Moravia.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 27.8 ft. Upper casing diameter 2.5 in; top of first opening 25.8 ft, bottom of last opening 27.8 ft. Cased to 27.8 ft (screen, 25.8 ft to 27.8 ft).

WELL USE.--Observation well.

DATUM.--Land-surface datum is 760.7 ft above National Geodetic Vertical Datum of 1929. Measuring point: File marks in bottom of shelter, 3.12 ft above land-surface datum.

PERIOD OF RECORD.--December 1965 to August 1995 and July 2003 to current year. Records for December 1965 to September 1976 are unpublished and available in files of the U.S. Geological Survey. Prior to February 22, 1989, weekly measurements with chalked tape by observer.

GAGE.--Water-stage recorder--hourly; monthly measurements by USGS personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.91 ft, below land-surface datum, June 26, 1972; lowest measured, 25.00 ft below land-surface datum, Sept. 19, 1983.

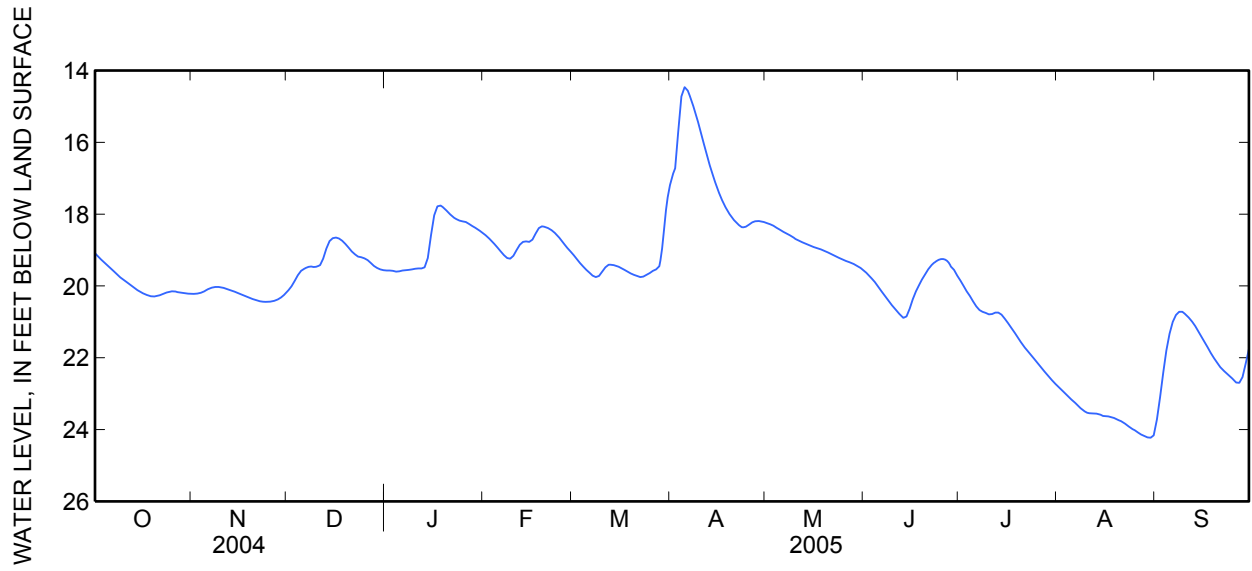
EXTREMES FOR CURRENT YEAR.--Highest water level, 14.44 ft below land surface datum, Apr 5; lowest water level, 24.24 ft below land surface datum, Aug 30.

424158076251901 Local number Cy-7, near Moravia NY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	19.09	20.22	20.12	19.57	18.57	19.14	16.96	18.25	19.61	19.85	22.82	23.72
2	19.18	20.21	20.01	19.57	18.65	19.25	16.72	18.28	19.69	20.00	22.90	23.09
3	19.27	20.20	19.86	19.58	18.74	19.36	15.71	18.32	19.79	20.15	22.99	22.40
4	19.35	20.17	19.70	19.60	18.83	19.46	14.72	18.38	19.89	20.28	23.08	21.80
5	19.43	20.12	19.58	19.59	18.93	19.55	14.46	18.43	20.01	20.43	23.16	21.33
6	19.51	20.08	19.52	19.57	19.04	19.63	14.56	18.48	20.14	20.57	23.24	21.00
7	19.60	20.04	19.48	19.56	19.14	19.71	14.79	18.53	20.26	20.67	23.33	20.81
8	19.68	20.03	19.46	19.55	19.22	19.75	15.06	18.58	20.37	20.72	23.41	20.72
9	19.76	20.03	19.47	19.54	19.24	19.72	15.36	18.63	20.48	20.75	23.48	20.72
10	19.83	20.04	19.46	19.52	19.16	19.60	15.69	18.69	20.60	20.79	23.53	20.79
11	19.89	20.06	19.42	19.51	19.00	19.48	16.02	18.73	20.71	20.78	23.55	20.88
12	19.96	20.10	19.24	19.51	18.85	19.41	16.35	18.77	20.81	20.74	23.55	20.98
13	20.03	20.13	18.96	19.48	18.77	19.41	16.64	18.82	20.89	20.74	23.56	21.11
14	20.09	20.16	18.75	19.22	18.76	19.43	16.93	18.86	20.85	20.80	23.58	21.25
15	20.15	20.20	18.67	18.59	18.77	19.46	17.20	18.89	20.63	20.91	23.62	21.40
16	20.20	20.23	18.65	18.03	18.71	19.50	17.44	18.92	20.37	21.03	23.63	21.56
17	20.24	20.27	18.68	17.78	18.54	19.55	17.65	18.95	20.15	21.16	23.64	21.71
18	20.27	20.30	18.74	17.76	18.39	19.60	17.82	18.98	19.97	21.29	23.66	21.87
19	20.29	20.34	18.83	17.82	18.34	19.65	17.97	19.02	19.80	21.42	23.70	22.01
20	20.29	20.37	18.93	17.91	18.36	19.69	18.09	19.06	19.65	21.55	23.74	22.14
21	20.27	20.40	19.04	18.00	18.39	19.72	18.21	19.10	19.52	21.68	23.78	22.26
22	20.24	20.43	19.12	18.08	18.44	19.75	18.30	19.14	19.41	21.79	23.84	22.36
23	20.20	20.44	19.18	18.14	18.52	19.74	18.36	19.18	19.34	21.90	23.91	22.43
24	20.17	20.44	19.20	18.18	18.61	19.69	18.36	19.23	19.28	22.00	23.97	22.51
25	20.16	20.44	19.23	18.20	18.72	19.64	18.31	19.27	19.25	22.11	24.02	22.61
26	20.15	20.43	19.28	18.22	18.82	19.58	18.25	19.31	19.26	22.22	24.08	22.69
27	20.17	20.40	19.36	18.27	18.94	19.54	18.20	19.34	19.32	22.32	24.14	22.70
28	20.18	20.36	19.44	18.33	19.04	19.45	18.19	19.38	19.46	22.43	24.18	22.54
29	20.20	20.30	19.50	18.38	---	18.88	18.20	19.42	19.55	22.54	24.22	22.16
30	20.21	20.21	19.54	18.44	---	18.01	18.22	19.47	19.71	22.64	24.23	21.76
31	20.22	---	19.56	18.50	---	17.37	---	19.53	---	22.73	24.16	---
Mean	19.94	20.24	19.29	18.77	18.77	19.41	16.96	18.90	19.96	21.26	23.64	21.84
Max	20.29	20.44	20.12	19.60	19.24	19.75	18.36	19.53	20.89	22.73	24.23	23.72
Min	19.09	20.03	18.65	17.76	18.34	17.37	14.46	18.25	19.25	19.85	22.82	20.72

424158076251901 Local number Cy-7, near Moravia NY—Continued



Water-Data Report NY-2005

425448076350002 Local number Cy-223, at Auburn NY

New York Clastic-rock Aquifers
Hamilton Group
Cayuga County, NY

LOCATION.--Lat 42°54'48", long 76°35'00" referenced to North American Datum of 1983, Cayuga County, Hydrologic Unit 04140201, 0.5 mi north of intersection of Dunning and Koon road near Auburn.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 44 ft. Upper casing diameter 4 in; top of first opening 19 ft, bottom of last opening 44 ft. Cased to 19 ft, open hole.

WELL USE.--Unused.

DATUM.--Land-surface datum is 679.12 ft above National Geodetic Vertical Datum of 1988. Measuring point: Painted mark on casing, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--October 2004 to September 2005.

GAGE.—Water-stage recorder—hourly; monthly measurements by usgs personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 11.84 ft below land-surface datum, Apr. 3, 2005; lowest, 18.71 ft below land-surface datum, Aug. 29, 2005.

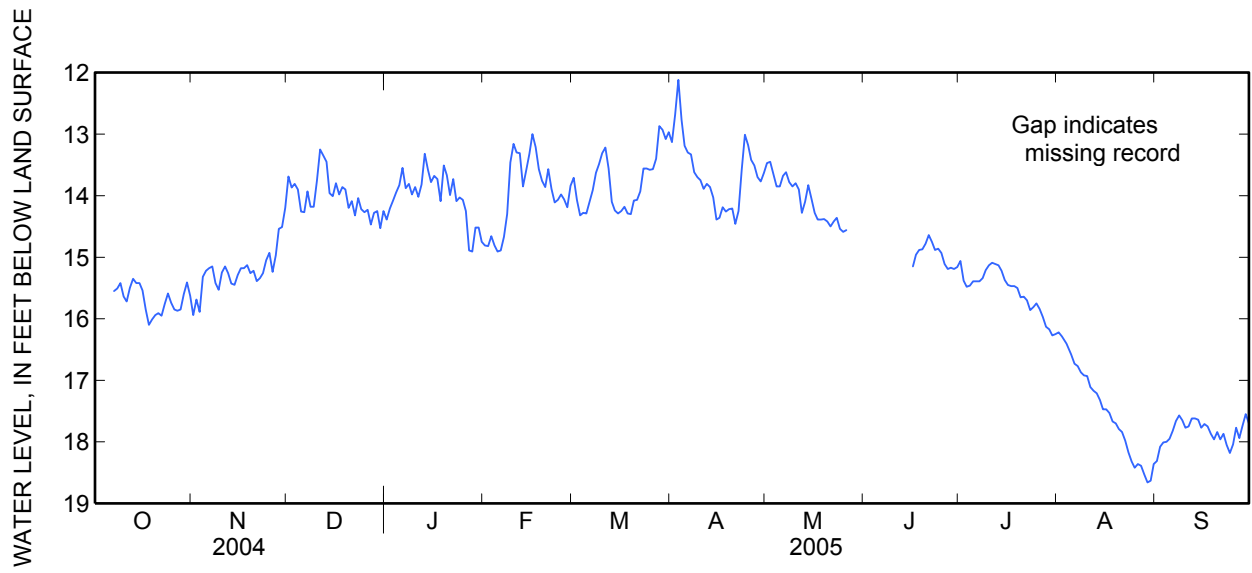
EXTREMES FOR CURRENT YEAR.--Highest water level, 11.84 ft below land surface datum, Apr 3; lowest water level, 18.71 ft below land surface datum, Aug 29.

425448076350002 Local number Cy-223, at Auburn NY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	15.94	13.69	14.39	14.81	13.71	13.13	13.47	---	15.06	16.22	18.31
2	---	15.69	13.87	14.21	14.82	14.07	12.68	13.45	---	15.38	16.29	18.08
3	---	15.89	13.81	14.08	14.66	14.32	12.12	13.65	---	15.48	16.36	18.01
4	---	15.32	13.90	13.95	14.81	14.28	12.77	13.85	---	15.46	16.46	18.00
5	---	15.22	14.26	13.83	14.91	14.29	13.19	13.85	---	15.39	16.59	17.95
6	---	15.18	14.27	13.55	14.89	14.10	13.30	13.68	---	15.39	16.73	17.82
7	15.55	15.15	13.93	13.88	14.67	13.91	13.33	13.62	---	15.39	16.77	17.66
8	15.51	15.42	14.18	13.81	14.30	13.63	13.62	13.78	---	15.34	16.87	17.57
9	15.42	15.53	14.18	13.98	13.46	13.49	13.70	13.85	---	15.21	16.92	17.65
10	15.64	15.25	13.76	13.86	13.16	13.31	13.75	13.80	---	15.13	16.93	17.77
11	15.72	15.15	13.25	14.02	13.30	13.22	13.89	13.90	---	15.09	17.11	17.75
12	15.50	15.26	13.35	13.82	13.31	13.56	13.81	14.28	---	15.11	17.17	17.62
13	15.35	15.43	13.45	13.32	13.85	14.10	13.86	14.10	---	15.13	17.21	17.62
14	15.42	15.45	13.96	13.58	13.59	14.24	14.03	13.83	---	15.22	17.32	17.64
15	15.42	15.29	14.01	13.78	13.32	14.29	14.39	14.05	---	15.37	17.47	17.77
16	15.54	15.18	13.80	13.68	13.00	14.25	14.36	14.28	15.15	15.45	17.47	17.71
17	15.85	15.18	13.98	13.73	13.21	14.18	14.19	14.39	14.96	15.47	17.53	17.75
18	16.10	15.13	13.86	14.09	13.57	14.29	14.26	14.39	14.88	15.47	17.67	17.87
19	16.01	15.26	13.90	13.51	13.76	14.30	14.22	14.38	14.87	15.50	17.70	17.96
20	15.94	15.22	14.20	13.67	13.86	14.08	14.21	14.42	14.78	15.65	17.79	17.84
21	15.91	15.39	14.09	13.99	13.57	14.07	14.46	14.50	14.64	15.64	17.84	17.96
22	15.95	15.34	14.32	13.73	13.89	13.93	14.25	14.42	14.75	15.70	17.98	17.87
23	15.76	15.26	14.04	14.09	14.11	13.56	13.58	14.36	14.88	15.86	18.17	18.05
24	15.59	15.05	14.22	14.03	14.07	13.56	13.01	14.54	14.86	15.81	18.32	18.18
25	15.74	14.93	14.27	14.07	13.98	13.58	13.18	14.59	14.93	15.75	18.42	18.04
26	15.85	15.24	14.23	14.25	14.06	13.57	13.42	14.56	15.11	15.84	18.36	17.77
27	15.87	14.97	14.47	14.89	14.19	13.40	13.51	---	15.19	15.97	18.39	17.94
28	15.85	14.54	14.28	14.91	13.84	12.87	13.70	---	15.17	16.13	18.53	17.74
29	15.60	14.51	14.25	14.52	---	12.93	13.77	---	15.19	16.17	18.66	17.55
30	15.41	14.20	14.53	14.52	---	13.08	13.63	---	15.16	16.27	18.63	17.70
31	15.63	---	14.25	14.75	---	12.97	---	---	---	16.25	18.36	---
Mean	---	15.22	14.02	14.02	13.96	13.78	13.64	---	---	15.55	17.49	17.84
Max	---	15.94	14.53	14.91	14.91	14.32	14.46	---	---	16.27	18.66	18.31
Min	---	14.20	13.25	13.32	13.00	12.87	12.12	---	---	15.06	16.22	17.55

425448076350002 Local number Cy-223, at Auburn NY—Continued



Water-Data Report NY-2005

420815079121401 Local number Cu-10, Falconer NY

Sand and gravel aquifers (glaciated regions)
Ice-contact Deposits
Chautauqua County, NY

LOCATION.--Lat 42°08'15", long 79°12'14" referenced to North American Datum of 1927, Chautauqua County, Hydrologic Unit 05010002, at City of Jamestown Water Works, Falconer.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 232 ft. Upper casing diameter 10 in; top of first opening 130 ft, bottom of last opening 144 ft. Cased to 144 ft (slotted, 130 ft to 144 ft), open end.

WELL USE.--Observation well.

DATUM.--Land-surface datum is 1252.52 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of well casing, 5.49 ft above land-surface datum.

PERIOD OF RECORD.--November 1939 to September 1943, August 1946 to August 1995, and October 1996 to current. Records for November 1939 to September 1943, August 1946 to September 1976 are unpublished and available in files of the U.S. Geological Survey. Weekly measurements by City of Jamestown personnel until Oct. 13, 1999. Prior to December 14, 1978 type F graphic recorder at same site and datum. Dec. 14, 1978 to Sep. 16, 1982, digital recorder with every fifth day high water-level published. Sep. 1982 to Sep. 1987, twice-daily readings by City of Jamestown personnel, every fifth day water-level published.

REVISED RECORDS.--WDR NY-87-3: 1983-86. WDR NY-91-3: 1988-90.

GAGE.--Electronic data recorder--15 minute; periodic measurements by USGS personnel.

REMARKS.--Water level affected by pumping from municipal well field. Satellite water-level telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.2 ft above land-surface datum, Mar. 14, 1942; lowest measured, 66.6 ft below land-surface datum, Nov. 3, 1971.

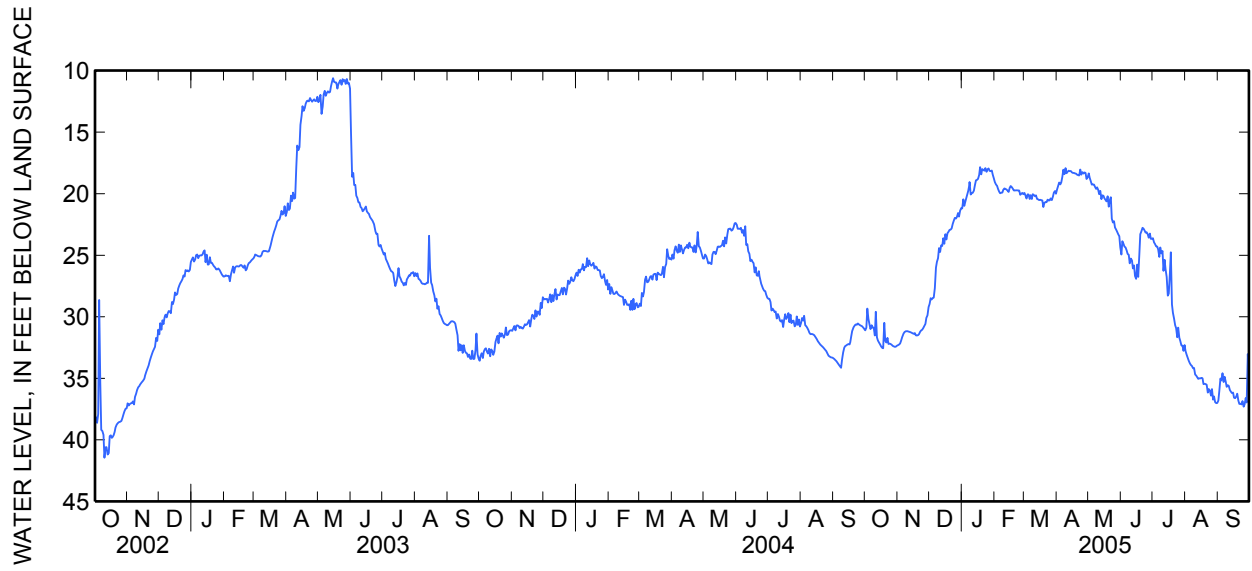
EXTREMES FOR CURRENT YEAR.--Highest water level, 9.50 ft below land surface datum, Jan 8; lowest water level, 38.18 ft below land surface datum, Sep 1.

420815079121401 Local number Cu-10, Falconer NY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	31.11	32.31	28.97	21.20	19.06	19.94	19.65	18.36	24.94	23.62	32.79	36.82
2	30.89	32.27	28.49	20.46	19.25	20.14	19.36	18.72	23.86	23.96	33.10	36.03
3	29.34	32.18	28.60	20.99	19.37	20.39	19.10	19.00	24.07	24.09	33.35	35.02
4	30.18	31.95	28.48	20.68	19.62	20.06	19.25	19.26	24.29	24.28	33.58	35.17
5	30.65	31.69	28.45	20.25	19.84	20.07	19.09	19.25	24.38	24.30	33.79	34.59
6	31.00	31.44	27.67	20.00	19.97	20.43	18.63	19.26	24.62	24.54	33.92	35.31
7	30.69	31.25	26.01	19.67	19.93	20.12	18.05	19.45	24.90	25.14	34.00	34.88
8	30.88	31.20	25.54	19.06	19.92	20.43	18.42	19.62	24.97	24.38	34.19	35.27
9	30.89	31.19	25.24	20.07	19.68	20.05	17.92	19.48	25.66	24.85	34.16	35.69
10	31.52	31.18	24.42	19.97	19.57	20.11	18.34	19.69	25.27	24.66	34.69	35.56
11	29.60	31.18	24.74	19.93	19.61	20.22	18.23	20.04	25.42	26.27	34.77	35.62
12	31.66	31.21	24.20	19.76	19.67	20.13	18.14	19.77	26.07	25.38	34.92	35.95
13	31.92	31.27	24.25	19.34	19.75	20.43	18.18	20.45	25.83	26.14	35.05	36.10
14	32.10	31.32	23.62	18.92	19.86	20.46	18.16	20.13	26.69	26.77	35.01	36.20
15	32.25	31.35	24.08	18.89	19.53	20.52	18.27	20.18	26.92	28.29	35.01	36.17
16	32.41	31.40	23.29	18.79	19.38	20.50	18.32	20.38	25.76	28.12	34.97	36.58
17	32.52	31.33	23.72	18.49	19.47	20.53	18.32	20.51	26.77	26.49	35.00	36.62
18	32.57	31.51	23.22	17.85	19.59	20.55	18.36	20.63	24.97	24.76	35.48	36.47
19	30.49	31.52	23.08	18.43	19.74	21.08	18.38	20.22	23.29	29.00	35.45	36.25
20	31.95	31.50	22.94	18.01	19.73	20.75	18.46	21.06	23.06	29.68	35.48	36.81
21	32.10	31.42	22.92	18.07	19.75	20.68	18.50	20.55	22.78	30.14	35.52	37.08
22	31.72	31.22	22.83	18.13	19.72	20.70	18.52	20.29	22.84	30.69	36.16	37.06
23	32.21	31.12	22.45	17.93	19.75	20.49	18.04	22.03	23.00	30.92	35.88	37.13
24	32.19	31.05	22.18	18.23	19.74	20.56	18.46	22.35	23.16	31.66	35.99	36.85
25	32.21	30.91	21.97	18.03	20.10	20.54	18.25	22.24	23.14	30.89	36.41	37.31
26	32.28	30.75	22.02	17.95	20.01	20.38	18.37	22.75	23.28	31.70	35.88	37.13
27	32.37	30.59	21.89	18.15	19.94	20.52	18.28	22.92	23.58	31.96	36.73	36.61
28	32.41	30.09	21.58	18.18	20.04	20.24	18.32	23.09	23.24	32.33	36.47	36.97
29	32.45	29.89	21.86	18.12	---	19.92	18.81	23.29	23.67	32.35	36.94	33.03
30	32.43	29.21	21.38	18.46	---	19.78	18.68	23.46	23.67	32.77	37.02	35.20
31	32.36	---	21.17	18.77	---	20.01	---	24.36	---	32.30	37.01	---
Mean	31.59	31.22	24.23	19.06	19.70	20.35	18.50	20.74	24.47	27.82	35.12	36.05
Max	32.57	32.31	28.97	21.20	20.10	21.08	19.65	24.36	26.92	32.77	37.02	37.31
Min	29.34	29.21	21.17	17.85	19.06	19.78	17.92	18.36	22.78	23.62	32.79	33.03

420815079121401 Local number Cu-10, Falconer NY—Continued



Water-Data Report NY-2005

420828076484601 Local number Cm-622, near Horseheads NY

Sand and gravel aquifers (glaciated regions)

Outwash

Chemung County, NY

LOCATION.--Lat 42°08'28", long 76°48'46" referenced to North American Datum of 1983, Chemung County, Hydrologic Unit 02050105, 1.0 mi south of intersection of Routes 17 and 14 off Rt. 14 behind the "Church of Love", near Horseheads.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 39.2 ft. Upper casing diameter 2 in; top of first opening 29 ft, bottom of last opening 39 ft. Cased to 39.2 ft (screen, 29 ft to 39 ft).

WELL USE.--Observation well.

DATUM.--Land-surface datum is 885.15 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of pipe, 3.20 ft above land-surface datum.

PERIOD OF RECORD.--October 2002 to current year.

GAGE.--Water-stage recorder--15 minute; periodic measurements by USGS personnel.

REMARKS.--Water level affected by stage of Newtown Creek. This well is a replacement for 420829076484801 (local number Cm 46), which has a period of record from October 1955 to September 2002. Satellite water-level telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.58 ft below land-surface datum, Apr. 25, 1961; lowest measured, 25.95 ft below land-surface datum, July 18, 1980.

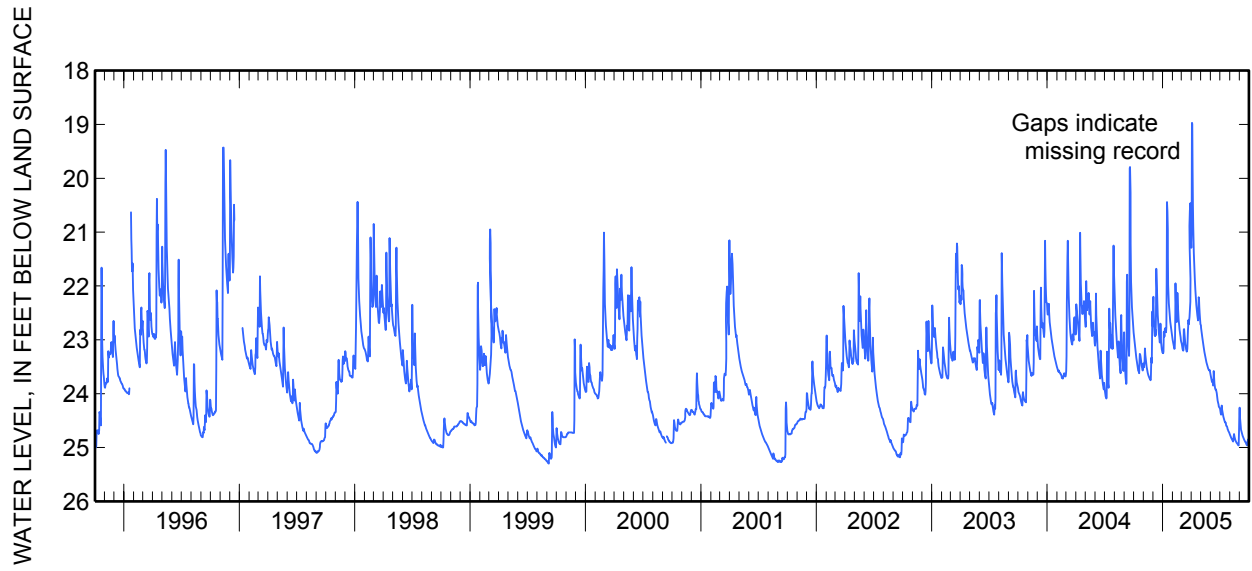
EXTREMES FOR CURRENT YEAR.--Highest water level, 18.76 ft below land surface datum, Apr 3; lowest water level, 24.97 ft below land surface datum, Aug 29.

420828076484601 Local number Cm-622, near Horseheads NY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	22.92	23.47	22.34	23.23	23.03	23.06	21.29	22.73	23.66	24.29	24.76	24.26
2	22.98	23.51	22.20	23.25	23.07	23.09	20.95	22.78	23.69	24.33	24.77	24.42
3	23.04	23.46	22.50	23.22	23.10	23.13	18.97	22.83	23.73	24.37	24.79	24.53
4	23.10	23.38	22.68	22.85	23.13	23.16	18.99	22.87	23.75	24.39	24.80	24.60
5	23.16	23.16	22.82	22.88	23.15	23.19	19.86	22.92	23.78	24.36	24.82	24.65
6	23.21	23.23	22.92	22.94	23.17	23.20	20.49	22.96	23.77	24.22	24.83	24.69
7	23.27	23.32	22.93	22.81	23.16	23.19	20.89	23.00	23.75	24.29	24.84	24.72
8	23.32	23.39	22.81	22.80	23.00	22.81	21.16	23.05	23.81	24.33	24.85	24.74
9	23.36	23.45	22.92	22.78	22.49	22.80	21.39	23.09	23.85	24.36	24.87	24.75
10	23.41	23.48	22.56	22.82	21.95	22.90	21.58	23.13	23.84	24.38	24.88	24.78
11	23.45	23.51	21.68	22.86	22.23	22.96	21.75	23.18	23.58	24.42	24.89	24.79
12	23.49	23.55	21.78	22.77	22.41	23.02	21.88	23.22	23.70	24.45	24.86	24.81
13	23.52	23.59	22.06	21.94	22.57	23.07	22.00	23.26	23.78	24.47	24.79	24.82
14	23.56	23.62	22.25	20.44	22.67	23.13	22.11	23.28	23.84	24.49	24.75	24.84
15	23.57	23.64	22.46	20.67	22.50	23.18	22.21	23.30	23.89	24.51	24.79	24.85
16	23.57	23.66	22.60	21.28	22.13	23.20	22.30	23.33	23.92	24.53	24.81	24.86
17	23.60	23.68	22.69	21.70	22.19	23.22	22.37	23.36	23.93	24.54	24.84	24.88
18	23.62	23.70	22.78	21.96	22.44	23.21	22.44	23.39	23.92	24.53	24.86	24.89
19	23.41	23.71	22.84	22.14	22.57	23.17	22.50	23.42	23.94	24.55	24.88	24.90
20	23.26	23.72	22.93	22.26	22.64	23.09	22.55	23.45	23.98	24.58	24.89	24.90
21	23.27	23.73	23.00	22.39	22.69	22.82	22.60	23.47	24.02	24.60	24.90	24.92
22	23.30	23.74	23.05	22.51	22.76	22.77	22.64	23.50	24.07	24.60	24.91	24.94
23	23.34	23.75	22.96	22.59	22.81	22.63	22.58	23.52	24.11	24.61	24.92	24.95
24	23.39	23.73	22.70	22.65	22.87	22.71	22.21	23.53	24.15	24.63	24.93	24.96
25	23.44	23.47	22.89	22.70	22.91	22.67	22.23	23.54	24.18	24.66	24.93	24.95
26	23.48	23.33	23.03	22.75	22.95	22.57	22.39	23.56	24.20	24.67	24.93	24.89
27	23.52	23.43	23.10	22.83	23.01	22.53	22.50	23.57	24.24	24.69	24.95	24.86
28	23.55	22.85	23.18	22.88	23.04	21.54	22.59	23.57	24.25	24.70	24.96	24.90
29	23.57	22.47	23.20	22.91	---	20.46	22.67	23.56	24.26	24.71	24.96	24.84
30	23.53	22.75	23.22	22.95	---	20.90	22.71	23.59	24.27	24.73	24.72	24.83
31	23.44	---	23.24	23.00	---	21.17	---	23.62	---	24.74	24.39	---
Mean	23.38	23.45	22.72	22.51	22.74	22.73	21.76	23.28	23.93	24.51	24.84	24.79
Max	23.62	23.75	23.24	23.25	23.17	23.22	22.71	23.62	24.27	24.74	24.96	24.96
Min	22.92	22.47	21.68	20.44	21.95	20.46	18.97	22.73	23.58	24.22	24.39	24.26

420828076484601 Local number Cm-622, near Horseheads NY—Continued



Water-Data Report NY-2005

421556075281602 Local number Cn-12, near Bainbridge

Sand and gravel aquifers (glaciated regions)

Outwash

Chenango County, NY

LOCATION.--Lat 42°15'56", long 75°28'16" referenced to North American Datum of 1927, Chenango County, Hydrologic Unit 02050101, 400 ft south of the intersection of County Roads 39 and 12, 0.5 mi east of the Susquehanna River and 2.0 mi south of Bainbridge.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 13 ft. Upper casing diameter 6 in; top of first opening 13 ft. Cased to 13 ft, open end.

WELL USE.--Observation well.

DATUM.--Land-surface datum is 979.28 ft above National Geodetic Vertical Datum of 1929. Measuring point: File mark at top of shelter base, 1.37 ft above land-surface datum.

PERIOD OF RECORD.--April 1975 to current year. Unpublished record for April 1975 to September 1976 is available in files of the Geological Survey.

GAGE.--Electronic data recorder--hourly; periodic measurements by USGS personnel.

REMARKS.--This well drilled April 1974 as a replacement for 421556075281601 (local number Cn 11), located 90 ft north, which had a period of record from October 1965 to September 1972 (unpublished).

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.09 ft below land-surface datum, Apr. 4th, 2005; lowest, 12.22 ft below land-surface datum, Sep. 13-16, 1999.

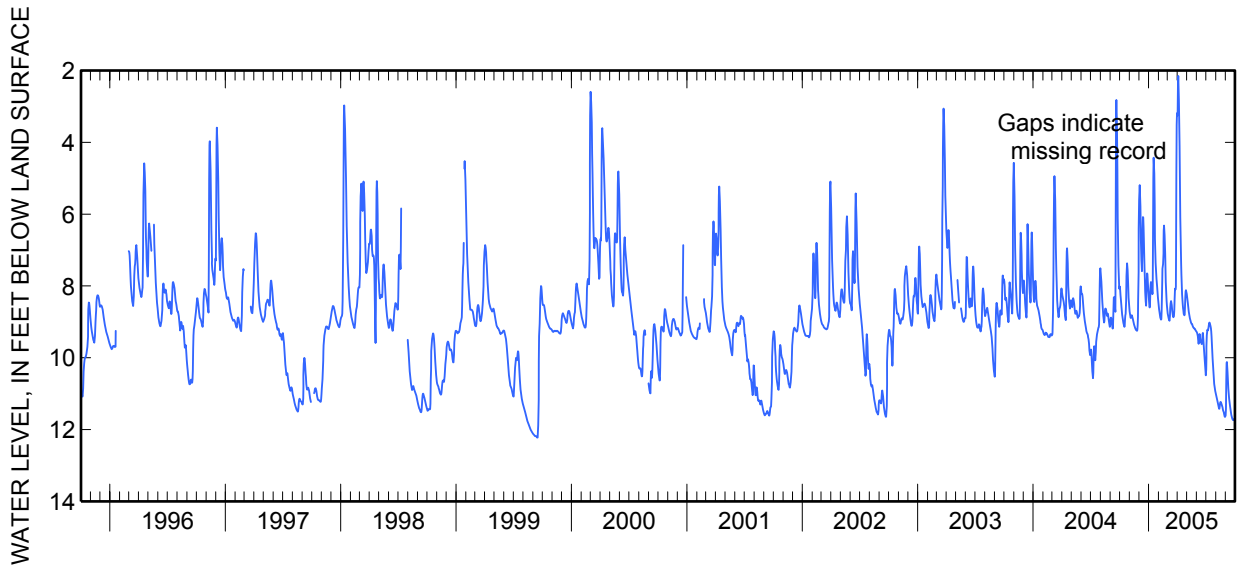
EXTREMES FOR CURRENT YEAR.--Highest water level, 2.09 ft below land surface datum, Apr 4; lowest water level, 11.76 ft below land surface datum, Sep 26, 29, 30.

421556075281602 Local number Cn-12, near Bainbridge—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	8.03	8.72	5.69	8.41	8.57	8.73	3.26	8.26	9.28	10.35	11.01	11.61
2	8.13	8.79	5.23	8.53	8.65	8.80	3.18	8.32	9.30	9.77	11.04	11.42
3	8.26	8.86	5.19	8.60	8.71	8.85	2.41	8.40	9.33	9.41	11.08	10.62
4	8.36	8.89	5.40	8.54	8.78	8.88	2.15	8.47	9.37	9.26	11.13	10.14
5	8.47	8.89	5.81	8.25	8.83	8.92	2.44	8.54	9.44	9.22	11.16	10.12
6	8.58	8.86	6.32	7.99	8.88	8.95	2.83	8.60	9.53	9.24	11.21	10.25
7	8.69	8.82	6.83	7.89	8.92	8.97	3.42	8.67	9.61	9.23	11.27	10.43
8	8.79	8.82	7.22	7.90	8.94	8.88	4.15	8.75	9.55	9.19	11.31	10.61
9	8.86	8.84	7.47	7.97	8.93	8.70	4.98	8.81	9.40	9.12	11.34	10.79
10	8.93	8.88	7.59	8.04	8.70	8.55	5.75	8.86	9.34	9.06	11.38	10.94
11	8.98	8.92	7.10	8.14	8.28	8.45	6.42	8.91	9.35	9.02	11.42	11.05
12	9.03	8.97	6.44	8.23	7.82	8.42	6.97	8.96	9.43	9.03	11.42	11.14
13	9.07	9.01	6.08	8.20	7.52	8.47	7.40	8.99	9.52	9.06	11.36	11.22
14	9.11	9.05	6.09	6.76	7.44	8.54	7.75	9.01	9.57	9.09	11.28	11.29
15	9.14	9.08	6.35	5.01	7.41	8.63	8.03	9.04	9.54	9.13	11.24	11.37
16	9.12	9.11	6.72	4.43	7.03	8.72	8.24	9.06	9.54	9.18	11.23	11.44
17	8.94	9.14	7.13	4.51	6.56	8.79	8.39	9.06	9.62	9.27	11.25	11.49
18	8.82	9.16	7.51	4.96	6.32	8.85	8.52	9.07	9.61	9.41	11.28	11.55
19	8.78	9.19	7.83	5.61	6.37	8.87	8.62	9.11	9.47	9.59	11.30	11.60
20	8.59	9.21	8.10	6.33	6.62	8.86	8.69	9.12	9.33	9.74	11.32	11.64
21	8.27	9.23	8.33	6.91	6.95	8.83	8.78	9.15	9.31	9.87	11.36	11.68
22	7.86	9.23	8.50	7.31	7.33	8.69	8.80	9.16	9.40	10.04	11.40	11.71
23	7.47	9.24	8.55	7.57	7.68	8.38	8.82	9.17	9.56	10.22	11.45	11.72
24	7.37	9.25	8.28	7.73	7.99	8.15	8.80	9.19	9.71	10.38	11.48	11.74
25	7.46	9.23	7.87	7.82	8.23	8.08	8.57	9.19	9.85	10.52	11.50	11.74
26	7.66	9.11	7.65	7.91	8.42	8.10	8.30	9.19	9.99	10.63	11.53	11.73
27	7.89	8.86	7.67	8.03	8.56	8.03	8.15	9.21	10.13	10.73	11.56	11.71
28	8.12	8.42	7.83	8.16	8.65	7.17	8.12	9.22	10.25	10.81	11.60	11.73
29	8.33	7.19	8.00	8.27	---	4.88	8.15	9.24	10.38	10.89	11.64	11.74
30	8.50	6.26	8.11	8.37	---	3.51	8.19	9.26	10.49	10.94	11.65	11.74
31	8.62	---	8.24	8.47	---	3.19	---	9.27	---	10.99	11.63	---
Mean	8.46	8.84	7.13	7.45	7.97	8.12	6.61	8.94	9.61	9.75	11.35	11.27
Max	9.14	9.25	8.55	8.60	8.94	8.97	8.82	9.27	10.49	10.99	11.65	11.74
Min	7.37	6.26	5.19	4.43	6.32	3.19	2.15	8.26	9.28	9.02	11.01	10.12

421556075281602 Local number Cn-12, near Bainbridge—Continued



Water-Data Report NY-2005

424452076081902 Local number C-998, near Preble NY

Sand and gravel aquifers (glaciated regions)

Outwash

Cortland County, NY

LOCATION.--Lat 42°44'52", long 76°08'19" referenced to North American Datum of 1983, Cortland County, Hydrologic Unit 02050102, at end of Currie Road, Cortland, N.Y.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 25 ft. Upper casing diameter 2 in; top of first opening 15 ft, bottom of last opening 25 ft. Cased to 25 ft (screen, 15 ft to 25 ft).

WELL USE.--Observation well.

DATUM.--Land-surface datum is 1184.2 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of pvc pipe, 3.15 ft above land-surface datum.

PERIOD OF RECORD.--July 2002 to current year.

GAGE.--Electronic data recorder--hourly; monthly measurements by USGS personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.57 ft below land-surface datum, Apr. 3, 2005; lowest measured, 5.79 ft below land-surface datum, Sep. 13, 14, 15, 2002.

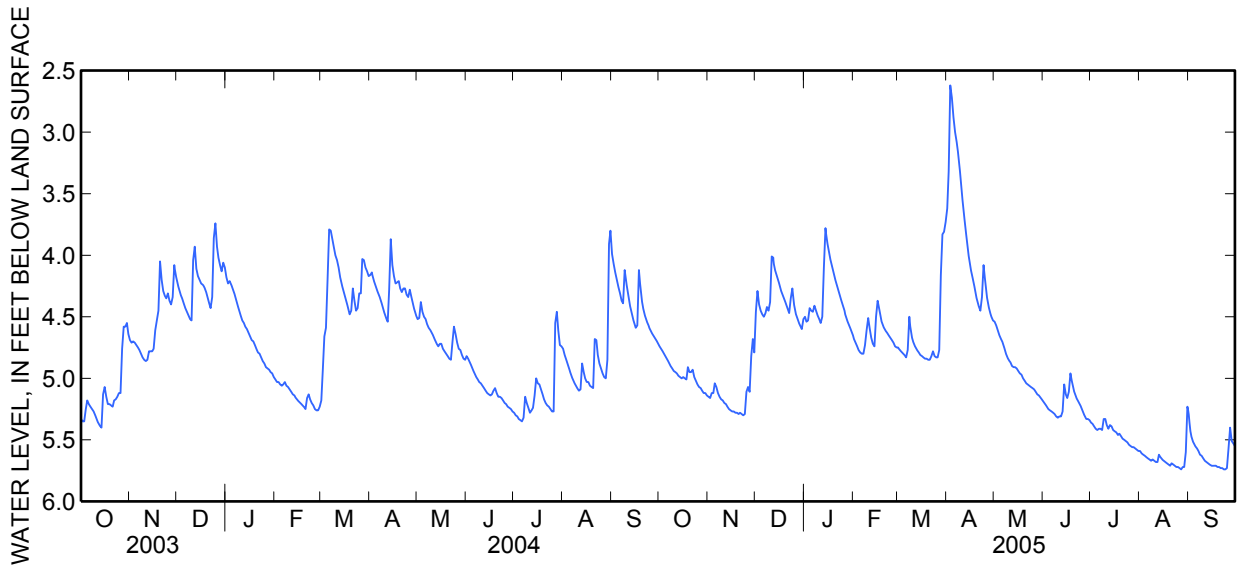
EXTREMES FOR CURRENT YEAR.--Highest water level, 2.57 ft below land surface datum, Apr 3; lowest water level, 5.75 ft below land surface datum, Aug 27, 28, Sep 24, 25.

424452076081902 Local number C-998, near Preble NY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	4.74	5.15	4.46	4.50	4.68	4.75	3.62	4.54	5.19	5.36	5.59	5.32
2	4.76	5.16	4.29	4.54	4.71	4.77	3.32	4.57	5.21	5.37	5.61	5.43
3	4.78	5.12	4.40	4.53	4.74	4.78	2.62	4.61	5.23	5.39	5.62	5.50
4	4.80	5.12	4.45	4.43	4.77	4.80	2.72	4.65	5.25	5.41	5.63	5.53
5	4.83	5.04	4.48	4.45	4.79	4.81	2.88	4.68	5.26	5.42	5.64	5.55
6	4.85	5.07	4.50	4.46	4.80	4.83	3.00	4.71	5.27	5.41	5.65	5.57
7	4.87	5.12	4.47	4.41	4.80	4.77	3.08	4.74	5.28	5.41	5.66	5.59
8	4.90	5.15	4.42	4.45	4.73	4.50	3.19	4.79	5.29	5.42	5.67	5.62
9	4.92	5.17	4.45	4.49	4.61	4.61	3.31	4.83	5.31	5.33	5.66	5.63
10	4.94	5.18	4.38	4.52	4.51	4.68	3.45	4.85	5.32	5.33	5.67	5.65
11	4.95	5.20	4.01	4.55	4.60	4.72	3.59	4.87	5.31	5.38	5.68	5.67
12	4.96	5.21	4.02	4.50	4.67	4.75	3.71	4.90	5.31	5.41	5.68	5.68
13	4.98	5.23	4.11	4.10	4.72	4.77	3.83	4.91	5.27	5.38	5.62	5.69
14	4.99	5.25	4.17	3.78	4.74	4.79	3.94	4.91	5.05	5.39	5.64	5.70
15	5.00	5.26	4.20	3.88	4.50	4.81	4.04	4.92	5.13	5.42	5.66	5.71
16	4.99	5.27	4.24	3.97	4.37	4.82	4.12	4.94	5.16	5.43	5.67	5.71
17	5.00	5.27	4.29	4.02	4.44	4.83	4.18	4.96	5.11	5.44	5.68	5.71
18	5.01	5.28	4.32	4.09	4.51	4.84	4.24	4.97	4.96	5.46	5.69	5.71
19	4.91	5.28	4.36	4.13	4.56	4.84	4.31	5.00	5.03	5.45	5.70	5.72
20	4.95	5.29	4.40	4.18	4.59	4.85	4.37	5.02	5.09	5.47	5.71	5.72
21	4.95	5.28	4.43	4.24	4.61	4.85	4.41	5.04	5.14	5.49	5.69	5.73
22	4.93	5.29	4.47	4.28	4.63	4.82	4.45	5.05	5.16	5.50	5.70	5.73
23	4.99	5.30	4.35	4.33	4.65	4.78	4.34	5.06	5.19	5.51	5.71	5.74
24	5.02	5.29	4.27	4.36	4.67	4.82	4.08	5.07	5.22	5.52	5.72	5.74
25	5.05	5.11	4.38	4.41	4.69	4.83	4.21	5.08	5.24	5.54	5.72	5.73
26	5.07	5.07	4.46	4.45	4.71	4.83	4.33	5.09	5.27	5.55	5.73	5.57
27	5.08	5.11	4.51	4.50	4.74	4.77	4.40	5.11	5.31	5.56	5.74	5.40
28	5.10	4.82	4.54	4.54	4.75	4.16	4.46	5.13	5.33	5.56	5.72	5.51
29	5.12	4.68	4.57	4.57	---	3.83	4.50	5.14	5.33	5.57	5.72	5.53
30	5.12	4.79	4.60	4.60	---	3.81	4.53	5.16	5.34	5.58	5.60	5.55
31	5.14	---	4.52	4.64	---	3.73	---	5.17	---	5.59	5.23	---
Mean	4.96	5.15	4.37	4.35	4.65	4.66	3.84	4.92	5.22	5.45	5.66	5.62
Max	5.14	5.30	4.60	4.64	4.80	4.85	4.53	5.17	5.34	5.59	5.74	5.74
Min	4.74	4.68	4.01	3.78	4.37	3.73	2.62	4.54	4.96	5.33	5.23	5.32

424452076081902 Local number C-998, near Preble NY—Continued



Water-Data Report NY-2005

425704078360601 Local number E-1196 near Clarence, NY

Sand and gravel aquifers (glaciated regions)

Outwash

Erie County, NY

LOCATION.--Lat 42°57'04", long 78°36'06" referenced to North American Datum of 1983, Erie County, Hydrologic Unit 04120102, behind main service building at NYS Thruway rest stop near Clarence, NY.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 20 ft. Upper casing diameter 2 in; top of first opening 8 ft, bottom of last opening 20 ft. Cased to 20 ft (screen, 8 ft to 20 ft).

WELL USE.--Unused.

DATUM.--Land-surface datum is 775 ft above National Geodetic Vertical Datum of 1929. Measuring point: File marks in top of well casing, 0.39 ft above land-surface datum.

PERIOD OF RECORD.--March 2004 to current year.

GAGE.--Electronic data recorder--15 minute; periodic measurements by USGS personnel.

Elevation of land-surface datum is 765 ft above NGVD of 1929, from topographic map. Measuring point: File marks in top of well casing, 0.40 ft above land-surface datum.

REMARKS.--Satellite water-level telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 9.88 ft below land-surface datum, Apr. 7, 2005; lowest, 13.98 ft below land-surface datum, Aug. 30, 31, 2005.

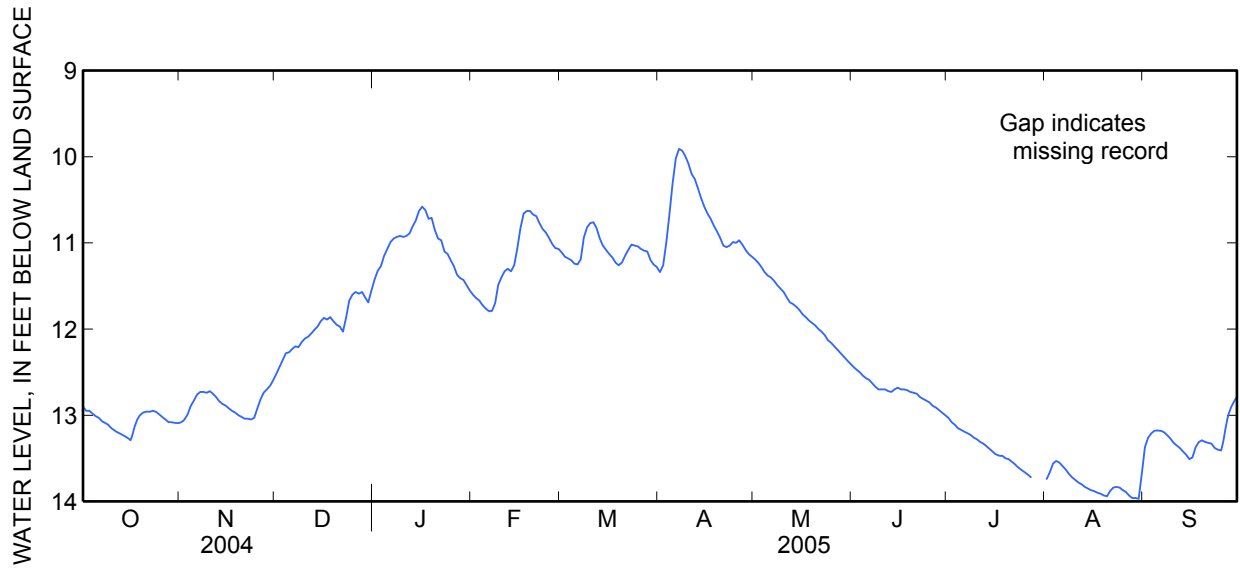
EXTREMES FOR CURRENT YEAR.--Highest water level, 9.88 ft below land surface datum, Apr 7; lowest water level, 13.98 ft below land surface datum, Aug 30, 31.

425704078360601 Local number E-1196 near Clarence, NY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	12.90	13.08	12.52	11.42	11.60	11.11	11.34	11.19	12.44	13.03	13.74	13.37
2	12.95	13.05	12.44	11.32	11.64	11.16	11.26	11.23	12.47	13.08	13.66	13.26
3	12.95	12.99	12.36	11.27	11.67	11.18	10.99	11.28	12.50	13.11	13.56	13.21
4	12.98	12.89	12.28	11.15	11.72	11.20	10.67	11.34	12.54	13.15	13.53	13.18
5	13.01	12.83	12.27	11.07	11.76	11.24	10.31	11.38	12.57	13.17	13.55	13.18
6	13.03	12.76	12.23	10.99	11.79	11.25	10.02	11.40	12.59	13.19	13.59	13.18
7	13.07	12.73	12.20	10.95	11.79	11.19	9.91	11.44	12.63	13.21	13.63	13.20
8	13.09	12.73	12.21	10.93	11.70	10.94	9.93	11.49	12.67	13.23	13.68	13.23
9	13.11	12.74	12.15	10.92	11.49	10.82	9.99	11.53	12.70	13.26	13.72	13.27
10	13.15	12.72	12.11	10.93	11.40	10.77	10.08	11.57	12.70	13.28	13.75	13.32
11	13.18	12.75	12.09	10.92	11.33	10.76	10.20	11.63	12.70	13.31	13.78	13.35
12	13.20	12.79	12.05	10.89	11.30	10.83	10.26	11.69	12.72	13.33	13.80	13.38
13	13.22	12.84	12.01	10.81	11.33	10.95	10.37	11.71	12.73	13.36	13.83	13.42
14	13.24	12.87	11.97	10.74	11.26	11.03	10.48	11.74	12.70	13.39	13.85	13.46
15	13.26	12.89	11.91	10.63	11.07	11.08	10.58	11.78	12.68	13.43	13.87	13.51
16	13.29	12.92	11.87	10.58	10.83	11.13	10.66	11.83	12.70	13.45	13.88	13.49
17	13.17	12.95	11.89	10.62	10.66	11.17	10.72	11.86	12.70	13.47	13.90	13.37
18	13.06	12.97	11.86	10.72	10.63	11.23	10.80	11.90	12.71	13.47	13.91	13.31
19	13.00	13.00	11.91	10.71	10.63	11.26	10.87	11.93	12.73	13.50	13.93	13.29
20	12.97	13.02	11.95	10.85	10.67	11.23	10.94	11.96	12.74	13.51	13.94	13.31
21	12.96	13.04	11.97	10.95	10.69	11.15	11.03	12.00	12.75	13.54	13.88	13.32
22	12.96	13.04	12.03	10.97	10.77	11.08	11.05	12.03	12.79	13.57	13.84	13.33
23	12.95	13.05	11.87	11.10	10.84	11.02	11.03	12.07	12.81	13.61	13.83	13.38
24	12.96	13.03	11.67	11.13	10.88	11.03	10.99	12.13	12.83	13.63	13.84	13.40
25	12.99	12.92	11.60	11.20	10.94	11.04	11.00	12.16	12.85	13.66	13.87	13.41
26	13.02	12.82	11.57	11.27	11.01	11.07	10.97	12.20	12.89	13.69	13.89	13.25
27	13.05	12.74	11.59	11.37	11.06	11.09	11.02	12.24	12.91	13.72	13.93	13.05
28	13.08	12.70	11.57	11.41	11.07	11.10	11.08	12.28	12.94	---	13.96	12.92
29	13.08	12.66	11.63	11.43	---	11.20	11.13	12.32	12.97	---	13.96	12.85
30	13.09	12.59	11.69	11.49	---	11.25	11.16	12.36	13.00	---	13.97	12.79
31	13.09	---	11.55	11.55	---	11.28	---	12.40	---	---	13.67	---
Mean	13.07	12.87	11.97	11.04	11.20	11.09	10.69	11.81	12.72	---	13.80	13.27
Max	13.29	13.08	12.52	11.55	11.79	11.28	11.34	12.40	13.00	---	13.97	13.51
Min	12.90	12.59	11.55	10.58	10.63	10.76	9.91	11.19	12.44	---	13.53	12.79

425704078360601 Local number E-1196 near Clarence, NY—Continued



Water-Data Report NY-2005

425913078085501 Local number Gs-190, at Batavia NY

Sand and gravel aquifers (glaciated regions)

Outwash

Genesee County, NY

LOCATION.--Lat 42°59'13", long 78°08'55" referenced to North American Datum of 1983, Genesee County, Hydrologic Unit 04120104, on Genesee County fairgrounds, east of Batavia.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 75 ft. Upper casing diameter 2 in; top of first opening 55 ft, bottom of last opening 75 ft.

WELL USE.--Observation well.

DATUM.--Land-surface datum is 890 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of pipe, 2.63 ft above land-surface datum.

PERIOD OF RECORD.--September 1997 to current year. Records for September 1997 to September 2002 are unpublished and in the files of the U.S. Geological Survey.

GAGE.--Electronic data logger--hourly; monthly measurements by USGS personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.90 ft below land-surface datum, Apr. 10, 2005; lowest measured, 39.82 ft below land-surface datum, Feb. 11, 2000.

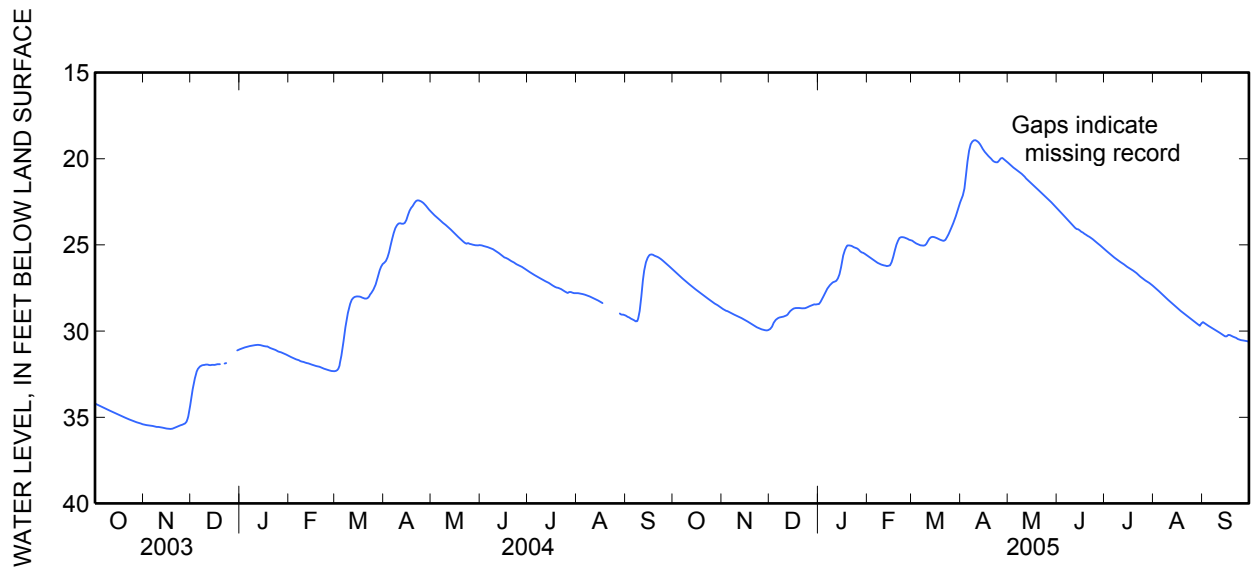
EXTREMES FOR CURRENT YEAR.--Highest water level, 18.90 ft below land surface datum, Apr 10; lowest water level, 30.63 ft below land surface datum, Sep 30.

425913078085501 Local number Gs-190, at Batavia NY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	26.47	28.70	29.88	28.43	25.65	24.75	22.38	20.26	22.92	25.26	27.42	29.48
2	26.55	28.75	29.80	28.30	25.71	24.82	22.12	20.34	23.02	25.35	27.51	29.52
3	26.64	28.82	29.59	28.13	25.76	24.88	21.72	20.42	23.11	25.44	27.59	29.60
4	26.71	28.84	29.42	27.96	25.84	24.93	21.00	20.51	23.21	25.52	27.68	29.67
5	26.81	28.89	29.32	27.78	25.91	24.98	20.16	20.59	23.30	25.59	27.76	29.73
6	26.89	28.93	29.26	27.57	25.98	25.01	19.53	20.64	23.39	25.67	27.85	29.79
7	26.98	28.97	29.21	27.44	26.03	25.03	19.16	20.70	23.50	25.75	27.93	29.84
8	27.05	29.03	29.19	27.33	26.08	25.04	19.00	20.78	23.60	25.81	28.02	29.89
9	27.12	29.08	29.17	27.24	26.12	25.02	18.93	20.86	23.71	25.87	28.10	29.95
10	27.21	29.11	29.14	27.16	26.15	24.94	18.92	20.93	23.81	25.93	28.19	30.01
11	27.29	29.15	29.11	27.13	26.18	24.77	18.97	21.03	23.90	26.00	28.27	30.07
12	27.36	29.20	29.06	27.08	26.20	24.62	19.04	21.14	24.00	26.07	28.35	30.12
13	27.43	29.25	28.93	26.94	26.23	24.55	19.16	21.22	24.07	26.13	28.44	30.18
14	27.50	29.31	28.83	26.70	26.21	24.53	19.32	21.30	24.09	26.20	28.51	30.24
15	27.57	29.35	28.74	26.27	26.18	24.55	19.48	21.38	24.16	26.27	28.59	30.30
16	27.65	29.40	28.69	25.77	26.00	24.58	19.61	21.48	24.23	26.34	28.67	30.30
17	27.72	29.46	28.67	25.39	25.69	24.62	19.72	21.57	24.28	26.38	28.75	30.22
18	27.80	29.51	28.66	25.17	25.32	24.67	19.82	21.66	24.35	26.44	28.84	30.23
19	27.86	29.57	28.65	25.03	24.98	24.71	19.91	21.74	24.41	26.51	28.91	30.28
20	27.93	29.62	28.67	25.02	24.75	24.74	20.00	21.82	24.47	26.58	28.99	30.32
21	28.00	29.68	28.66	25.05	24.59	24.76	20.11	21.92	24.52	26.64	29.06	30.36
22	28.07	29.74	28.69	25.06	24.55	24.71	20.17	22.00	24.59	26.72	29.13	30.40
23	28.13	29.79	28.67	25.13	24.55	24.55	20.20	22.08	24.65	26.81	29.19	30.45
24	28.19	29.83	28.64	25.16	24.57	24.37	20.20	22.18	24.72	26.88	29.26	30.49
25	28.26	29.86	28.61	25.20	24.60	24.16	20.10	22.26	24.80	26.97	29.34	30.54
26	28.33	29.91	28.56	25.26	24.64	23.96	19.98	22.34	24.88	27.05	29.41	30.54
27	28.40	29.94	28.52	25.36	24.70	23.74	19.95	22.43	24.96	27.08	29.48	30.54
28	28.46	29.95	28.48	25.43	24.72	23.49	20.02	22.52	25.03	27.13	29.55	30.57
29	28.51	29.96	28.45	25.46	---	23.22	20.10	22.62	25.11	27.20	29.62	30.59
30	28.57	29.94	28.46	25.51	---	22.91	20.18	22.71	25.18	27.28	29.69	30.62
31	28.63	---	28.44	25.58	---	22.61	---	22.82	---	27.35	29.55	---
Mean	27.62	29.38	28.91	26.32	25.50	24.46	19.97	21.49	24.13	26.33	28.63	30.16
Max	28.63	29.96	29.88	28.43	26.23	25.04	22.38	22.82	25.18	27.35	29.69	30.62
Min	26.47	28.70	28.44	25.02	24.55	22.61	18.92	20.26	22.92	25.26	27.42	29.48

425913078085501 Local number Gs-190, at Batavia NY—Continued



Water-Data Report NY-2005

425833077503901 Local number Lv-330, Caledonia NY

Sand and gravel aquifers (glaciated regions)

Outwash

Livingston County, NY

LOCATION.--Lat 42°58'32.9", long 77°50'38.7" referenced to North American Datum of 1983, Livingston County, Hydrologic Unit 04130003, adjacent to Iroquois Road on the Caledonia Country Club, at Caledonia, NY.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 31.5 ft. Upper casing diameter 2 in; top of first opening 29.5 ft, bottom of last opening 31.5 ft. Cased to 31.5 ft (screen 29.5 to 31.5).

WELL USE.--Observation well.

DATUM.--Land-surface datum is 655 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of well casing, 2.94 ft above land-surface datum.

PERIOD OF RECORD.--March 2004 to current.

GAGE.--Electronic data recorder--hourly; monthly measurements by USGS personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 6.00 ft. below land-surface datum, Apr. 10, 11, 2005; lowest, 12.35 ft. below land-surface datum, Sep. 15, 16, 2005.

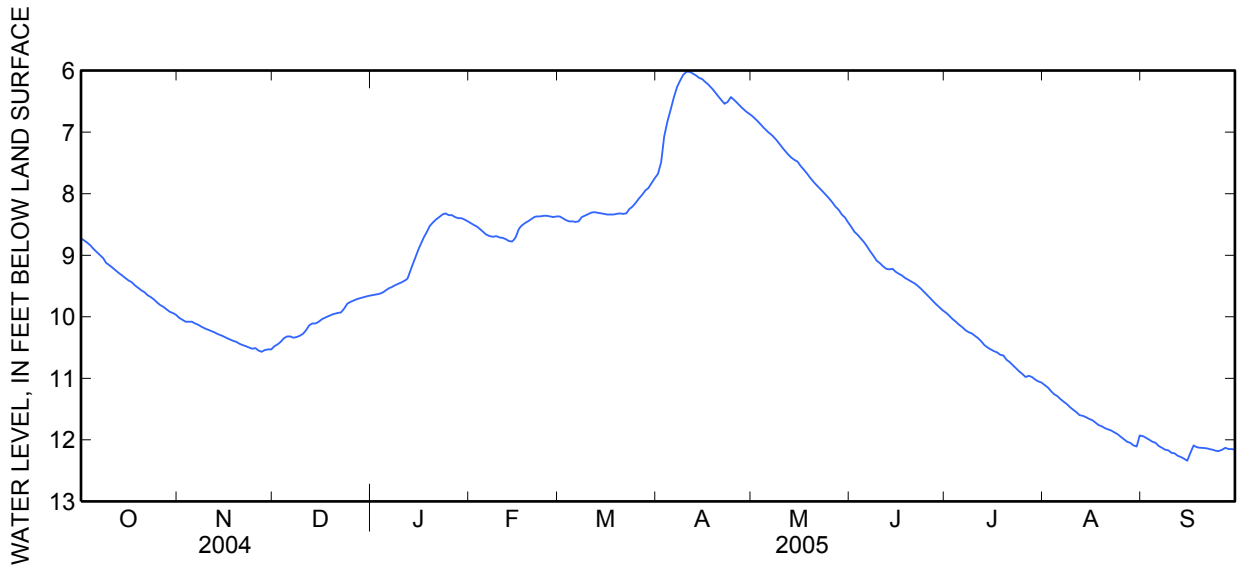
EXTREMES FOR CURRENT YEAR.--Highest water level, 6.00 ft below land surface datum, Apr. 10, 11; lowest water level, 12.35 ft below land surface datum, Sep. 15, 16.

425833077503901 Local number Lv-330, Caledonia NY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	8.73	10.02	10.48	9.65	8.48	8.37	7.68	6.75	8.54	9.94	11.11	11.94
2	8.76	10.05	10.45	9.64	8.51	8.40	7.49	6.80	8.62	9.99	11.15	11.97
3	8.80	10.08	10.41	9.63	8.54	8.43	7.07	6.85	8.67	10.04	11.21	12.00
4	8.84	10.08	10.35	9.61	8.58	8.45	6.83	6.91	8.73	10.08	11.26	12.03
5	8.90	10.08	10.32	9.58	8.63	8.45	6.64	6.96	8.79	10.13	11.29	12.05
6	8.95	10.11	10.32	9.54	8.67	8.46	6.44	7.01	8.86	10.17	11.34	12.10
7	9.00	10.13	10.34	9.52	8.69	8.45	6.27	7.05	8.94	10.22	11.38	12.13
8	9.05	10.16	10.33	9.49	8.70	8.38	6.16	7.11	9.01	10.25	11.42	12.16
9	9.13	10.19	10.31	9.47	8.69	8.36	6.07	7.17	9.09	10.27	11.47	12.17
10	9.16	10.21	10.28	9.44	8.71	8.33	6.02	7.23	9.13	10.31	11.51	12.21
11	9.21	10.23	10.22	9.42	8.72	8.31	6.02	7.30	9.18	10.35	11.55	12.22
12	9.25	10.25	10.14	9.38	8.74	8.30	6.05	7.36	9.22	10.40	11.60	12.26
13	9.29	10.28	10.11	9.24	8.77	8.31	6.08	7.41	9.23	10.46	11.61	12.28
14	9.33	10.30	10.11	9.10	8.78	8.32	6.12	7.45	9.22	10.50	11.63	12.31
15	9.37	10.32	10.08	8.97	8.72	8.33	6.14	7.48	9.27	10.53	11.66	12.34
16	9.41	10.35	10.04	8.84	8.59	8.34	6.19	7.55	9.30	10.56	11.68	12.21
17	9.44	10.37	10.02	8.72	8.52	8.34	6.23	7.61	9.33	10.58	11.72	12.09
18	9.49	10.39	9.99	8.63	8.48	8.34	6.29	7.67	9.37	10.62	11.76	12.12
19	9.53	10.41	9.97	8.53	8.45	8.33	6.35	7.74	9.40	10.63	11.78	12.13
20	9.57	10.44	9.95	8.47	8.42	8.32	6.41	7.80	9.43	10.70	11.81	12.13
21	9.60	10.46	9.94	8.42	8.38	8.33	6.48	7.86	9.46	10.74	11.83	12.14
22	9.65	10.48	9.93	8.38	8.37	8.32	6.54	7.91	9.50	10.79	11.85	12.15
23	9.68	10.50	9.87	8.34	8.37	8.25	6.51	7.97	9.55	10.84	11.88	12.16
24	9.72	10.52	9.79	8.32	8.36	8.21	6.43	8.02	9.60	10.89	11.91	12.18
25	9.77	10.51	9.76	8.35	8.36	8.15	6.47	8.08	9.65	10.93	11.95	12.18
26	9.81	10.55	9.73	8.35	8.37	8.08	6.53	8.14	9.70	10.98	11.99	12.16
27	9.84	10.57	9.72	8.38	8.38	8.02	6.58	8.21	9.76	10.96	12.03	12.13
28	9.88	10.54	9.70	8.40	8.37	7.95	6.63	8.26	9.81	10.98	12.05	12.15
29	9.92	10.53	9.68	8.40	---	7.91	6.67	8.34	9.86	11.02	12.09	12.15
30	9.94	10.53	9.67	8.42	---	7.83	6.71	8.39	9.90	11.05	12.11	12.16
31	9.97	---	9.66	8.45	---	7.75	---	8.47	---	11.07	11.93	---
Mean	9.39	10.32	10.05	8.94	8.55	8.26	6.47	7.58	9.27	10.55	11.66	12.15
Max	9.97	10.57	10.48	9.65	8.78	8.46	7.68	8.47	9.90	11.07	12.11	12.34
Min	8.73	10.02	9.66	8.32	8.36	7.75	6.02	6.75	8.54	9.94	11.11	11.94

425833077503901 Local number Lv-330, Caledonia NY—Continued



Water-Data Report NY-2005

430056075354102 Local number M-178, Valley Mills NY

Sand and gravel aquifers (glaciated regions)
Ice-contact Deposits
Madison County, NY

LOCATION.--Lat 43°00'56", long 75°35'41" referenced to North American Datum of 1927, Madison County, Hydrologic Unit 04140202, at Valley Mills.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 16 ft. Upper casing diameter 6 in; top of first opening 16 ft. Cased to 16 ft, open end.

WELL USE.--Observation well.

DATUM.--Land-surface datum is 573.76 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 3.08 ft above land-surface datum.

PERIOD OF RECORD.--April 1975 to August 1995, December 1996 to current year. Records for April 1975 to September 1976 are unpublished and available in files of the Geological Survey. April 1975 to May 1986, digital recorder at same site and datum. Weekly observer readings May 1986 to Dec. 1988. Electronic data recorder at same site and datum Dec. 1988 to Feb. 1991. Periodic measurements with chalked tape Feb. 1991 to Aug. 1995 and Oct. 1996 to Feb. 1997.

REVISED RECORDS.--WDR NY-91-3: 1990 water level; WDR NY-99-3: 1995 water level.

GAGE.--Electronic data recorder--15 minute; periodic measurements by USGS personnel.

REMARKS.--Well drilled April 1974 as a replacement for 430056075354101 (local number M 177), located 10 ft west, which had a period of record from October 1965 to September 1973 (unpublished). Satellite water-level telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.60 ft below land-surface datum, Mar. 5, 1979; lowest measured, 11.19 ft below land-surface datum, Sep. 27, 1995.

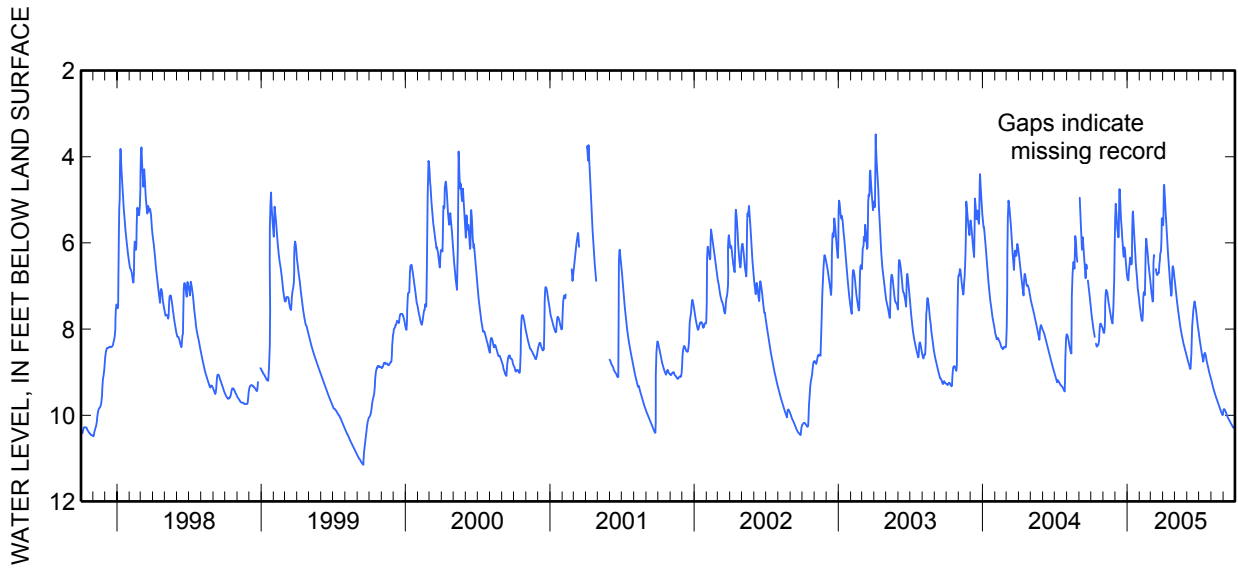
EXTREMES FOR CURRENT YEAR.--Highest water level, 4.59 ft below land surface datum, Apr. 3; lowest water level, 10.29 ft below land surface datum, Sep. 26, 29, 30.

430056075354102 Local number M-178, Valley Mills NY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	7.58	8.07	5.54	6.84	7.46	6.96	5.59	6.90	8.67	8.11	9.18	9.88
2	7.65	8.09	5.09	6.85	7.53	7.07	5.47	6.98	8.70	8.19	9.21	9.86
3	7.73	8.09	5.17	6.87	7.58	7.17	4.67	7.07	8.73	8.26	9.25	9.86
4	7.80	8.01	5.32	6.76	7.66	7.25	4.65	7.16	8.77	8.32	9.28	9.87
5	7.88	7.81	5.49	6.61	7.74	7.32	4.82	7.25	8.80	8.38	9.32	9.88
6	7.94	7.35	5.64	6.55	7.79	7.36	5.01	7.32	8.83	8.44	9.35	9.90
7	8.01	7.14	5.71	6.41	7.81	7.31	5.17	7.39	8.86	8.50	9.39	9.93
8	8.07	7.09	5.77	6.34	7.81	6.46	5.34	7.47	8.90	8.56	9.42	9.95
9	8.11	7.11	5.87	6.39	7.62	6.28	5.52	7.55	8.93	8.61	9.45	9.98
10	8.18	7.12	5.80	6.42	7.29	6.31	5.68	7.62	8.91	8.66	9.48	10.01
11	---	7.16	4.89	6.50	7.16	---	5.85	7.69	8.69	8.71	9.52	10.03
12	---	7.24	4.75	6.43	7.14	---	6.01	7.77	8.56	8.76	9.55	10.05
13	8.34	7.31	4.90	5.73	7.21	---	6.15	7.84	8.15	8.69	9.57	10.07
14	8.37	7.38	5.14	5.31	7.21	6.61	6.30	7.88	7.93	8.60	9.60	10.08
15	8.41	7.44	5.35	5.27	6.90	6.68	6.45	7.95	7.75	8.57	9.63	10.10
16	8.39	7.49	5.49	5.43	6.23	6.72	6.58	8.01	7.67	8.55	9.65	10.12
17	8.38	7.55	5.64	5.62	5.90	6.75	6.69	8.07	7.56	8.57	9.68	10.14
18	8.38	7.61	5.78	5.85	5.92	6.74	6.81	8.12	7.46	8.61	9.71	10.16
19	8.37	7.67	5.90	5.97	6.03	6.72	6.92	8.16	7.38	8.65	9.73	10.17
20	8.32	7.72	6.04	6.15	6.14	6.69	7.03	8.21	7.36	8.71	9.76	10.19
21	8.26	7.75	6.17	6.33	6.21	6.70	7.14	8.25	7.39	8.75	9.78	10.21
22	8.08	7.81	6.31	6.42	6.34	6.62	7.23	8.30	7.45	8.79	9.81	10.22
23	7.94	7.83	6.32	6.58	6.46	6.49	7.17	8.34	7.53	8.84	9.84	10.24
24	7.88	7.87	6.10	6.68	6.55	6.40	6.86	8.38	7.60	8.88	9.86	10.26
25	7.87	7.79	6.15	6.79	6.64	6.26	6.57	8.42	7.68	8.91	9.89	10.27
26	7.89	7.52	6.21	6.90	6.74	6.21	6.54	8.45	7.76	8.96	9.91	10.29
27	7.91	7.37	6.35	7.06	6.84	6.19	6.57	8.49	7.84	9.00	9.94	10.27
28	7.94	6.88	6.45	7.15	6.90	5.91	6.65	8.53	7.91	9.04	9.97	10.27
29	7.96	6.04	6.56	7.20	---	5.43	6.73	8.56	7.98	9.07	9.99	10.28
30	7.98	5.94	6.71	7.29	---	5.43	6.81	8.60	8.05	9.11	10.00	10.29
31	8.03	---	6.77	7.38	---	5.49	---	8.63	---	9.15	9.96	---
Mean	---	7.44	5.79	6.45	6.96	---	6.17	7.91	8.13	8.68	9.63	10.09
Max	---	8.09	6.77	7.38	7.81	---	7.23	8.63	8.93	9.15	10.00	10.29
Min	---	5.94	4.75	5.27	5.90	---	4.65	6.90	7.36	8.11	9.18	9.86

430056075354102 Local number M-178, Valley Mills NY—Continued



Water-Data Report NY-2005

430252077283402 Local number Mo-11, Powder Mill Park

Sand and gravel aquifers (glaciated regions)

Alluvium

Monroe County, NY

LOCATION.--Lat 43°02'50", long 77°28'35" referenced to North American Datum of 1927, Monroe County, Hydrologic Unit 04140101, next to intermittent stream south of Park Road, northeast of fish hatchery ponds at Powder Mill Park near Bushnell Basin.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 16 ft. Upper casing diameter 2 in; top of first opening 6 ft, bottom of last opening 16 ft.

WELL USE.--Observation well.

DATUM.--Land-surface datum is 448.66 ft above National Geodetic Vertical Datum of 1929. Measuring point: File marks in top of pvc pipe, 2.96 ft above land-surface datum.

PERIOD OF RECORD.--December 1983 to September 1993 and December 2003 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 6.72 ft below land-surface datum, Apr. 3, 2005; lowest measured, 10.42 ft below land-surface datum, Sep. 12, 1988.

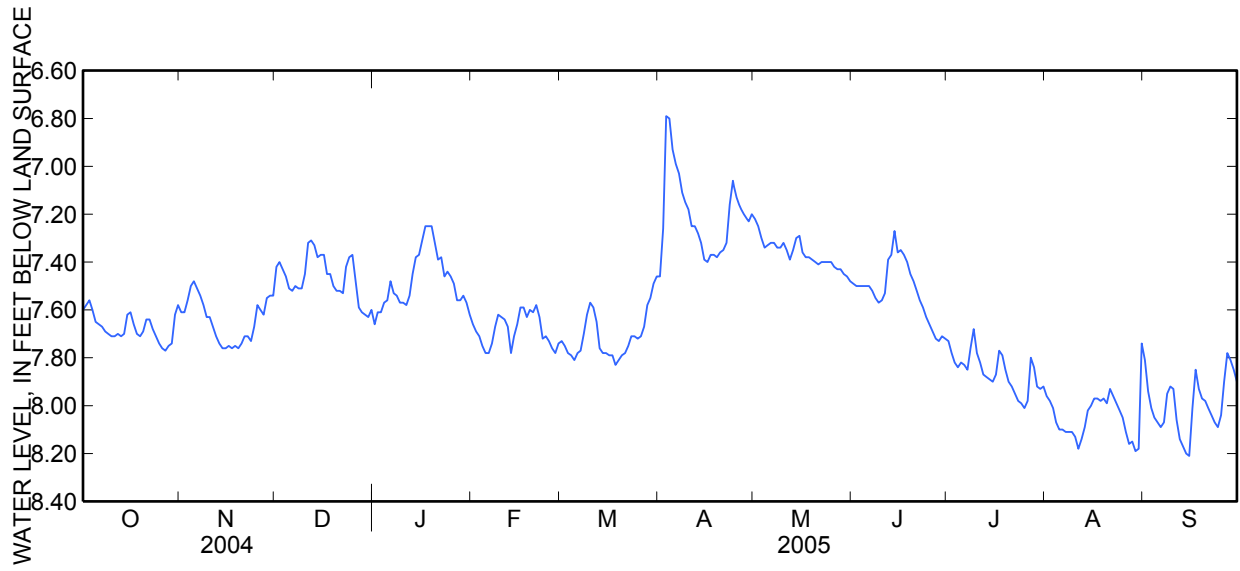
EXTREMES FOR CURRENT YEAR.--Highest water level, 6.72 ft below land surface datum, Apr. 3; lowest water level, 8.24 ft below land surface datum, Aug. 11, 27.

430252077283402 Local number Mo-11, Powder Mill Park—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	7.60	7.61	7.42	7.66	7.66	7.73	7.46	7.22	7.49	7.73	7.96	7.81
2	7.58	7.61	7.40	7.61	7.69	7.75	7.26	7.25	7.50	7.78	7.98	7.94
3	7.56	7.56	7.43	7.61	7.71	7.78	6.79	7.30	7.50	7.82	8.01	8.01
4	7.60	7.50	7.46	7.57	7.75	7.79	6.80	7.34	7.50	7.84	8.07	8.05
5	7.65	7.48	7.51	7.56	7.78	7.81	6.93	7.33	7.50	7.82	8.10	8.07
6	7.66	7.51	7.52	7.48	7.78	7.78	6.99	7.32	7.50	7.83	8.10	8.09
7	7.67	7.54	7.50	7.53	7.74	7.77	7.03	7.32	7.52	7.85	8.11	8.07
8	7.69	7.58	7.51	7.54	7.67	7.70	7.11	7.34	7.55	7.76	8.11	7.95
9	7.70	7.63	7.51	7.57	7.62	7.62	7.15	7.34	7.57	7.68	8.11	7.92
10	7.71	7.63	7.45	7.57	7.63	7.57	7.18	7.32	7.56	7.78	8.13	7.93
11	7.71	7.67	7.32	7.58	7.64	7.59	7.25	7.35	7.53	7.82	8.18	8.06
12	7.70	7.71	7.31	7.54	7.67	7.65	7.25	7.39	7.39	7.87	8.14	8.14
13	7.71	7.74	7.33	7.45	7.78	7.76	7.28	7.35	7.37	7.88	8.09	8.17
14	7.70	7.76	7.38	7.38	7.71	7.78	7.32	7.30	7.27	7.89	8.02	8.20
15	7.62	7.76	7.37	7.37	7.66	7.78	7.39	7.29	7.36	7.90	8.00	8.21
16	7.61	7.75	7.37	7.31	7.59	7.79	7.40	7.36	7.35	7.87	7.97	8.01
17	7.66	7.76	7.45	7.25	7.59	7.79	7.37	7.38	7.37	7.77	7.97	7.85
18	7.70	7.75	7.45	7.25	7.63	7.83	7.37	7.38	7.40	7.79	7.98	7.93
19	7.71	7.76	7.50	7.25	7.60	7.81	7.38	7.39	7.45	7.85	7.97	7.97
20	7.69	7.74	7.52	7.32	7.61	7.79	7.36	7.40	7.48	7.90	7.99	7.98
21	7.64	7.71	7.52	7.39	7.58	7.78	7.35	7.41	7.52	7.92	7.93	8.01
22	7.64	7.71	7.53	7.38	7.63	7.75	7.32	7.40	7.56	7.95	7.96	8.04
23	7.68	7.73	7.42	7.46	7.72	7.71	7.16	7.40	7.59	7.98	7.99	8.07
24	7.71	7.67	7.38	7.44	7.71	7.71	7.06	7.40	7.63	7.99	8.02	8.09
25	7.74	7.58	7.37	7.46	7.73	7.72	7.12	7.40	7.66	8.01	8.05	8.04
26	7.76	7.60	7.48	7.49	7.76	7.71	7.16	7.42	7.69	7.98	8.11	7.90
27	7.77	7.62	7.59	7.56	7.78	7.67	7.19	7.43	7.72	7.80	8.16	7.78
28	7.75	7.55	7.61	7.56	7.74	7.58	7.21	7.43	7.73	7.84	8.15	7.81
29	7.74	7.54	7.62	7.54	---	7.55	7.23	7.45	7.71	7.92	8.19	7.85
30	7.62	7.54	7.63	7.57	---	7.49	7.20	7.46	7.72	7.93	8.18	7.90
31	7.58	---	7.60	7.62	---	7.46	---	7.48	---	7.92	7.74	---
Mean	7.67	7.64	7.47	7.48	7.68	7.71	7.20	7.37	7.52	7.86	8.05	8.00
Max	7.77	7.76	7.63	7.66	7.78	7.83	7.46	7.48	7.73	8.01	8.19	8.21
Min	7.56	7.48	7.31	7.25	7.58	7.46	6.79	7.22	7.27	7.68	7.74	7.78

430252077283402 Local number Mo-11, Powder Mill Park—Continued



Water-Data Report NY-2005

431308078544501 Local number Ni-70, near Ransomville NY

Sand and gravel aquifers (glaciated regions)

Lake Deposits

Niagara County, NY

LOCATION.--Lat 43°13'08", long 78°54'45" referenced to North American Datum of 1927, Niagara County, Hydrologic Unit 04130001, 1.4 mi south of the intersection of Rt. 93 and Ransomville Road.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 24 ft. Upper casing diameter undefined; top of first opening 24 ft. Cased to 25 ft, open end.

WELL USE.--Observation well.

DATUM.--Land-surface datum is 336.66 ft above National Geodetic Vertical Datum of 1929. Measuring point: File mark on top of shelf, 3.44 ft above land-surface datum.

PERIOD OF RECORD.--August 1972 to September 1997 and October 2004 to September 2005. Records for August 1972 to September 1976 are unpublished and available in files of the U.S. Geological Survey.

REVISED RECORDS.--WDR NY-97-3: 1983 to 1991 water level.

GAGE.--Water-stage recorder--15-minute; periodic measurements made by USGS personnel.

REMARKS.--Satellite water-level telemeter at station.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 0.44 ft below land-surface datum, Apr. 3, 2005; lowest, 13.88 ft below land-surface datum, Dec. 21, 1991.

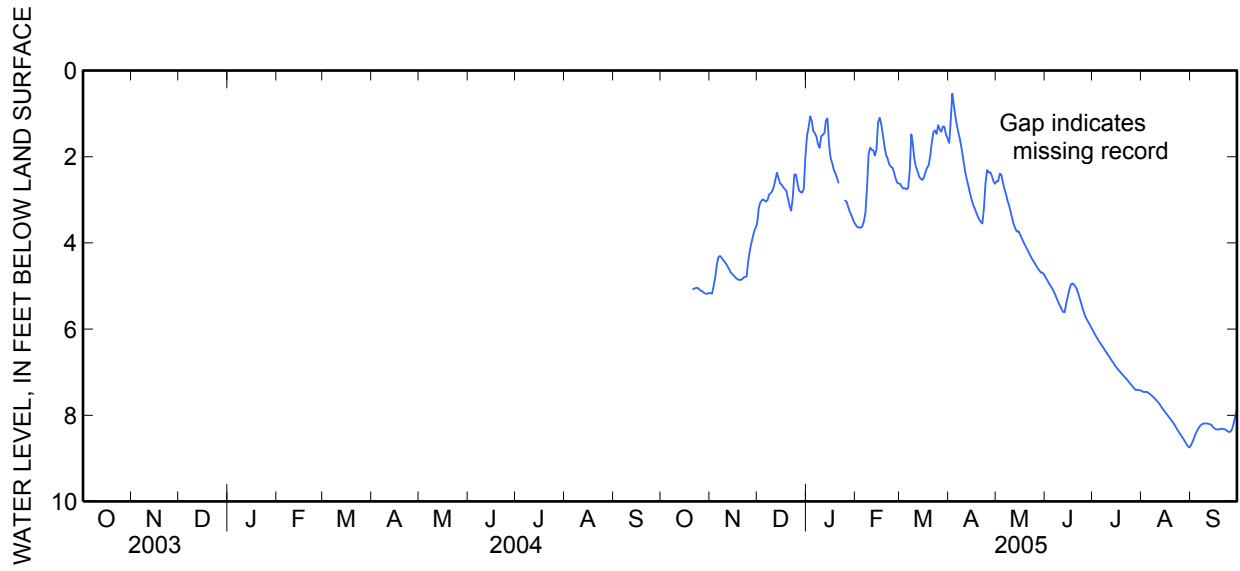
EXTREMES FOR CURRENT YEAR.--Highest water level, 0.44 ft below land surface datum, Apr. 3; lowest water level, 8.75 ft below land surface datum, Aug. 30, 31.

431308078544501 Local number Ni-70, near Ransomville NY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	5.17	3.39	1.51	3.59	2.63	1.68	2.57	4.80	6.03	7.44	8.70
2	---	5.17	3.12	1.32	3.64	2.70	1.13	2.57	4.86	6.11	7.46	8.61
3	---	4.99	3.03	1.06	3.64	2.74	0.54	2.39	4.93	6.18	7.46	8.51
4	---	4.78	2.99	1.17	3.65	2.73	0.81	2.43	4.99	6.24	7.46	8.42
5	---	4.49	3.01	1.40	3.62	2.76	1.08	2.61	5.05	6.29	7.48	8.35
6	---	4.33	3.04	1.45	3.51	2.72	1.30	2.75	5.12	6.35	7.51	8.29
7	---	4.30	3.01	1.53	3.31	2.34	1.47	2.87	5.20	6.41	7.54	8.24
8	---	4.34	2.88	1.71	2.73	1.48	1.64	3.03	5.29	6.46	7.57	8.21
9	---	4.40	2.84	1.79	1.94	1.72	1.86	3.17	5.37	6.52	7.61	8.19
10	---	4.44	2.80	1.52	1.79	2.05	2.08	3.29	5.45	6.57	7.65	8.19
11	---	4.49	2.70	1.49	1.84	2.24	2.32	3.43	5.53	6.63	7.69	8.19
12	---	4.56	2.54	1.45	1.85	2.34	2.50	3.59	5.60	6.68	7.74	8.20
13	---	4.63	2.37	1.16	1.97	2.46	2.66	3.70	5.61	6.74	7.79	8.21
14	---	4.69	2.49	1.11	1.84	2.51	2.82	3.74	5.41	6.79	7.84	8.23
15	---	4.73	2.62	1.72	1.21	2.54	2.97	3.73	5.24	6.85	7.90	8.28
16	---	4.77	2.65	2.04	1.10	2.48	3.10	3.81	5.10	6.91	7.95	8.31
17	---	4.81	2.71	2.15	1.24	2.36	3.19	3.90	4.97	6.95	7.99	8.33
18	---	4.84	2.75	2.31	1.49	2.26	3.29	3.98	4.94	6.99	8.04	8.33
19	---	4.86	2.79	2.39	1.75	2.20	3.38	4.05	4.97	7.02	8.09	8.33
20	---	4.86	2.97	2.50	1.96	1.99	3.46	4.13	5.02	7.07	8.14	8.31
21	5.07	4.84	3.14	2.60	2.03	1.67	3.50	4.21	5.10	7.11	8.19	8.32
22	5.06	4.80	3.25	---	2.17	1.43	3.55	4.28	5.22	7.15	8.25	8.32
23	5.04	4.79	2.95	---	2.23	1.39	3.19	4.35	5.35	7.20	8.31	8.34
24	5.05	4.77	2.41	---	2.25	1.47	2.60	4.41	5.47	7.25	8.37	8.37
25	5.08	4.41	2.41	3.02	2.35	1.27	2.31	4.46	5.59	7.29	8.43	8.39
26	5.11	4.12	2.62	3.04	2.49	1.37	2.37	4.52	5.69	7.33	8.49	8.38
27	5.13	3.98	2.78	3.15	2.60	1.42	2.36	4.59	5.77	7.38	8.54	8.32
28	5.16	3.84	2.82	3.26	2.62	1.30	2.44	4.64	5.84	7.41	8.60	8.18
29	5.18	3.68	2.83	3.35	---	1.31	2.56	4.69	5.91	7.41	8.66	8.03
30	5.18	3.60	2.74	3.44	---	1.49	2.63	4.69	5.97	7.42	8.72	7.85
31	5.16	---	2.00	3.53	---	1.58	---	4.73	---	7.42	8.75	---
Mean	---	4.55	2.80	---	2.37	2.03	2.36	3.72	5.31	6.84	7.99	8.30
Max	---	5.17	3.39	---	3.65	2.76	3.55	4.73	5.97	7.42	8.75	8.70
Min	---	3.60	2.00	---	1.10	1.27	0.54	2.39	4.80	6.03	7.44	7.85

431308078544501 Local number Ni-70, near Ransomville NY—Continued



Water-Data Report NY-2005

430739078502701 Local number Ni-869, at Shawnee NY

New York and New England carbonate-rock aquifers
Lockport Dolomite
Niagara County, NY

LOCATION.--Lat 43°07'39", long 78°50'27" referenced to North American Datum of 1927, Niagara County, Hydrologic Unit 04120104, behind fire station at Shawnee, NY.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 36.7 ft. Upper casing diameter 4 in; top of first opening 12 ft, bottom of last opening 36.7 ft. Cased to 36.7 ft (screen, 12 ft to 36.7 ft).

WELL USE.--Observation well.

DATUM.--Land-surface datum is 619.44 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of well casing, 2.94 ft above land-surface datum.

PERIOD OF RECORD.--August 2003 to current year.

GAGE.—Water-stage recorder--15 minute; monthly measurements by USGS personnel.

REMARKS.--Satellite water-level telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.72 ft above land-surface datum, July 31, 2004; lowest, 5.74 ft below land-surface datum, Sep. 21, 2003.

EXTREMES FOR CURRENT YEAR.--Highest water level, 0.44 ft above land surface datum, Jan. 2; lowest water level, 5.15 ft below land surface datum, Aug. 30.

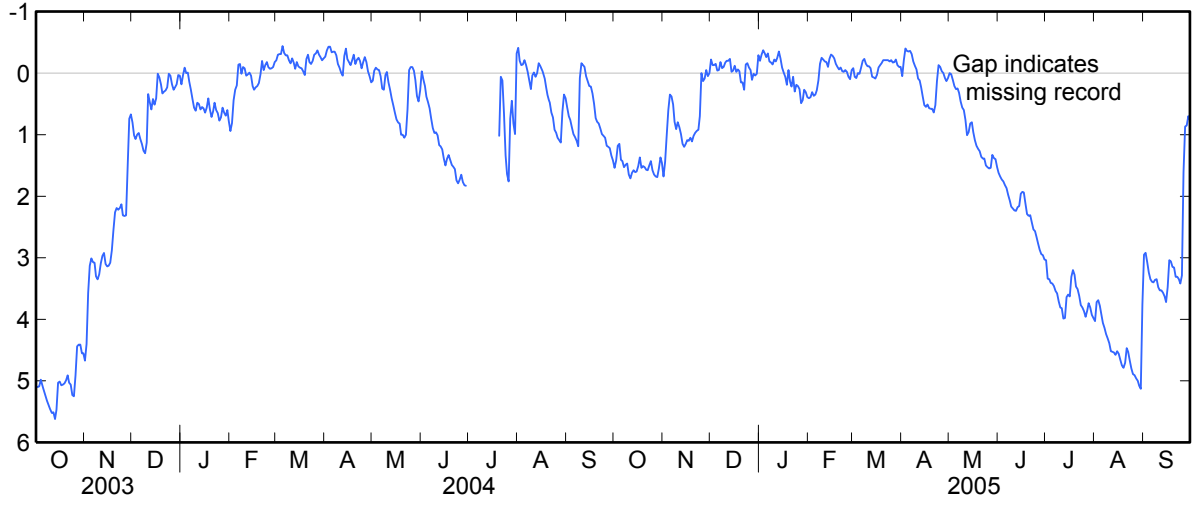
430739078502701 Local number Ni-869, at Shawnee NY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.54	1.68	-0.22	-0.20	0.41	-0.08	0.05	0.00	1.62	3.04	4.03	2.95
2	1.42	1.44	-0.13	-0.30	0.39	0.06	-0.21	0.02	1.68	3.34	3.72	2.92
3	1.18	1.01	-0.13	-0.37	0.31	0.08	-0.40	0.11	1.73	3.35	3.69	3.07
4	1.15	0.60	-0.15	-0.32	0.37	0.00	-0.36	0.21	1.76	3.41	3.78	3.24
5	1.41	0.35	-0.04	-0.26	0.35	0.01	-0.35	0.26	1.82	3.42	3.93	3.35
6	1.43	0.38	-0.05	-0.32	0.28	-0.09	-0.36	0.25	1.87	3.46	4.06	3.39
7	1.53	0.51	-0.18	-0.19	0.12	-0.20	-0.31	0.32	1.98	3.54	4.14	3.40
8	1.49	0.79	-0.08	-0.17	-0.15	-0.23	-0.19	0.46	2.07	3.58	4.24	3.36
9	1.47	0.91	-0.10	-0.14	-0.25	-0.15	-0.12	0.56	2.17	3.71	4.31	3.35
10	1.65	0.80	-0.17	-0.22	-0.22	-0.11	-0.06	0.60	2.20	3.81	4.39	3.48
11	1.71	0.88	-0.20	-0.19	-0.19	-0.11	0.09	0.76	2.23	3.82	4.52	3.53
12	1.62	0.99	-0.20	-0.25	-0.18	-0.08	0.12	1.01	2.24	3.99	4.53	3.53
13	1.58	1.15	-0.23	-0.35	-0.10	0.06	0.23	0.96	2.18	3.98	4.54	3.57
14	1.61	1.20	-0.02	-0.24	-0.23	0.07	0.38	0.82	2.16	3.64	4.58	3.63
15	1.60	1.15	-0.04	-0.09	-0.30	0.09	0.52	0.80	1.96	3.60	4.52	3.72
16	1.51	1.09	-0.12	-0.01	-0.28	0.03	0.55	0.96	1.93	3.63	4.56	3.48
17	1.37	1.10	-0.02	0.06	-0.24	-0.09	0.51	1.09	1.94	3.31	4.66	3.04
18	1.54	1.05	-0.06	0.19	-0.15	-0.13	0.57	1.18	2.12	3.20	4.75	3.06
19	1.51	1.11	-0.03	-0.05	-0.10	-0.16	0.58	1.23	2.29	3.28	4.79	3.15
20	1.53	1.02	0.15	0.14	-0.06	-0.21	0.58	1.27	2.32	3.47	4.71	3.16
21	1.57	0.97	0.15	0.22	-0.09	-0.21	0.64	1.36	2.31	3.51	4.47	3.31
22	1.58	0.94	0.27	0.06	-0.03	-0.21	0.52	1.39	2.43	3.62	4.53	3.31
23	1.50	0.92	-0.14	0.30	-0.02	-0.21	0.13	1.39	2.54	3.77	4.67	3.35
24	1.43	0.70	-0.16	0.19	-0.05	-0.19	-0.13	1.50	2.57	3.81	4.80	3.42
25	1.58	0.00	-0.09	0.21	-0.02	-0.21	-0.10	1.53	2.66	3.87	4.89	3.29
26	1.65	0.13	-0.05	0.26	0.06	-0.17	-0.03	1.55	2.77	3.96	4.91	1.61
27	1.68	0.09	0.11	0.49	0.10	-0.18	0.00	1.54	2.87	3.86	4.96	0.87
28	1.69	-0.05	0.01	0.44	-0.05	-0.22	0.08	1.33	2.94	3.74	5.00	0.85
29	1.55	0.05	0.04	0.27	---	-0.13	0.13	1.38	2.96	3.81	5.08	0.70
30	1.37	0.00	0.01	0.31	---	-0.10	0.08	1.40	3.03	3.93	5.13	0.76
31	1.46	---	-0.29	0.39	---	-0.10	---	1.53	---	3.98	3.76	---
Mean	1.51	0.77	-0.07	0.00	-0.01	-0.10	0.10	0.93	2.25	3.63	4.47	2.93
Max	1.71	1.68	0.27	0.49	0.41	0.09	0.64	1.55	3.03	3.99	5.13	3.72
Min	1.15	-0.05	-0.29	-0.37	-0.30	-0.23	-0.40	0.00	1.62	3.04	3.69	0.70

430739078502701 Local number Ni-869, at Shawnee NY—Continued

WATER LEVEL, IN FEET BELOW LAND SURFACE



Water-Data Report NY-2005

430243076180401 Local number Od-1825, Camillus NY

Sand and gravel aquifers (glaciated regions)

Lake Deposits

Onondaga County, NY

LOCATION.--Lat 43°02'43", long 76°18'04" referenced to North American Datum of 1927, Onondaga County, Hydrologic Unit 04140201, behind Town of Camillus DPW buildings, near Camillus, NY.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 160 ft. Upper casing diameter 1 in; top of first opening 140 ft, bottom of last opening 160 ft. Cased to 160 ft (screen, 140 ft to 160 ft).

WELL USE.--Test hole.

DATUM.--Land-surface datum is 408 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: file marks on pvc pipe, 2.90 ft above land-surface datum.

PERIOD OF RECORD.--October 2004 to September 2005.

GAGE.--Water-stage recorder--hourly; monthly measurements by USGS personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.36 ft below land-surface datum, Apr. 3, 2005; lowest, 13.85 ft below land-surface datum, Aug. 28, 29, 2005.

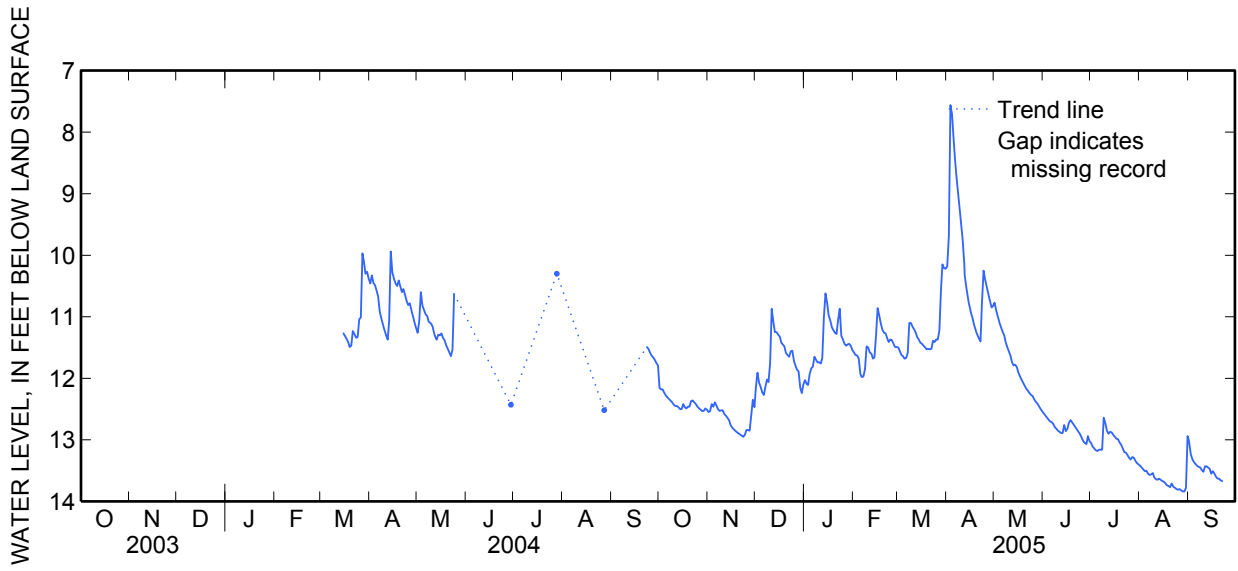
EXTREMES FOR CURRENT YEAR.--Highest water level, 7.36 ft below land surface datum, Apr 3; lowest water level, 13.85 ft below land surface datum, Aug 28, 29.

430243076180401 Local number Od-1825, Camillus NY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	12.16	12.55	12.15	12.03	11.58	11.50	10.18	10.77	12.57	13.05	13.42	13.04
2	12.18	12.53	11.91	12.09	11.62	11.56	9.69	10.89	12.61	13.11	13.45	13.23
3	12.18	12.42	12.07	12.11	11.63	11.62	7.56	11.00	12.63	13.14	13.48	13.31
4	12.23	12.46	12.14	11.93	11.68	11.64	7.71	11.09	12.67	13.17	13.51	13.36
5	12.28	12.39	12.23	11.84	11.93	11.68	8.08	11.17	12.70	13.18	13.50	13.39
6	12.31	12.44	12.27	11.81	11.98	11.67	8.46	11.24	12.71	13.16	13.55	13.42
7	12.34	12.50	12.13	11.65	11.97	11.59	8.76	11.30	12.74	13.16	13.57	13.44
8	12.36	12.53	12.02	11.70	11.85	11.10	9.00	11.42	12.79	13.16	13.56	13.45
9	12.39	12.52	12.06	11.74	11.48	11.10	9.29	11.50	12.82	12.64	13.54	13.49
10	12.43	12.52	11.75	11.74	11.50	11.16	9.55	11.56	12.85	12.73	13.61	13.52
11	12.45	12.58	10.87	11.76	11.58	11.20	9.82	11.63	12.87	12.85	13.64	13.43
12	12.45	12.61	11.08	11.67	11.60	11.25	10.32	11.74	12.89	12.90	13.65	13.43
13	12.47	12.64	11.25	11.01	11.68	11.33	10.52	11.79	12.89	12.87	13.63	13.45
14	12.50	12.68	11.25	10.62	11.66	11.37	10.67	11.78	12.76	12.88	13.65	13.47
15	12.50	12.76	11.29	10.77	11.30	11.42	10.82	11.82	12.86	12.92	13.67	13.55
16	12.42	12.80	11.32	10.98	10.86	11.44	10.93	11.91	12.82	12.95	13.68	13.51
17	12.47	12.83	11.42	11.06	10.98	11.47	11.02	11.97	12.72	12.98	13.71	13.55
18	12.49	12.85	11.45	11.17	11.11	11.50	11.13	12.02	12.68	12.99	13.74	13.60
19	12.46	12.88	11.48	11.22	11.21	11.53	11.22	12.07	12.72	13.04	13.75	13.63
20	12.46	12.90	11.59	11.26	11.26	11.52	11.30	12.12	12.75	13.08	13.77	13.63
21	12.37	12.91	11.62	11.28	11.27	11.53	11.34	12.17	12.79	13.14	13.71	13.66
22	12.36	12.93	11.65	11.05	11.35	11.52	11.40	12.20	12.83	13.20	13.76	13.67
23	12.39	12.95	11.56	10.87	11.41	11.39	10.77	12.24	12.87	13.21	13.78	---
24	12.42	12.92	11.55	11.31	11.37	11.41	10.25	12.27	12.91	13.25	13.80	---
25	12.46	12.84	11.72	11.37	11.38	11.37	10.39	12.29	12.96	13.29	13.81	---
26	12.49	12.84	11.79	11.44	11.44	11.37	10.53	12.34	13.02	13.32	13.80	---
27	12.51	12.85	11.86	11.47	11.49	11.22	10.62	12.38	13.05	13.28	13.82	---
28	12.53	12.60	11.89	11.45	11.49	10.55	10.75	12.41	13.07	13.29	13.84	---
29	12.53	12.35	12.15	11.44	---	10.15	10.85	12.45	12.94	13.34	13.84	---
30	12.49	12.47	12.24	11.47	---	10.21	10.82	12.49	13.02	13.38	13.78	---
31	12.51	---	12.10	11.54	---	10.22	---	12.54	---	13.40	12.94	---
Mean	12.41	12.67	11.74	11.45	11.49	11.28	10.12	11.82	12.82	13.10	13.64	---
Max	12.53	12.95	12.27	12.11	11.98	11.68	11.40	12.54	13.07	13.40	13.84	---
Min	12.16	12.35	10.87	10.62	10.86	10.15	7.56	10.77	12.57	12.64	12.94	---

430243076180401 Local number Od-1825, Camillus NY—Continued



Water-Data Report NY-2005

430243076180402 Local number Od-1833, Camillus NY

New York Clastic-rock Aquifers
Camillus Shale
Onondaga County, NY

LOCATION.--Lat 43°02'43", long 76°18'04" referenced to North American Datum of 1927, Onondaga County, Hydrologic Unit 04140201, behind Town of Camillus Department of Public Works buildings, near Camillus.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 210 ft. Upper casing diameter 2 in; top of first opening 200 ft, bottom of last opening 210 ft. Cased to 210 ft (screen, 200 ft to 210 ft).

WELL USE.--Test hole.

DATUM.--Land-surface datum is 408 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of pvc pipe, 3.05 ft above land-surface datum.

PERIOD OF RECORD.--January 2004 to current year.

GAGE.--Water-stage recorder--hourly; monthly measurements by USGS personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 9.81 ft below land-surface datum, Apr. 4, 2005; lowest, 15.35 ft below land-surface datum, Aug. 29, 2005.

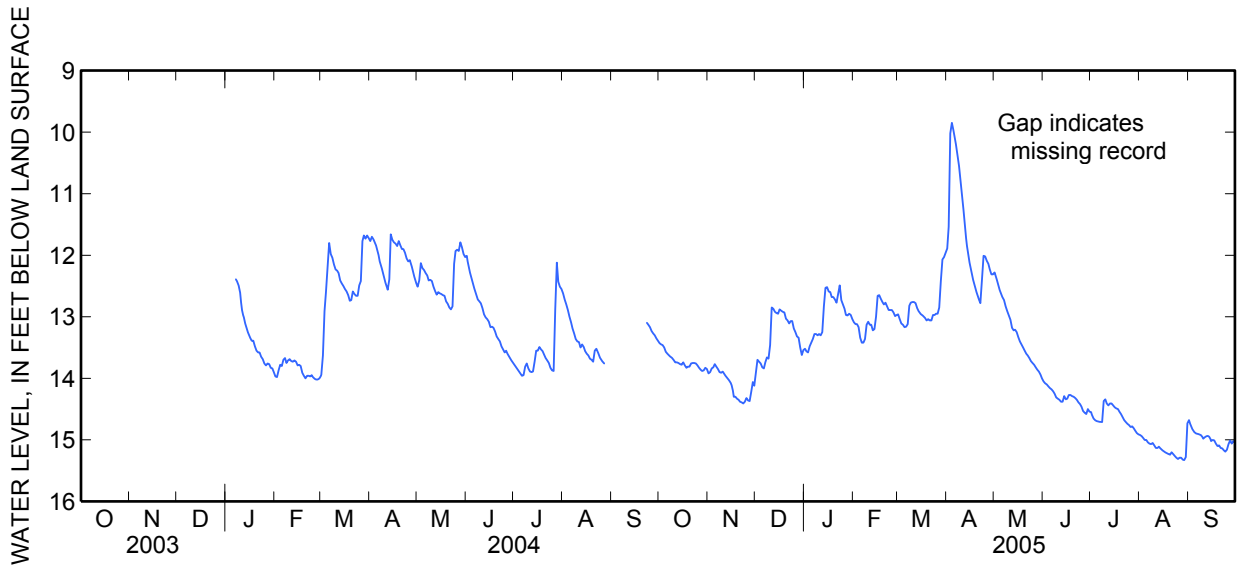
EXTREMES FOR CURRENT YEAR.--Highest water level, 9.81 ft below land surface datum, Apr 4; lowest water level, 15.35 ft below land surface datum, Aug 29.

430243076180402 Local number Od-1833, Camillus NY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	13.43	13.92	13.91	13.52	13.09	12.96	11.89	12.28	14.05	14.55	14.92	14.68
2	13.45	13.90	13.70	13.56	13.12	13.04	11.54	12.37	14.08	14.62	14.94	14.76
3	13.46	13.84	13.73	13.58	13.12	13.11	10.02	12.45	14.10	14.66	14.97	14.82
4	13.50	13.82	13.76	13.48	13.17	13.13	9.85	12.55	14.13	14.69	15.00	14.86
5	13.57	13.77	13.82	13.42	13.34	13.17	9.96	12.63	14.16	14.70	15.00	14.89
6	13.60	13.81	13.84	13.36	13.42	13.16	10.12	12.67	14.18	14.70	15.04	14.90
7	13.63	13.85	13.74	13.28	13.42	13.12	10.28	12.73	14.21	14.71	15.06	14.91
8	13.65	13.90	13.66	13.28	13.36	12.82	10.47	12.83	14.25	14.71	15.07	14.91
9	13.67	13.91	13.68	13.30	13.13	12.77	10.69	12.91	14.31	14.37	15.05	14.94
10	13.71	13.89	13.46	13.28	13.08	12.76	10.90	12.98	14.33	14.34	15.09	14.98
11	13.74	13.93	12.85	13.30	13.13	12.76	11.13	13.05	14.35	14.41	15.13	14.96
12	13.74	13.97	12.87	13.25	13.13	12.78	11.50	13.18	14.38	14.44	15.13	14.94
13	13.75	14.00	12.92	12.83	13.22	12.86	11.73	13.22	14.38	14.41	15.11	14.94
14	13.77	14.03	12.94	12.53	13.20	12.91	11.93	13.21	14.29	14.41	15.14	14.96
15	13.78	14.07	12.95	12.52	13.00	12.95	12.11	13.25	14.34	14.44	15.17	15.02
16	13.74	14.15	12.88	12.59	12.66	12.97	12.24	13.33	14.33	14.47	15.18	15.00
17	13.79	14.30	12.90	12.60	12.65	12.99	12.34	13.40	14.27	14.49	15.20	15.01
18	13.83	14.30	12.92	12.68	12.71	13.02	12.45	13.45	14.27	14.50	15.22	15.06
19	13.81	14.33	12.93	12.68	12.76	13.06	12.55	13.50	14.29	14.54	15.23	15.10
20	13.81	14.35	13.03	12.72	12.80	13.04	12.64	13.55	14.30	14.58	15.24	15.09
21	13.76	14.38	13.06	12.77	12.77	13.06	12.72	13.60	14.32	14.63	15.20	15.13
22	13.75	14.39	13.11	12.63	12.83	13.06	12.78	13.63	14.35	14.68	15.23	15.14
23	13.75	14.41	13.07	12.49	12.89	12.97	12.40	13.67	14.39	14.71	15.26	15.17
24	13.76	14.38	13.07	12.73	12.89	12.97	12.01	13.72	14.42	14.74	15.29	15.19
25	13.79	14.32	13.19	12.80	12.89	12.95	12.02	13.75	14.46	14.76	15.31	15.16
26	13.83	14.36	13.25	12.87	12.93	12.95	12.09	13.78	14.53	14.79	15.29	15.07
27	13.86	14.37	13.32	12.97	12.99	12.85	12.14	13.82	14.56	14.78	15.29	15.01
28	13.88	14.22	13.34	12.98	12.97	12.42	12.23	13.86	14.58	14.81	15.32	15.06
29	13.87	14.06	13.50	12.95	---	12.07	12.31	13.89	14.50	14.85	15.33	15.02
30	13.83	14.12	13.62	12.97	---	12.03	12.31	13.94	14.54	14.89	15.28	15.04
31	13.85	---	13.54	13.04	---	11.96	---	14.00	---	14.91	14.73	---
Mean	13.72	14.10	13.31	13.00	13.02	12.86	11.64	13.26	14.32	14.62	15.14	14.99
Max	13.88	14.41	13.91	13.58	13.42	13.17	12.78	14.00	14.58	14.91	15.33	15.19
Min	13.43	13.77	12.85	12.49	12.65	11.96	9.85	12.28	14.05	14.34	14.73	14.68

430243076180402 Local number Od-1833, Camillus NY—Continued





Water-Data Report NY-2005

425840077133901 Local number Ot-900, near Manchester NY

New York Clastic-rock Aquifers
 Camillus Shale
 Ontario County, NY

LOCATION.--Lat 42°58'40", long 77°13'39" referenced to North American Datum of 1927, Ontario County, Hydrologic Unit 04140201, at New York State Thruway Interchange 43, near Manchester.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 139 ft. Upper casing diameter 6 in; top of first opening 11 ft, bottom of last opening 139 ft. Cased to 11 ft, open hole.

WELL USE.--Observation well.

PERIOD OF RECORD.--May 1955 to August 1995 and October 2002 to current year.

GAGE.--Monthly measurements by USGS personnel.

REMARKS.--Water in well casing above land surface is subject to freezing during extreme cold periods.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.14 ft above land-surface datum, Mar. 15, 1976; lowest measured, 4.44 ft above land-surface datum, Oct. 28, 1991.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 8.70 ft above land-surface datum, Mar. 31; lowest measured 5.60 ft above land-surface datum, Nov. 26.

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM (READINGS ABOVE LAND-SURFACE INDICATED BY "+")
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

[Measurement method: S, steel tape; . Water-level status: --, static.]

Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Oct 28	+7.77	S	--	May 25	+8.87	S	--
Nov 29	+8.03	S	--	Jun 30	+7.91	S	--
Dec 22	+8.56	S	--	Jul 25	+7.48	S	--
Feb 17	+9.22	S	--	Aug 25	+6.42	S	--
Mar 25	+9.08	S	--	Sep 29	+6.39	S	--
Apr 26	+9.48	S	--				

Water year 2005 highest: +9.48 Apr 26, 2005; lowest: +6.39 Sep 29, 2005

Period of record highest: +11.14 Mar 15, 1976; lowest: +4.44 Oct 28, 1991

Record available from May 31, 1955, to Jul 28, 2006; 2197 entries

Water-Data Report NY-2005

425803077151201 Local number Ot-1133, near Manchester NY

Sand and gravel aquifers (glaciated regions)

Sand and Gravel Aquifer

Ontario County, NY

LOCATION.--Lat 42°58'03", long 77°15'12" referenced to North American Datum of 1983, Ontario County, Hydrologic Unit 04140201, at village of Manchester pumphouse, on State Street, 1.1 miles east of intersection with NYS Route 21, Manchester.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 20 ft. Upper casing diameter 2 in; top of first opening 10 ft, bottom of last opening 20 ft.

WELL USE.--Observation well.

DATUM.--Land-surface datum is 615 ft above National Geodetic Vertical Datum of 1929. Measuring point: undefined.3.26 ft above land-surface datum.

PERIOD OF RECORD.--August 2002 to current year.

GAGE.--Water-stage recorder--hourly; monthly measurements by USGS personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1.52 ft below land-surface datum, Apr. 3, 2005; lowest, 4.94 ft below land-surface datum, Sept. 25, 2002.

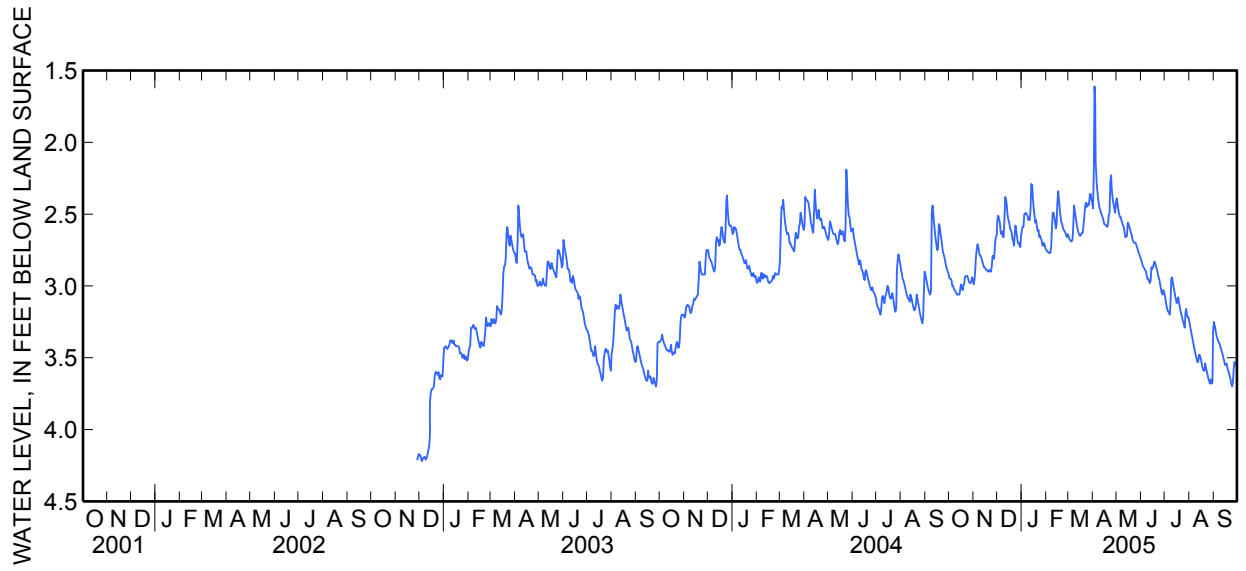
EXTREMES FOR CURRENT YEAR.--Highest water level, 1.52 ft below land surface datum, Apr. 3; lowest water level, 3.70 ft below land surface datum, Aug. 27, Sep. 24, 25.

425803077151201 Local number Ot-1133, near Manchester NY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.94	2.99	2.54	2.61	2.75	2.65	2.46	2.39	2.82	3.07	3.25	3.25
2	2.95	2.95	2.51	2.59	2.76	2.67	2.17	2.43	2.84	3.11	3.29	3.27
3	2.95	2.87	2.53	2.59	2.76	2.68	1.61	2.47	2.86	3.14	3.31	3.31
4	2.96	2.80	2.56	2.50	2.77	2.69	1.89	2.50	2.87	3.16	3.34	3.34
5	3.00	2.73	2.62	2.50	2.77	2.69	2.18	2.52	2.88	3.18	3.37	3.36
6	3.00	2.71	2.64	2.49	2.77	2.68	2.32	2.52	2.89	3.18	3.41	3.38
7	3.02	2.73	2.62	2.50	2.73	2.59	2.37	2.54	2.90	3.20	3.44	3.39
8	3.03	2.77	2.66	2.51	2.60	2.44	2.42	2.56	2.93	3.12	3.46	3.40
9	3.04	2.79	2.66	2.54	2.49	2.48	2.45	2.58	2.95	2.95	3.48	3.42
10	3.05	2.79	2.54	2.54	2.49	2.53	2.47	2.59	2.95	2.94	3.50	3.44
11	3.06	2.81	2.38	2.54	2.52	2.55	2.49	2.63	2.97	2.98	3.53	3.46
12	3.06	2.83	2.40	2.47	2.55	2.59	2.50	2.66	2.98	3.01	3.53	3.48
13	3.06	2.85	2.44	2.29	2.60	2.62	2.52	2.66	2.96	3.03	3.48	3.50
14	3.06	2.87	2.51	2.30	2.57	2.64	2.54	2.65	2.87	3.07	3.48	3.53
15	3.02	2.87	2.54	2.39	2.42	2.65	2.57	2.56	2.88	3.10	3.50	3.55
16	2.99	2.88	2.56	2.46	2.34	2.65	2.57	2.57	2.87	3.12	3.52	3.55
17	3.01	2.89	2.60	2.51	2.40	2.64	2.58	2.59	2.84	3.09	3.55	3.54
18	3.03	2.89	2.61	2.56	2.47	2.63	2.58	2.61	2.83	3.08	3.58	3.57
19	3.00	2.90	2.63	2.54	2.52	2.63	2.59	2.63	2.85	3.12	3.59	3.59
20	2.99	2.89	2.67	2.59	2.56	2.58	2.57	2.65	2.87	3.16	3.59	3.60
21	2.94	2.90	2.69	2.62	2.57	2.52	2.51	2.68	2.89	3.18	3.54	3.63
22	2.93	2.89	2.72	2.61	2.60	2.45	2.49	2.69	2.92	3.20	3.57	3.65
23	2.93	2.90	2.63	2.66	2.61	2.42	2.27	2.70	2.94	3.23	3.60	3.68
24	2.93	2.86	2.58	2.65	2.62	2.45	2.23	2.70	2.96	3.25	3.62	3.70
25	2.95	2.79	2.62	2.67	2.63	2.43	2.34	2.70	2.99	3.27	3.65	3.67
26	2.97	2.81	2.66	2.68	2.65	2.44	2.40	2.72	3.02	3.29	3.66	3.58
27	2.98	2.81	2.70	2.72	2.66	2.43	2.43	2.74	3.05	3.18	3.68	3.53
28	2.98	2.71	2.70	2.72	2.64	2.36	2.46	2.75	3.06	3.16	3.65	3.55
29	2.97	2.66	2.72	2.70	---	2.36	2.49	2.77	3.03	3.20	3.68	3.53
30	2.94	2.65	2.73	2.72	---	2.40	2.42	2.79	3.04	3.22	3.67	3.56
31	2.96	---	2.65	2.74	---	2.42	---	2.80	---	3.22	3.32	---
Mean	2.99	2.83	2.60	2.56	2.60	2.55	2.40	2.62	2.92	3.14	3.51	3.50
Max	3.06	2.99	2.73	2.74	2.77	2.69	2.59	2.80	3.06	3.29	3.68	3.70
Min	2.93	2.65	2.38	2.29	2.34	2.36	1.61	2.39	2.82	2.94	3.25	3.25

425803077151201 Local number Ot-1133, near Manchester NY—Continued



Water-Data Report NY-2005

431045078160401 Local number 01-20, Barre NY

Sand and gravel aquifers (glaciated regions)
Ice-contact Deposits
Orleans County, NY

LOCATION.--Lat 43°10'45.0", long 78°16'04.9" referenced to North American Datum of 1983, Orleans County, Hydrologic Unit 04130001, in dirt driveway south of landowners house on Pine Hill Road, west of Barre.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 48.9 ft. Upper casing diameter 2 in; top of first opening 39.1 ft, bottom of last opening 48.9 ft. Cased to 48.9 ft (screen, 39.1 ft to 48.9 ft).

WELL USE.--Observation well.

DATUM.--Land-surface datum is 695 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of well casing, 3.79 ft above land-surface datum.

PERIOD OF RECORD.--January 2004 to September 2004.

GAGE.--Water-stage recorder--15 minute; periodic measurements by USGS personnel.

REMARKS.--Satellite water-level telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 16.04 ft, below land-surface datum, Apr. 24, 2005; lowest, 23.21 ft below land-surface datum, Jan. 2, 2004.

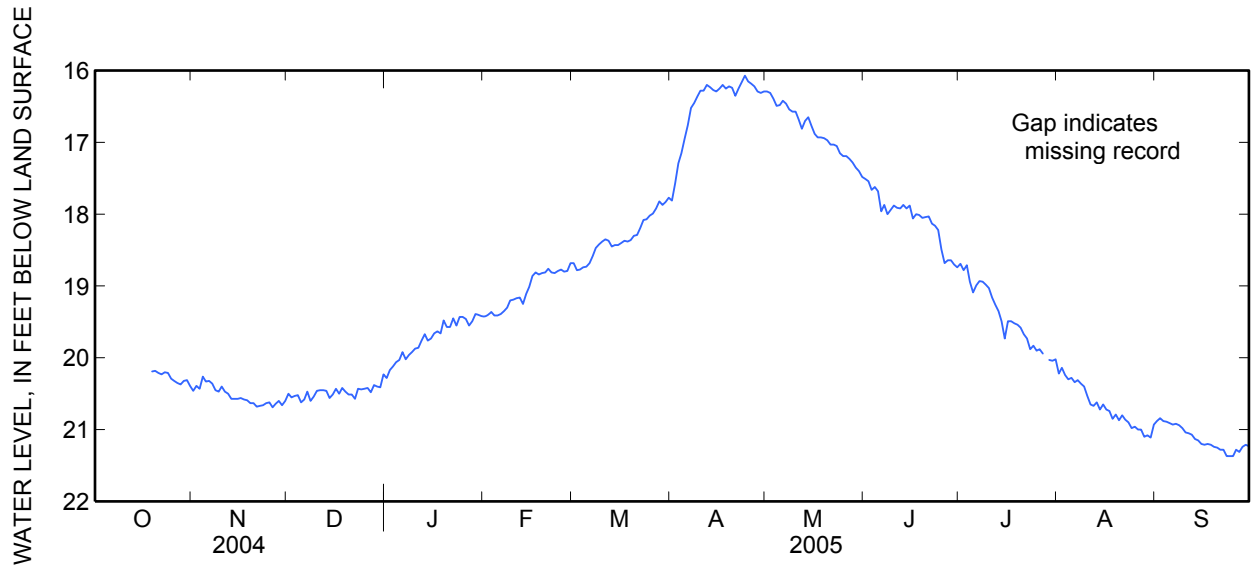
EXTREMES FOR CURRENT YEAR.--Highest water level, 16.04 ft below land surface datum, Apr 24; lowest water level, 21.45 ft below land surface datum, Sep 24.

431045078160401 Local number 01-20, Barre NY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	20.46	20.50	20.28	19.42	18.68	17.81	16.29	17.51	18.69	20.22	20.88
2	---	20.39	20.55	20.17	19.40	18.78	17.57	16.31	17.54	18.78	20.14	20.84
3	---	20.43	20.53	20.12	19.36	18.77	17.29	16.39	17.66	18.71	20.24	20.88
4	---	20.26	20.52	20.06	19.41	18.74	17.15	16.49	17.62	18.94	20.30	20.89
5	---	20.33	20.62	20.03	19.41	18.73	16.95	16.48	17.68	19.09	20.28	20.91
6	---	20.32	20.58	19.92	19.39	18.68	16.76	16.42	17.96	18.99	20.34	20.93
7	---	20.36	20.47	20.02	19.35	18.58	16.52	16.46	17.87	18.93	20.31	20.92
8	---	20.45	20.60	19.96	19.30	18.47	16.45	16.54	18.00	18.94	20.36	20.94
9	---	20.47	20.54	19.92	19.20	18.42	16.36	16.57	17.94	18.98	20.40	20.98
10	---	20.40	20.46	19.87	19.19	18.38	16.28	16.57	17.88	19.03	20.53	21.04
11	---	20.47	20.45	19.86	19.17	18.35	16.28	16.68	17.91	19.16	20.65	21.05
12	---	20.50	20.45	19.76	19.16	18.37	16.20	16.81	17.92	19.26	20.67	21.07
13	---	20.57	20.46	19.67	19.25	18.45	16.23	16.70	17.87	19.35	20.62	21.13
14	---	20.57	20.56	19.76	19.11	18.43	16.27	16.65	17.92	19.49	20.72	21.15
15	---	20.57	20.51	19.73	19.01	18.43	16.29	16.77	17.88	19.73	20.65	21.20
16	---	20.56	20.43	19.66	18.86	18.40	16.25	16.88	18.06	19.49	20.72	21.21
17	---	20.58	20.50	19.63	18.81	18.37	16.20	16.93	18.00	19.49	20.74	21.20
18	---	20.59	20.42	19.66	18.84	18.38	16.25	16.93	18.01	19.52	20.85	21.21
19	20.19	20.63	20.47	19.48	18.82	18.36	16.22	16.94	18.05	19.54	20.79	21.24
20	20.18	20.63	20.51	19.57	18.81	18.30	16.24	16.97	18.04	19.58	20.87	21.25
21	20.21	20.68	20.51	19.57	18.76	18.29	16.35	17.03	18.03	19.67	20.80	21.28
22	20.23	20.67	20.57	19.45	18.81	18.19	16.25	17.03	18.13	19.73	20.86	21.28
23	20.20	20.66	20.43	19.55	18.82	18.08	16.16	17.05	18.16	19.88	20.90	21.37
24	20.21	20.63	20.44	19.43	18.79	18.07	16.07	17.15	18.22	19.83	20.98	21.37
25	20.29	20.62	20.43	19.43	18.77	18.02	16.15	17.19	18.49	19.90	20.96	21.37
26	20.32	20.69	20.42	19.46	18.80	17.99	16.18	17.19	18.68	19.88	21.00	21.28
27	20.35	20.64	20.48	19.55	18.79	17.92	16.22	17.23	18.64	19.94	21.00	21.31
28	20.37	20.60	20.38	19.49	18.68	17.82	16.29	17.28	18.64	---	21.10	21.24
29	20.32	20.66	20.40	19.39	---	17.87	16.31	17.35	18.70	20.03	21.08	21.21
30	20.31	20.60	20.41	19.40	---	17.83	16.29	17.40	18.74	20.04	21.11	21.23
31	20.39	---	20.23	19.42	---	17.77	---	17.48	---	20.02	20.93	---
Mean	---	20.53	20.48	19.72	19.05	18.32	16.46	16.84	18.06	---	20.68	21.13
Max	---	20.69	20.62	20.28	19.42	18.78	17.81	17.48	18.74	---	21.11	21.37
Min	---	20.26	20.23	19.39	18.68	17.77	16.07	16.29	17.51	---	20.14	20.84

431045078160401 Local number 01-20, Barre NY—Continued



Water-Data Report NY-2005

432148076225101 Local number Ow-5013, near Volney NY

New York sandstone aquifers
Medina Group and Queenston Formation

Oswego County, NY

LOCATION.--Lat 43°21'48", long 76°22'51" referenced to North American Datum of 1983, Oswego County, Hydrologic Unit 04140203, in gravel pit adjacent to Oswego County landfill, near Volney.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 83 ft. Upper casing diameter 2 in; top of first opening 64 ft, bottom of last opening 83 ft. Cased to 64 ft, open hole.

WELL USE.--Observation well.

DATUM.--Land-surface datum is 460 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of pipe, 1.77 ft above land-surface datum.

PERIOD OF RECORD.--September 1999 to current year. Records for September 1999 to September 2002 are unpublished and available in the files of the U.S. Geological Survey.

GAGE.--Water-stage recorder--15 minute; periodic measurements by USGS personnel.

REMARKS.--Satellite water-level telemer at station.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 19.69 ft below land-surface datum, Apr. 1, 2004; lowest measured, 23.96 ft below land-surface datum, Sep. 28, 2001.

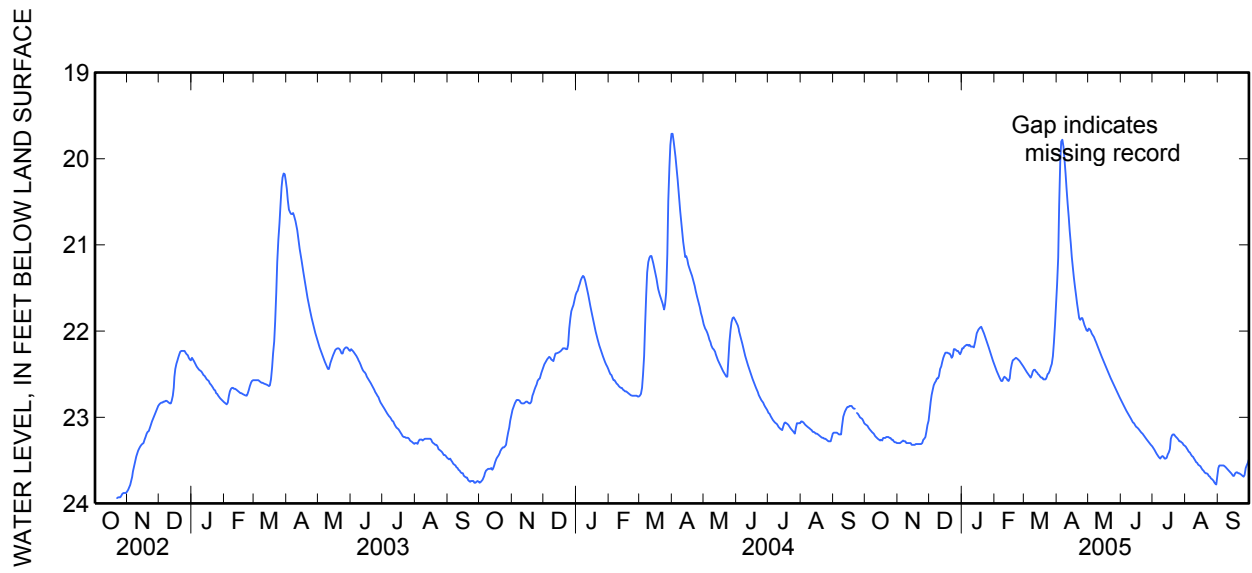
EXTREMES FOR CURRENT YEAR.--Highest water level, 19.76 ft below land surface datum, Apr 6; lowest water level, 23.79 ft below land surface datum, Aug 30.

432148076225101 Local number Ow-5013, near Volney NY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	23.08	23.30	22.94	22.20	22.41	22.43	21.46	21.97	22.81	23.35	23.34	23.59
2	23.09	23.30	22.82	22.20	22.44	22.45	21.15	21.98	22.84	23.37	23.36	23.56
3	23.10	23.30	22.74	22.18	22.47	22.47	20.54	22.00	22.86	23.39	23.38	23.56
4	23.12	23.29	22.68	22.17	22.50	22.49	20.02	22.03	22.88	23.42	23.40	23.56
5	23.14	23.28	22.63	22.16	22.53	22.51	19.80	22.05	22.91	23.43	23.41	23.56
6	23.15	23.27	22.60	22.16	22.55	22.52	19.78	22.07	22.93	23.45	23.43	23.56
7	23.17	23.28	22.58	22.17	22.58	22.54	19.86	22.10	22.95	23.47	23.45	23.57
8	23.18	23.28	22.55	22.16	22.58	22.51	20.00	22.13	22.97	23.48	23.46	23.58
9	23.19	23.30	22.55	22.18	22.55	22.47	20.17	22.16	22.99	23.46	23.48	23.59
10	23.21	23.30	22.52	22.18	22.53	22.45	20.34	22.19	23.02	23.45	23.50	23.61
11	23.23	23.30	22.44	22.18	22.54	22.45	20.52	22.22	23.04	23.46	23.52	23.62
12	23.24	23.30	22.41	22.19	22.55	22.47	20.68	22.26	23.06	23.48	23.53	23.63
13	23.25	23.30	22.36	22.14	22.57	22.48	20.84	22.29	23.07	23.48	23.55	23.65
14	23.26	23.32	22.31	22.07	22.58	22.50	20.99	22.32	23.09	23.47	23.56	23.66
15	23.27	23.32	22.28	22.02	22.55	22.51	21.14	22.34	23.11	23.43	23.57	23.68
16	23.26	23.32	22.25	21.99	22.45	22.53	21.27	22.37	23.12	23.41	23.59	23.68
17	23.27	23.32	22.25	21.97	22.38	22.54	21.38	22.40	23.13	23.37	23.61	23.65
18	23.24	23.31	22.25	21.96	22.34	22.54	21.49	22.43	23.15	23.25	23.62	23.64
19	23.24	23.31	22.26	21.95	22.33	22.56	21.59	22.46	23.16	23.21	23.64	23.64
20	23.24	23.31	22.26	21.97	22.32	22.56	21.68	22.49	23.18	23.20	23.65	23.65
21	23.23	23.31	22.28	22.00	22.31	22.56	21.77	22.52	23.19	23.20	23.65	23.65
22	23.23	23.31	22.31	22.04	22.32	22.54	21.85	22.55	23.21	23.22	23.66	23.66
23	23.23	23.31	22.29	22.08	22.33	22.50	21.87	22.58	23.22	23.23	23.68	23.67
24	23.24	23.30	22.21	22.11	22.34	22.49	21.85	22.60	23.24	23.24	23.69	23.68
25	23.24	23.26	22.21	22.15	22.36	22.46	21.85	22.63	23.26	23.26	23.71	23.69
26	23.26	23.25	22.22	22.18	22.37	22.42	21.89	22.66	23.27	23.28	23.72	23.67
27	23.26	23.23	22.23	22.23	22.40	22.38	21.93	22.68	23.29	23.28	23.73	23.59
28	23.28	23.17	22.23	22.27	22.41	22.29	21.96	22.71	23.30	23.29	23.75	23.56
29	23.29	23.09	22.25	22.30	---	22.14	21.99	22.73	23.32	23.30	23.77	23.53
30	23.29	23.04	22.27	22.34	---	21.93	22.00	22.76	23.33	23.32	23.78	23.49
31	23.30	---	22.24	22.37	---	21.71	---	22.78	---	23.33	23.69	---
Mean	23.22	23.28	22.40	22.14	22.45	22.43	21.12	22.37	23.10	23.35	23.58	23.61
Max	23.30	23.32	22.94	22.37	22.58	22.56	22.00	22.78	23.33	23.48	23.78	23.69
Min	23.08	23.04	22.21	21.95	22.31	21.71	19.78	21.97	22.81	23.20	23.34	23.49

432148076225101 Local number Ow-5013, near Volney NY—Continued



Water-Data Report NY-2005

432148076225102 Local number Ow-5014, near Volney NY

Sand and gravel aquifers (glaciated regions)

Lake Deposits

Oswego County, NY

LOCATION.--Lat 43°21'48", long 76°22'51" referenced to North American Datum of 1983, Oswego County, Hydrologic Unit 04140203, in gravel pit adjacent to Oswego County landfill Volney, N.Y.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 30 ft. Upper casing diameter 2 in; top of first opening 20 ft, bottom of last opening 30 ft. Cased to 30 ft (screen, 20 ft to 30 ft).

WELL USE.--Observation well.

DATUM.--Land-surface datum is 460 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of pipe, 2.07 ft above land-surface datum.

PERIOD OF RECORD.--November 2002 to current year.

GAGE.--Water-stage recorder--15 minute; periodic measurements by USGS personnel.

REMARKS.--Satellite water-level telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 20.23 ft below land-surface datum, Apr. 4, 2005; lowest measured, 24.08 ft below land-surface datum, Sep. 9, 2002.

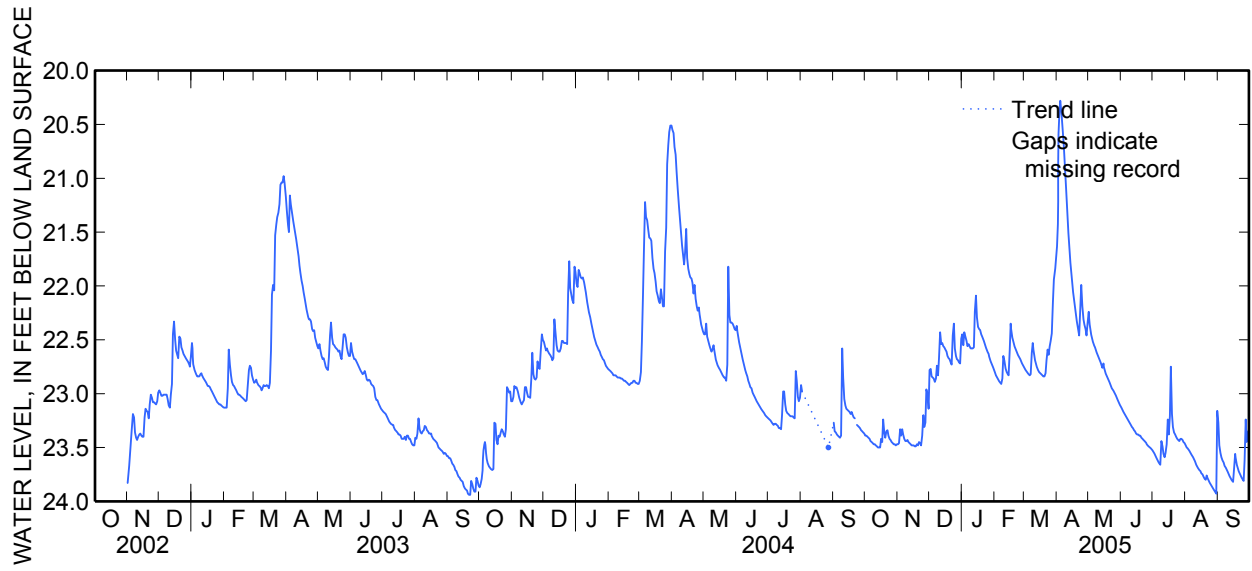
EXTREMES FOR CURRENT YEAR.--Highest water level, 20.23 ft below land surface datum, Apr 4; lowest water level, 23.93 ft below land surface datum, Aug 30, 31.

432148076225102 Local number Ow-5014, near Volney NY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	23.39	23.47	22.78	22.45	22.80	22.76	21.60	22.24	23.13	23.53	23.48	23.27
2	23.39	23.46	22.77	22.55	22.83	22.78	21.13	22.37	23.15	23.55	23.50	23.48
3	23.40	23.33	22.84	22.43	22.85	22.79	20.44	22.42	23.17	23.57	23.51	23.55
4	23.41	23.39	22.85	22.47	22.87	22.81	20.28	22.48	23.19	23.59	23.52	23.59
5	23.42	23.33	22.86	22.51	22.88	22.82	20.37	22.52	23.20	23.61	23.54	23.62
6	23.44	23.38	22.89	22.56	22.90	22.83	20.50	22.55	23.22	23.63	23.56	23.64
7	23.45	23.42	22.86	22.54	22.91	22.82	20.65	22.57	23.24	23.65	23.57	23.67
8	23.46	23.44	22.74	22.56	22.86	22.62	20.81	22.60	23.26	23.66	23.59	23.69
9	23.47	23.44	22.83	22.58	22.65	22.53	21.02	22.63	23.27	23.44	23.61	23.70
10	23.47	23.43	22.67	22.58	22.70	22.62	21.20	22.65	23.29	23.49	23.63	23.73
11	23.48	23.45	22.43	22.58	22.76	22.69	21.37	22.68	23.31	23.56	23.66	23.75
12	23.49	23.46	22.54	22.57	22.79	22.73	21.53	22.70	23.32	23.59	23.68	23.77
13	23.50	23.47	22.53	22.24	22.82	22.75	21.68	22.73	23.34	23.55	23.69	23.79
14	23.50	23.48	22.56	22.09	22.83	22.78	21.81	22.76	23.35	23.47	23.71	23.81
15	23.50	23.48	22.57	22.29	22.60	22.80	21.94	22.72	23.37	23.24	23.72	23.82
16	23.42	23.48	22.59	22.38	22.35	22.81	22.04	22.77	23.38	23.38	23.74	23.70
17	23.45	23.49	22.61	22.40	22.44	22.82	22.13	22.81	23.38	23.21	23.75	23.56
18	23.24	23.49	22.65	22.41	22.50	22.83	22.21	22.83	23.39	22.75	23.77	23.63
19	23.36	23.47	22.67	22.45	22.54	22.84	22.29	22.86	23.39	23.19	23.79	23.68
20	23.41	23.48	22.68	22.47	22.58	22.84	22.35	22.88	23.41	23.31	23.80	23.71
21	23.35	23.45	22.71	22.50	22.59	22.81	22.41	22.90	23.42	23.36	23.76	23.73
22	23.34	23.46	22.73	22.53	22.62	22.69	22.46	22.92	23.43	23.38	23.79	23.76
23	23.39	23.48	22.46	22.55	22.64	22.59	22.21	22.95	23.44	23.40	23.81	23.78
24	23.42	23.39	22.35	22.59	22.66	22.64	21.99	22.97	23.45	23.42	23.83	23.79
25	23.43	23.20	22.58	22.61	22.68	22.56	22.19	22.98	23.47	23.43	23.85	23.81
26	23.45	23.31	22.65	22.63	22.70	22.51	22.31	23.00	23.48	23.44	23.86	23.62
27	23.46	23.27	22.68	22.67	22.73	22.44	22.36	23.02	23.49	23.42	23.88	23.24
28	23.47	22.96	22.69	22.70	22.74	22.15	22.40	23.05	23.50	23.42	23.90	23.45
29	23.47	23.00	22.71	22.73	---	21.94	22.46	23.07	23.51	23.43	23.91	23.36
30	23.48	23.14	22.72	22.75	---	21.87	22.34	23.09	23.52	23.45	23.93	23.34
31	23.47	---	22.49	22.77	---	21.77	---	23.11	---	23.46	23.16	---
Mean	23.43	23.38	22.67	22.52	22.71	22.62	21.68	22.77	23.35	23.44	23.69	23.63
Max	23.50	23.49	22.89	22.77	22.91	22.84	22.46	23.11	23.52	23.66	23.93	23.82
Min	23.24	22.96	22.35	22.09	22.35	21.77	20.28	22.24	23.13	22.75	23.16	23.24

432148076225102 Local number Ow-5014, near Volney NY—Continued



Water-Data Report NY-2005

424136075025101 Local number Og-23, near Hartwick NY

Sand and gravel aquifers (glaciated regions)

Till

Otsego County, NY

LOCATION.--Lat 42°41'36", long 75°02'51" referenced to North American Datum of 1927, Otsego County, Hydrologic Unit 02050101, at "Wild Creek Farm", 0.6 mi northeast of intersection of State Highway 205 and Kallan Road, 2.2 mi north of Hartwick, and 3.2 mi southeast of Oaksville.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 15 ft. Casing diameter 36 in; top of first opening 15 ft. Cased to 15 ft, open end.

WELL USE.--Observation well.

DATUM.--Land-surface datum is 1432.44 ft above National Geodetic Vertical Datum of 1929. Measuring point: undefined.0.00 ft above land-surface datum.

PERIOD OF RECORD.--May 1953 to August 1995, January 4, 1997 to current year. Station was discontinued from September 1995 to January 1997.

Records for May 1953 to September 1976 are available in files of the U.S. Geological Survey.

GAGE.--Water-stage recorder--hourly; monthly measurement by USGS personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.98 ft below land-surface datum, Apr. 2, 1960, Sep. 19, 1977; lowest measured, 12.66 ft below land-surface datum, Nov. 14, 1964.

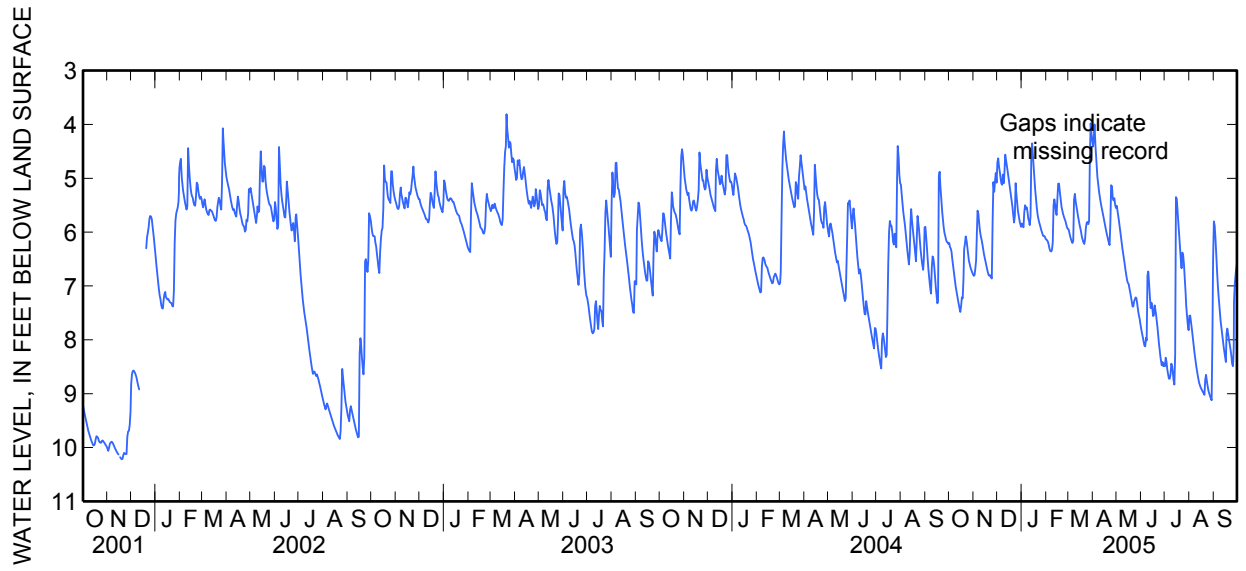
EXTREMES FOR CURRENT YEAR.--Highest water level, 3.71 ft below land surface datum, Apr 2; lowest water level, 9.14 ft below land surface datum, Aug 29, 30.

424136075025101 Local number Og-23, near Hartwick NY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	6.20	6.81	4.70	5.84	6.14	5.95	4.41	5.51	7.80	8.49	7.55	5.80
2	6.28	6.80	4.63	5.88	6.15	6.00	4.22	5.61	7.88	8.33	7.55	5.88
3	6.30	6.68	4.78	5.91	6.18	6.07	4.00	5.71	7.95	8.41	7.66	6.12
4	6.36	6.52	4.88	5.63	6.24	6.12	4.32	5.83	8.03	8.55	7.80	6.42
5	6.50	5.99	5.00	5.50	6.31	6.17	4.62	5.94	8.11	8.64	7.92	6.73
6	6.62	5.60	5.10	5.57	6.35	6.20	4.87	6.05	8.12	8.72	8.06	7.00
7	6.74	5.66	5.12	5.54	6.36	6.16	5.05	6.15	7.96	8.72	8.19	7.21
8	6.86	5.83	4.93	5.62	6.33	5.40	5.15	6.27	8.01	8.64	8.31	7.39
9	6.97	5.98	5.09	5.75	6.19	5.29	5.28	6.38	6.80	8.44	8.43	7.56
10	7.08	6.07	4.89	5.80	5.50	5.42	5.38	6.48	6.73	8.49	8.53	7.73
11	7.18	6.14	4.56	5.87	5.39	5.52	5.48	6.58	6.95	8.61	8.62	7.87
12	7.24	6.22	4.70	5.71	5.49	5.62	5.55	6.69	7.20	8.75	8.70	7.98
13	7.33	6.31	4.78	4.59	5.62	5.70	5.62	6.79	7.41	8.83	8.78	8.09
14	7.41	6.41	4.86	4.35	5.68	5.79	5.70	6.88	7.31	8.28	8.84	8.21
15	7.48	6.48	4.97	4.60	5.38	5.87	5.79	6.94	7.39	5.35	8.88	8.32
16	7.38	6.55	5.05	4.81	5.10	5.94	5.87	6.96	7.56	5.38	8.90	8.41
17	7.21	6.62	5.18	5.01	5.10	6.02	5.93	7.03	7.54	5.60	8.93	7.89
18	7.23	6.69	5.30	5.24	5.26	6.09	6.00	7.12	7.36	5.83	8.97	7.79
19	6.87	6.75	5.42	5.42	5.39	6.16	6.07	7.21	7.42	6.05	8.99	7.89
20	6.32	6.80	5.55	5.57	5.51	6.18	6.14	7.29	7.57	6.27	9.02	7.99
21	6.22	6.81	5.68	5.69	5.57	6.22	6.20	7.38	7.71	6.50	8.74	8.08
22	6.08	6.80	5.82	5.75	5.66	6.13	6.24	7.38	7.85	6.67	8.65	8.18
23	6.14	6.84	5.70	5.83	5.72	5.92	5.83	7.28	8.01	6.38	8.76	8.29
24	6.27	6.86	5.09	5.90	5.76	5.83	5.13	7.25	8.15	6.43	8.86	8.44
25	6.42	5.83	5.29	5.94	5.79	5.81	5.15	7.21	8.27	6.60	8.95	8.49
26	6.53	5.07	5.45	5.97	5.85	5.85	5.37	7.23	8.38	6.86	9.00	8.16
27	6.60	5.25	5.58	6.04	5.91	5.80	5.41	7.33	8.47	7.11	9.04	7.01
28	6.66	5.06	5.69	6.07	5.94	4.61	5.37	7.45	8.41	7.36	9.08	6.85
29	6.70	4.90	5.79	6.07	---	3.98	5.49	7.54	8.49	7.55	9.12	6.73
30	6.74	5.08	5.86	6.08	---	4.17	5.55	7.61	8.44	7.72	7.90	6.59
31	6.78	---	5.90	6.12	---	4.31	---	7.71	---	7.82	6.52	---
Mean	6.73	6.18	5.20	5.60	5.78	5.69	5.37	6.80	7.78	7.46	8.49	7.50
Max	7.48	6.86	5.90	6.12	6.36	6.22	6.24	7.71	8.49	8.83	9.12	8.49
Min	6.08	4.90	4.56	4.35	5.10	3.98	4.00	5.51	6.73	5.35	6.52	5.80

424136075025101 Local number Og-23, near Hartwick NY—Continued



Water-Data Report NY-2005

422710076462901 Local number Sy-706, near Burdett NY

Sand and gravel aquifers (glaciated regions)

Ice-Contact Deposits

Schuyler County, NY

LOCATION.--Lat 42°27'10", long 76°46'29" referenced to North American Datum of 1927, Schuyler County, Hydrologic Unit 04140201, behind red barn of landowner, on State Highway 79, 0.4 mi east of the intersection of State Highways 79 and 227, and 4.5 mi northeast of Burdett.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 27 ft. Upper casing diameter 6 in; top of first opening 27 ft, bottom of last opening undefined. Cased to 27 ft, open hole.

WELL USE.--Observation well.

DATUM.--Land-surface datum is 1160 ft above National Geodetic Vertical Datum of 1929. Measuring point: Mark on inside of shelter, 3.83 ft above land-surface datum.

PERIOD OF RECORD.--October 2003 to current year.

GAGE.--Water-stage recorder--hourly; monthly measurements by USGS personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.23 ft, below land-surface datum, Apr. 3, 4, 2005; lowest 10.10 ft below land-surface datum, Aug. 30, 2005.

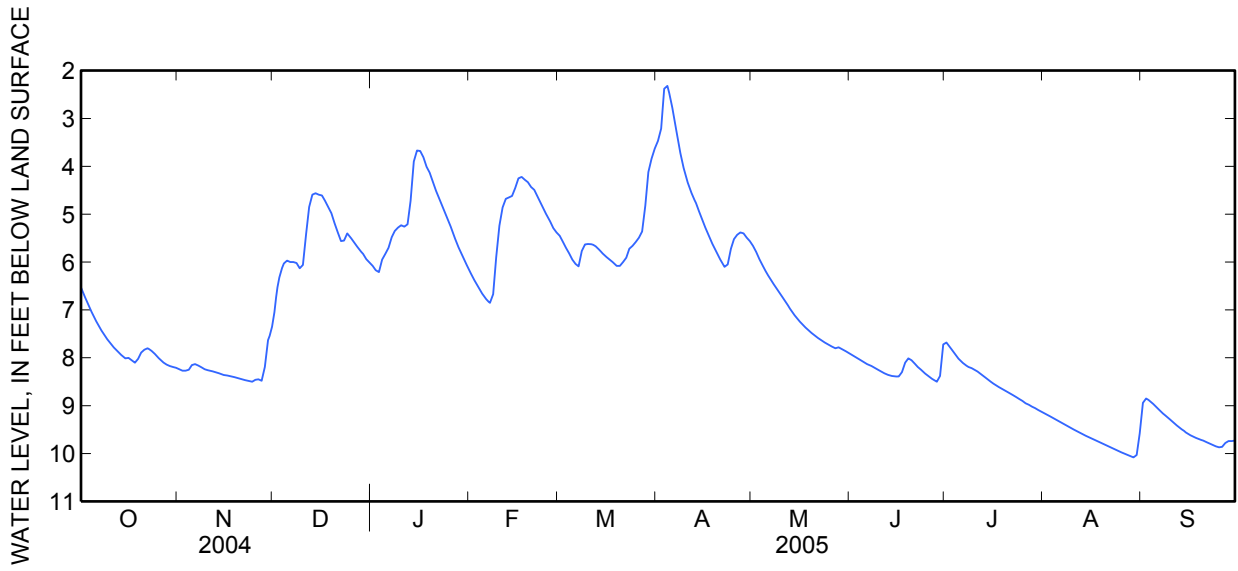
EXTREMES FOR CURRENT YEAR.--Highest water level, 2.23 ft below land surface datum, Apr 3, 4; lowest water level, 10.10 ft below land surface datum, Aug 30.

422710076462901 Local number Sy-706, near Burdett NY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	6.53	8.24	7.02	6.08	6.24	5.45	3.47	5.66	7.93	7.68	9.16	8.94
2	6.70	8.27	6.53	6.17	6.37	5.57	3.21	5.79	7.97	7.76	9.20	8.85
3	6.85	8.27	6.22	6.21	6.49	5.70	2.38	5.94	8.01	7.86	9.23	8.89
4	6.98	8.25	6.03	5.95	6.59	5.82	2.32	6.07	8.05	7.95	9.27	8.95
5	7.13	8.15	5.97	5.83	6.70	5.95	2.61	6.19	8.09	8.03	9.31	9.01
6	7.26	8.13	6.00	5.70	6.79	6.04	2.95	6.30	8.13	8.09	9.34	9.08
7	7.38	8.16	6.00	5.48	6.85	6.09	3.33	6.41	8.16	8.15	9.38	9.14
8	7.49	8.20	6.02	5.35	6.67	5.77	3.69	6.51	8.20	8.19	9.42	9.20
9	7.58	8.24	6.13	5.28	5.90	5.63	4.00	6.61	8.23	8.22	9.45	9.26
10	7.67	8.26	6.06	5.23	5.24	5.62	4.25	6.70	8.27	8.25	9.49	9.31
11	7.76	8.28	5.41	5.26	4.86	5.63	4.46	6.80	8.31	8.30	9.53	9.37
12	7.83	8.29	4.85	5.21	4.68	5.65	4.62	6.90	8.34	8.35	9.56	9.43
13	7.89	8.31	4.59	4.72	4.65	5.71	4.77	7.01	8.37	8.39	9.60	9.48
14	7.96	8.34	4.56	3.90	4.62	5.78	4.94	7.11	8.38	8.45	9.63	9.53
15	8.01	8.36	4.59	3.67	4.45	5.85	5.12	7.19	8.39	8.50	9.66	9.58
16	8.00	8.37	4.61	3.68	4.25	5.91	5.29	7.26	8.39	8.55	9.69	9.62
17	8.05	8.38	4.72	3.81	4.22	5.96	5.44	7.33	8.30	8.59	9.72	9.65
18	8.10	8.40	4.85	4.01	4.28	6.02	5.59	7.39	8.10	8.63	9.75	9.68
19	8.02	8.42	4.98	4.13	4.33	6.08	5.73	7.45	8.01	8.66	9.78	9.71
20	7.89	8.43	5.19	4.32	4.43	6.08	5.86	7.51	8.05	8.71	9.82	9.73
21	7.83	8.45	5.38	4.51	4.49	6.00	5.99	7.56	8.12	8.74	9.85	9.76
22	7.80	8.47	5.56	4.66	4.63	5.91	6.10	7.61	8.19	8.78	9.88	9.79
23	7.84	8.49	5.55	4.84	4.77	5.72	6.05	7.65	8.25	8.82	9.91	9.82
24	7.90	8.50	5.40	5.00	4.90	5.66	5.72	7.70	8.31	8.86	9.94	9.85
25	7.97	8.46	5.49	5.16	5.03	5.58	5.52	7.74	8.37	8.90	9.97	9.87
26	8.04	8.45	5.57	5.31	5.15	5.49	5.43	7.77	8.42	8.95	9.99	9.86
27	8.09	8.48	5.66	5.51	5.29	5.36	5.38	7.80	8.46	8.98	10.02	9.78
28	8.14	8.19	5.76	5.68	5.38	4.82	5.40	7.78	8.50	9.02	10.05	9.74
29	8.17	7.63	5.83	5.82	---	4.12	5.49	7.82	8.38	9.05	10.08	9.74
30	8.19	7.43	5.94	5.96	---	3.84	5.56	7.85	7.72	9.09	10.03	9.73
31	8.21	---	6.01	6.11	---	3.63	---	7.89	---	9.12	9.58	---
Mean	7.72	8.28	5.56	5.11	5.29	5.56	4.69	7.07	8.21	8.50	9.65	9.48
Max	8.21	8.50	7.02	6.21	6.85	6.09	6.10	7.89	8.50	9.12	10.08	9.87
Min	6.53	7.43	4.56	3.67	4.22	3.63	2.32	5.66	7.72	7.68	9.16	8.85

422710076462901 Local number Sy-706, near Burdett NY—Continued



Water-Data Report NY-2005

424347076530201 Local number Se-532, near Romulus, NY

Sand and gravel aquifers (glaciated regions)

Till

Seneca County, NY

LOCATION.--Lat 42°43'47", long 76°53'02" referenced to North American Datum of 1983, Seneca County, Hydrologic Unit 04140201, 0.3 mi east of intersection of State Highway 96A and Smith Vineyard road, near Romulus, NY.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 6.8 ft. Upper casing diameter 2 in; top of first opening 6.3 ft, bottom of last opening 6.8 ft. Cased to 6.8 ft (screen 6.3 ft to 6.8 ft).

WELL USE.--Unused.

DATUM.--Land-surface datum is 627.9 ft above National Geodetic Vertical Datum of 1988. Measuring point: Top of casing, 2.87 ft above land-surface datum.

PERIOD OF RECORD.--March 1995 to current year. Records for March 1995 to March 2004 are unpublished and available in files of the Geological Survey.

GAGE.--Water-stage recorder--hourly; monthly measurements by USGS personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.02 ft above land-surface datum, Dec. 10, 23, 2004 and June 13, 2005; lowest 5.98 ft below land-surface datum, Sep. 18, 1998.

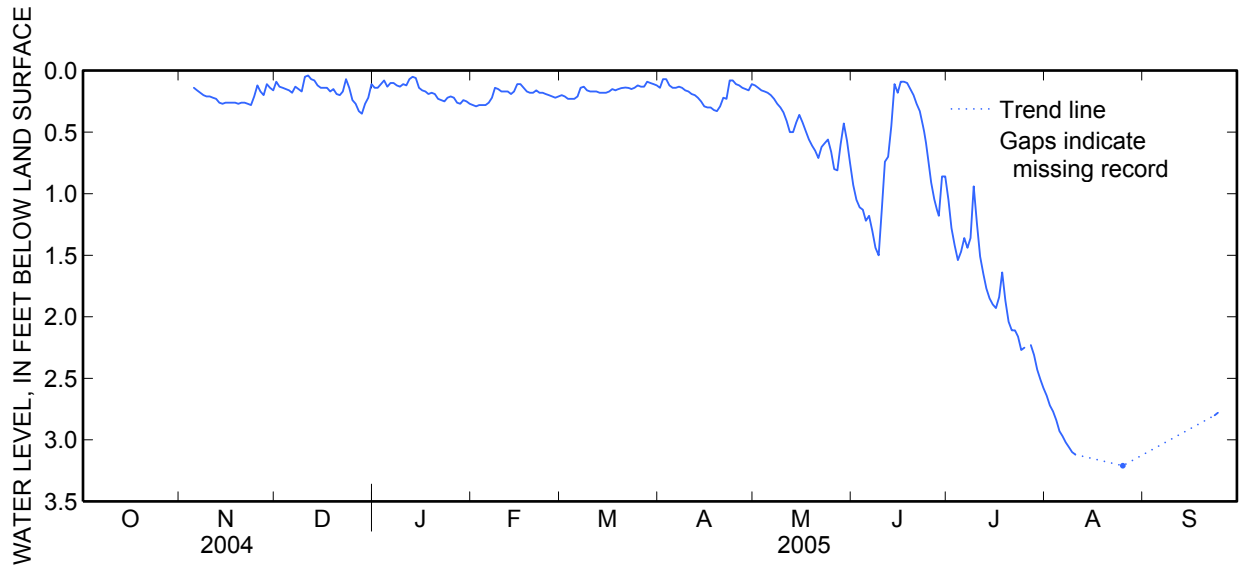
EXTREMES FOR CURRENT YEAR.--Highest water level, 0.02 ft above land surface datum, Dec 10, 23, Jun 13; lowest water level measured, 3.21 ft below land surface datum, Aug 25.

424347076530201 Local number Se-532, near Romulus, NY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	0.09	0.14	0.28	0.20	0.14	0.12	0.93	1.05	2.64	---
2	---	---	0.13	0.14	0.29	0.21	0.07	0.14	1.05	1.28	2.72	---
3	---	---	0.14	0.11	0.28	0.23	0.07	0.16	1.11	1.42	2.77	---
4	---	---	0.15	0.08	0.28	0.23	0.12	0.17	1.13	1.54	2.84	---
5	---	0.14	0.16	0.13	0.28	0.23	0.14	0.18	1.22	1.47	2.93	---
6	---	0.16	0.18	0.10	0.26	0.21	0.14	0.20	1.18	1.36	2.97	---
7	---	0.18	0.13	0.10	0.22	0.14	0.13	0.23	1.30	1.44	3.02	---
8	---	0.20	0.15	0.12	0.14	0.13	0.14	0.27	1.44	1.36	3.06	---
9	---	0.21	0.17	0.13	0.15	0.16	0.16	0.30	1.50	0.94	3.10	---
10	---	0.21	0.05	0.11	0.17	0.17	0.17	0.34	1.12	1.24	3.12	---
11	---	0.22	0.04	0.12	0.17	0.17	0.19	0.41	0.74	1.51	---	---
12	---	0.23	0.07	0.07	0.17	0.17	0.20	0.50	0.70	1.65	---	---
13	---	0.26	0.08	0.05	0.19	0.18	0.22	0.50	0.45	1.77	---	---
14	---	0.27	0.12	0.06	0.17	0.18	0.25	0.42	0.11	1.85	---	---
15	---	0.26	0.14	0.14	0.11	0.18	0.29	0.36	0.18	1.90	---	---
16	---	0.26	0.14	0.16	0.11	0.17	0.30	0.42	0.09	1.93	---	---
17	---	0.26	0.14	0.17	0.14	0.15	0.30	0.49	0.09	1.84	---	---
18	---	0.26	0.17	0.19	0.17	0.16	0.32	0.56	0.10	1.64	---	---
19	---	0.27	0.15	0.18	0.18	0.15	0.33	0.61	0.15	1.87	---	---
20	---	0.26	0.19	0.19	0.18	0.14	0.29	0.65	0.20	2.04	---	---
21	---	0.26	0.20	0.23	0.16	0.14	0.22	0.71	0.27	2.11	---	---
22	---	0.27	0.17	0.24	0.18	0.14	0.23	0.62	0.33	2.11	---	---
23	---	0.28	0.07	0.25	0.18	0.15	0.08	0.59	0.45	2.16	---	2.80
24	---	0.21	0.14	0.22	0.19	0.14	0.08	0.56	0.60	2.27	---	2.78
25	---	0.12	0.24	0.21	0.20	0.12	0.11	0.66	0.80	2.25	3.21	---
26	---	0.17	0.27	0.22	0.21	0.13	0.12	0.80	0.97	---	---	---
27	---	0.20	0.33	0.26	0.22	0.13	0.14	0.81	1.09	2.23	---	---
28	---	0.11	0.35	0.27	0.21	0.09	0.15	0.60	1.18	2.31	---	---
29	---	0.14	0.27	0.24	---	0.10	0.16	0.43	0.86	2.43	---	---
30	---	0.16	0.22	0.25	---	0.11	0.11	0.57	0.86	2.51	---	---
31	---	---	0.11	0.27	---	0.12	---	0.75	---	2.58	---	---
Mean	---	---	0.16	0.17	0.20	0.16	0.18	0.46	0.74	---	---	---
Max	---	---	0.35	0.27	0.29	0.23	0.33	0.81	1.50	---	---	---
Min	---	---	0.04	0.05	0.11	0.09	0.07	0.12	0.09	---	---	---

424347076530201 Local number Se-532, near Romulus, NY—Continued



Water-Data Report NY-2005

424347076530202 Local number Se-533, near Romulus, NY

New York Clastic-rock Aquifers
Hamilton Group
Seneca County, NY

LOCATION.--Lat 42°43'47", long 76°53'02" referenced to North American Datum of 1983, Seneca County, Hydrologic Unit 04140201, 0.3 mi east of intersection of State Highway 96A and Smith Vineyard road, near Romulus , NY.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 56.6 ft. Upper casing diameter 2 in; top of first opening 37 ft, bottom of last opening 56 ft. Cased to 56.6 ft (screen 37 ft to 56 ft).

WELL USE.--Unused.

DATUM.--Land-surface datum is 627.7 ft above National Geodetic Vertical Datum of 1988. Measuring point: Top of casing, 2.01 ft above land-surface datum.

PERIOD OF RECORD.--June 1995 to current year. Records for June 1995 to March 2004 are unpublished and available in the files of the Geological Survey.

GAGE.--

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1.05 ft above land-surface datum, June 18, 2005; lowest 3.74 ft below land-surface datum, Aug. 15, 2002.

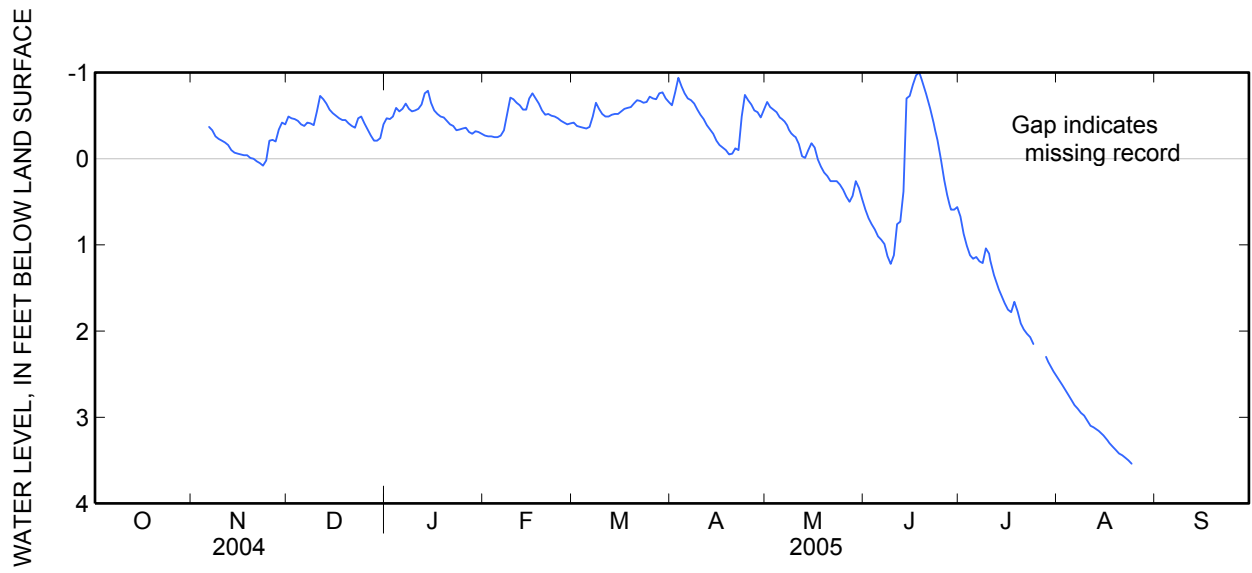
EXTREMES FOR CURRENT YEAR.--Highest water level, 1.05 ft above land surface datum, Jun 18; lowest water level, 3.57 ft below land surface datum, Aug 25.

424347076530202 Local number Se-533, near Romulus, NY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	-0.49	-0.47	-0.27	-0.42	-0.62	-0.66	0.59	0.67	2.56	---
2	---	---	-0.47	-0.46	-0.26	-0.38	-0.77	-0.60	0.69	0.87	2.62	---
3	---	---	-0.46	-0.49	-0.26	-0.37	-0.94	-0.57	0.76	1.01	2.68	---
4	---	---	-0.44	-0.59	-0.25	-0.36	-0.84	-0.54	0.82	1.12	2.74	---
5	---	---	-0.40	-0.55	-0.25	-0.35	-0.76	-0.48	0.90	1.16	2.80	---
6	---	-0.37	-0.38	-0.58	-0.27	-0.37	-0.70	-0.45	0.94	1.14	2.86	---
7	---	-0.33	-0.42	-0.64	-0.33	-0.49	-0.68	-0.41	0.99	1.19	2.90	---
8	---	-0.26	-0.41	-0.58	-0.52	-0.65	-0.64	-0.33	1.13	1.21	2.95	---
9	---	-0.23	-0.39	-0.55	-0.71	-0.58	-0.57	-0.28	1.22	1.04	2.98	---
10	---	-0.21	-0.55	-0.56	-0.69	-0.52	-0.51	-0.25	1.12	1.10	3.04	---
11	---	-0.19	-0.73	-0.58	-0.65	-0.49	-0.46	-0.17	0.76	1.27	3.10	---
12	---	-0.16	-0.69	-0.63	-0.62	-0.49	-0.39	-0.03	0.73	1.40	3.12	---
13	---	-0.10	-0.64	-0.76	-0.57	-0.51	-0.34	-0.01	0.38	1.50	3.14	---
14	---	-0.07	-0.57	-0.79	-0.57	-0.52	-0.29	-0.10	-0.70	1.60	3.17	---
15	---	-0.06	-0.53	-0.65	-0.70	-0.52	-0.21	-0.18	-0.73	1.68	3.21	---
16	---	-0.05	-0.50	-0.56	-0.76	-0.55	-0.16	-0.13	-0.86	1.75	3.25	---
17	---	-0.04	-0.47	-0.52	-0.70	-0.58	-0.13	0.01	-0.97	1.78	3.30	---
18	---	-0.04	-0.45	-0.49	-0.64	-0.59	-0.10	0.09	-1.00	1.66	3.34	---
19	---	-0.01	-0.45	-0.48	-0.56	-0.60	-0.05	0.16	-0.89	1.77	3.38	---
20	---	0.00	-0.41	-0.44	-0.51	-0.64	-0.06	0.20	-0.78	1.91	3.42	---
21	---	0.03	-0.38	-0.40	-0.52	-0.68	-0.12	0.26	-0.64	1.98	3.44	---
22	---	0.05	-0.36	-0.38	-0.50	-0.67	-0.10	0.26	-0.50	2.03	3.47	---
23	---	0.08	-0.47	-0.33	-0.49	-0.65	-0.49	0.26	-0.33	2.07	3.50	---
24	---	0.02	-0.49	-0.34	-0.47	-0.66	-0.74	0.30	-0.17	2.15	3.54	---
25	---	-0.21	-0.41	-0.35	-0.44	-0.72	-0.68	0.36	0.04	---	---	---
26	---	-0.22	-0.34	-0.36	-0.42	-0.70	-0.63	0.44	0.27	---	---	---
27	---	-0.20	-0.27	-0.31	-0.40	-0.69	-0.56	0.50	0.45	---	---	---
28	---	-0.34	-0.21	-0.29	-0.41	-0.76	-0.54	0.43	0.59	2.30	---	---
29	---	-0.42	-0.21	-0.32	---	-0.77	-0.48	0.26	0.59	2.38	---	---
30	---	-0.40	-0.24	-0.31	---	-0.70	-0.57	0.34	0.56	2.45	---	---
31	---	---	-0.40	-0.29	---	-0.66	---	0.47	---	2.51	---	---
Mean	---	---	-0.44	-0.49	-0.49	-0.57	-0.47	-0.03	0.20	---	---	---
Max	---	---	-0.21	-0.29	-0.25	-0.35	-0.05	0.50	1.22	---	---	---
Min	---	---	-0.73	-0.79	-0.76	-0.77	-0.94	-0.66	-1.00	---	---	---

424347076530202 Local number Se-533, near Romulus, NY—Continued



Water-Data Report NY-2005

422445077203301 Local number Sb-472, near Kanona NY

Sand and gravel aquifers (glaciated regions)

Outwash

Steuben County, NY

LOCATION.--Lat 42°24'45", long 77°20'33" referenced to North American Datum of 1927, Steuben County, Hydrologic Unit 02050105, situated between two 36 in. maple trees, 20 ft south of driveway, and 300 ft east of Owens farmhouse, near Kanona.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 17.4 ft. Upper casing diameter 2.5 in; top of first opening 16.3 ft, bottom of last opening 17.4 ft. Cased to 17.4 ft (screen, 16.3 ft to 17.4 ft).

WELL USE.--Observation well.

DATUM.--Land-surface datum is 1209.78 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.99 ft above land-surface datum.

PERIOD OF RECORD.--November 1965 to current year. Records for November 1965 to September 1976 are unpublished and available in files of the Geological Survey. Weekly measurements by observer and periodic tape-downs by USGS personnel Nov. 1965 to Dec. 1997.

GAGE.--Water-stage recorder--hourly; monthly measurement by USGS personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 3.55 ft below land-surface datum, Apr. 4, 2005; lowest measured, 10.84 ft below land-surface datum, Sep. 22, 1966.

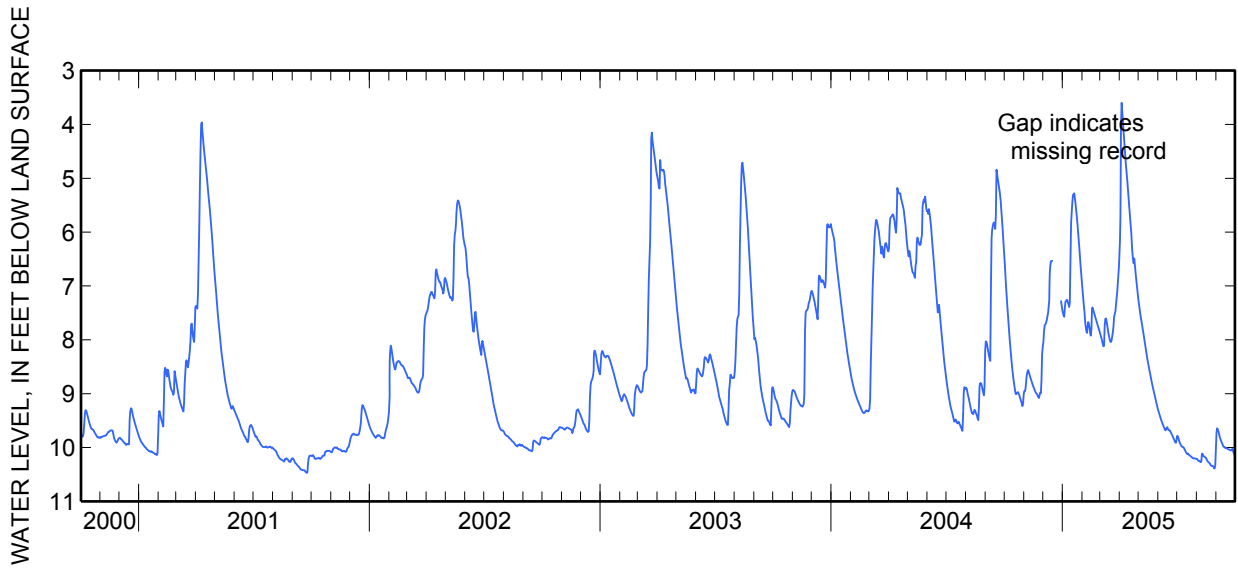
EXTREMES FOR CURRENT YEAR.--Highest water level, 3.55 ft below land surface datum, Apr 4; lowest water level, 10.39 ft below land surface datum, Aug 28, 29.

422445077203301 Local number Sb-472, near Kanona NY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	6.61	8.95	8.04	7.50	7.06	7.87	6.34	7.30	9.31	9.78	10.21	9.72
2	6.79	8.95	7.84	7.54	7.20	7.93	5.86	7.38	9.36	9.80	10.22	9.64
3	6.98	8.88	7.73	7.57	7.34	7.98	4.03	7.47	9.40	9.84	10.24	9.66
4	7.15	8.75	7.71	7.41	7.48	8.04	3.60	7.55	9.43	9.88	10.25	9.70
5	7.35	8.65	7.70	7.29	7.61	8.08	3.73	7.64	9.47	9.92	10.25	9.75
6	7.53	8.58	7.66	7.28	7.74	8.12	3.95	7.71	9.51	9.94	10.26	9.80
7	7.70	8.56	7.60	7.26	7.84	8.11	4.14	7.78	9.54	9.96	10.27	9.83
8	7.85	8.59	7.52	7.26	7.87	7.75	4.33	7.86	9.57	9.98	10.26	9.87
9	8.01	8.65	7.46	7.31	7.76	7.61	4.49	7.94	9.60	9.99	10.11	9.90
10	8.16	8.68	7.35	7.34	7.67	7.60	4.63	8.01	9.63	9.99	10.12	9.93
11	8.30	8.72	6.87	7.39	7.70	7.64	4.78	8.09	9.66	10.00	10.15	9.96
12	8.43	8.76	6.60	7.31	7.77	7.71	4.92	8.17	9.68	10.02	10.16	9.98
13	8.55	8.79	6.54	6.54	7.87	7.79	5.07	8.24	9.67	10.04	10.17	9.99
14	8.66	8.83	6.54	5.84	7.92	7.87	5.22	8.30	9.64	10.07	10.18	9.99
15	8.76	8.86	6.53	5.63	7.81	7.93	5.39	8.37	9.62	10.09	10.19	10.01
16	8.84	8.89	---	5.44	7.42	7.99	5.55	8.44	9.65	10.11	10.21	10.01
17	8.92	8.92	---	5.31	7.40	8.03	5.70	8.51	9.67	10.12	10.24	10.01
18	9.00	8.95	---	5.30	7.45	8.04	5.86	8.57	9.68	10.11	10.25	10.02
19	9.01	8.98	---	5.28	7.50	8.01	6.04	8.63	9.68	10.13	10.27	10.03
20	8.98	8.99	---	5.38	7.54	7.94	6.20	8.69	9.70	10.14	10.28	10.03
21	8.98	9.01	---	5.49	7.55	7.86	6.37	8.76	9.72	10.15	10.29	10.04
22	8.97	9.04	---	5.57	7.60	7.75	6.52	8.82	9.75	10.16	10.31	10.04
23	9.00	9.06	---	5.72	7.64	7.57	6.58	8.88	9.77	10.17	10.33	10.05
24	9.03	9.08	---	5.85	7.68	7.52	6.49	8.93	9.80	10.18	10.34	10.05
25	9.06	9.03	---	5.99	7.71	7.47	6.57	8.98	9.83	10.19	10.34	10.05
26	9.10	8.98	---	6.14	7.76	7.34	6.72	9.03	9.85	10.20	10.34	10.02
27	9.14	8.99	---	6.32	7.81	7.25	6.86	9.08	9.88	10.20	10.35	10.05
28	9.19	8.76	---	6.49	7.84	7.10	7.01	9.13	9.91	10.20	10.38	10.10
29	9.23	8.26	7.28	6.61	---	6.87	7.14	9.18	9.91	10.20	10.39	10.12
30	9.18	8.13	7.36	6.75	---	6.69	7.25	9.22	9.84	10.21	10.33	10.14
31	9.01	---	7.44	6.91	---	6.54	---	9.27	---	10.21	10.03	---
Mean	8.43	8.81	---	6.48	7.63	7.68	5.58	8.38	9.66	10.06	10.25	9.95
Max	9.23	9.08	---	7.57	7.92	8.12	7.25	9.27	9.91	10.21	10.39	10.14
Min	6.61	8.13	---	5.28	7.06	6.54	3.60	7.30	9.31	9.78	10.03	9.64

422445077203301 Local number Sb-472, near Kanona NY—Continued



Water-Data Report NY-2005

421213076313301 Local number Ti-891, near Spencer NY

Sand and gravel aquifers (glaciated regions)

Outwash

Tioga County, NY

LOCATION.--Lat 42°12'12.7", long 76°31'33.4" referenced to North American Datum of 1983, Tioga County, Hydrologic Unit 02050103, next to baseball field backstop in field south of Spencer VanEtten Central School near Spencer.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 53 ft. Upper casing diameter 2 in; top of first opening 48 ft, bottom of last opening 53 ft. Cased to 53 ft (screen, 48 ft to 53 ft).

WELL USE.--Observation well.

DATUM.--Land-surface datum is 1280 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of well casing, 3.94 ft above land-surface datum.

PERIOD OF RECORD.--December 2003 to current year.

GAGE.--Water-stage recorder--hourly; monthly measurements by USGS personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 13.38 ft below land-surface datum, Apr. 3, 2005; lowest 28.12 ft below land-surface datum, Aug. 29, 2005.

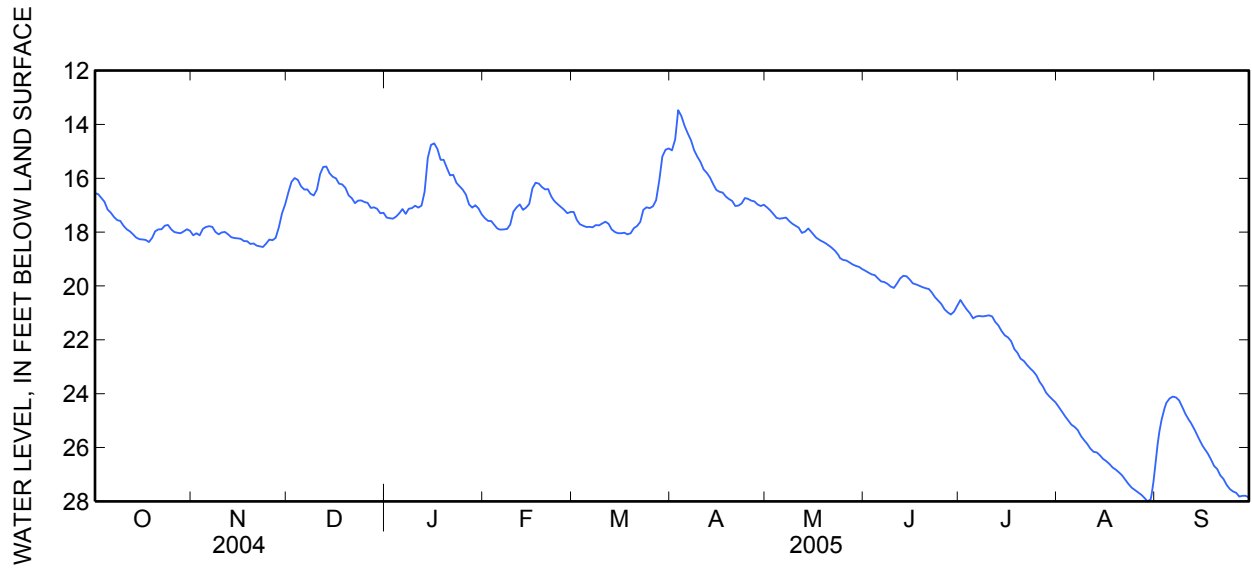
EXTREMES FOR CURRENT YEAR.--Highest water level, 13.38 ft below land surface datum, Apr 3; lowest water level, 28.12 ft below land surface datum, Aug 29.

421213076313301 Local number Ti-891, near Spencer NY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	16.55	18.12	16.51	17.46	17.48	17.25	14.96	17.08	19.43	20.52	24.49	26.11
2	16.59	18.04	16.13	17.48	17.58	17.54	14.56	17.19	19.50	20.71	24.66	25.26
3	16.73	18.12	15.99	17.50	17.59	17.71	13.47	17.33	19.57	20.87	24.84	24.69
4	16.87	17.88	16.06	17.42	17.74	17.76	13.69	17.47	19.60	21.01	24.99	24.34
5	17.16	17.81	16.30	17.30	17.86	17.81	14.05	17.50	19.72	21.20	25.15	24.18
6	17.28	17.78	16.42	17.14	17.91	17.80	14.33	17.48	19.83	21.13	25.23	24.11
7	17.44	17.80	16.41	17.32	17.89	17.82	14.59	17.46	19.85	21.11	25.35	24.14
8	17.55	17.99	16.57	17.13	17.88	17.74	14.96	17.59	19.92	21.13	25.57	24.25
9	17.58	18.08	16.64	17.11	17.72	17.75	15.19	17.69	20.02	21.11	25.72	24.50
10	17.76	18.01	16.42	17.02	17.24	17.68	15.39	17.76	20.07	21.09	25.86	24.75
11	17.89	17.99	15.84	17.09	17.08	17.61	15.67	17.83	19.91	21.13	26.04	24.96
12	17.97	18.08	15.58	17.01	16.97	17.69	15.80	18.03	19.72	21.34	26.16	25.16
13	18.08	18.19	15.56	16.50	17.17	17.90	15.97	17.98	19.62	21.46	26.18	25.36
14	18.20	18.22	15.81	15.24	17.09	17.99	16.21	17.86	19.64	21.67	26.28	25.60
15	18.26	18.23	15.94	14.76	16.95	18.04	16.43	17.99	19.76	21.83	26.42	25.86
16	18.27	18.25	16.00	14.70	16.37	18.04	16.50	18.15	19.90	21.91	26.50	26.04
17	18.29	18.33	16.20	14.91	16.16	18.02	16.53	18.24	19.93	22.05	26.61	26.21
18	18.37	18.34	16.23	15.31	16.20	18.08	16.68	18.32	20.00	22.34	26.74	26.43
19	18.21	18.44	16.35	15.31	16.32	18.04	16.77	18.38	20.04	22.48	26.82	26.68
20	17.97	18.42	16.63	15.61	16.41	17.85	16.84	18.45	20.08	22.70	26.92	26.80
21	17.90	18.50	16.74	15.89	16.40	17.77	17.03	18.55	20.11	22.78	27.03	27.03
22	17.89	18.53	16.92	15.87	16.68	17.62	17.01	18.63	20.24	22.93	27.19	27.17
23	17.76	18.55	16.83	16.17	16.86	17.17	16.93	18.77	20.42	23.06	27.35	27.39
24	17.73	18.42	16.82	16.29	16.97	17.08	16.73	18.96	20.54	23.17	27.49	27.54
25	17.89	18.27	16.88	16.42	17.06	17.11	16.76	19.03	20.67	23.32	27.57	27.63
26	17.99	18.30	16.91	16.60	17.17	17.04	16.83	19.05	20.87	23.56	27.66	27.68
27	18.02	18.21	17.10	16.97	17.30	16.81	16.86	19.12	20.98	23.73	27.74	27.82
28	18.04	17.82	17.08	17.09	17.25	16.07	16.97	19.20	21.06	23.96	27.87	27.79
29	17.97	17.30	17.13	17.00	---	15.19	17.03	19.25	20.95	24.09	28.00	27.79
30	17.89	16.96	17.30	17.12	---	14.94	16.98	19.29	20.73	24.21	27.92	27.86
31	17.95	---	17.28	17.34	---	14.89	---	19.37	---	24.32	27.18	---
Mean	17.74	18.10	16.47	16.52	17.12	17.35	15.92	18.23	20.09	22.19	26.44	26.04
Max	18.37	18.55	17.30	17.50	17.91	18.08	17.03	19.37	21.06	24.32	28.00	27.86
Min	16.55	16.96	15.56	14.70	16.16	14.89	13.47	17.08	19.43	20.52	24.49	24.11

421213076313301 Local number Ti-891, near Spencer NY—Continued



Water-Data Report NY-2005

422920076275301 Local number Tm-985, near Ithaca, New York

New York Clastic-rock aquifers
Genesee Formation
Tompkins County, NY

LOCATION.--Lat 42°29'20", long 76°27'53" referenced to North American Datum of 1983, Tompkins County, Hydrologic Unit 04140201, behind USGS Ithaca, NY district office.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 71 ft. Upper casing diameter 6 in; top of first opening 12 ft, bottom of last opening 71 ft. Cased to 12 ft, open hole.

WELL USE.--Unused.

DATUM.--Land-surface datum is 1058 ft above National Geodetic Vertical Datum of 1929. Measuring point: Base of shelter, 2.32 ft above land-surface datum.

PERIOD OF RECORD.--August 2004 to current year.

GAGE.--Water-stage recorder--hourly; monthly measurements by USGS personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1.66 ft below land-surface datum, Apr. 3, 2005; lowest, 5.57 ft below land-surface datum, Aug. 29, 30, 2005.

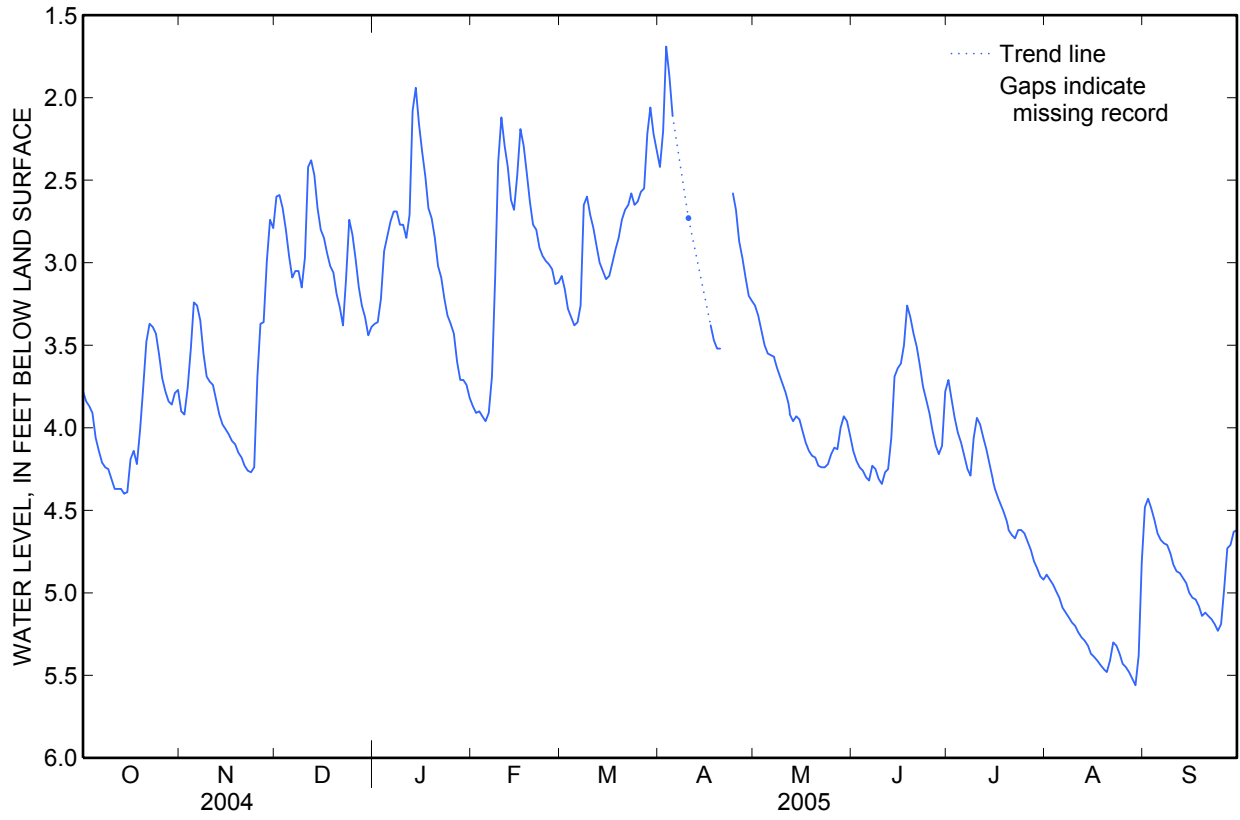
EXTREMES FOR CURRENT YEAR.--Highest water level, 1.66 ft below land surface datum, Apr 3; lowest water level, 5.57 ft below land surface datum, Aug 29, 30.

422920076275301 Local number Tm-985, near Ithaca, New York—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3.78	3.90	2.60	3.37	3.87	3.08	2.42	3.26	4.14	3.71	4.89	4.48
2	3.84	3.92	2.59	3.36	3.91	3.16	2.20	3.32	4.20	3.83	4.92	4.43
3	3.87	3.76	2.67	3.22	3.90	3.28	1.69	3.41	4.24	3.94	4.95	4.49
4	3.91	3.52	2.80	2.93	3.93	3.33	1.87	3.50	4.26	4.03	4.99	4.56
5	4.06	3.24	2.96	2.84	3.96	3.38	2.11	3.55	4.30	4.09	5.03	4.64
6	4.14	3.26	3.09	2.75	3.91	3.36	---	3.56	4.32	4.17	5.09	4.68
7	4.21	3.35	3.05	2.69	3.69	3.26	---	3.57	4.23	4.25	5.12	4.70
8	4.24	3.55	3.05	2.69	3.09	2.65	---	3.64	4.25	4.29	5.15	4.71
9	4.25	3.69	3.15	2.77	2.39	2.60	---	3.70	4.31	4.06	5.18	4.76
10	4.31	3.72	2.97	2.77	2.12	2.71	2.73	3.75	4.34	3.94	5.20	4.83
11	4.37	3.74	2.42	2.85	2.29	2.79	---	3.81	4.27	3.98	5.24	4.87
12	4.37	3.83	2.38	2.71	2.42	2.90	---	3.92	4.25	4.06	5.27	4.88
13	4.37	3.92	2.47	2.08	2.62	3.00	---	3.96	4.06	4.13	5.29	4.91
14	4.40	3.98	2.67	1.94	2.68	3.05	---	3.93	3.69	4.22	5.32	4.94
15	4.39	4.01	2.80	2.16	2.47	3.10	---	3.95	3.64	4.31	5.37	5.00
16	4.19	4.04	2.85	2.33	2.19	3.08	---	4.02	3.61	4.39	5.39	5.03
17	4.14	4.08	2.94	2.48	2.29	3.00	3.38	4.09	3.50	4.44	5.41	5.04
18	4.22	4.10	3.02	2.67	2.46	2.92	3.47	4.14	3.26	4.49	5.44	5.08
19	4.01	4.15	3.06	2.73	2.63	2.85	3.52	4.17	3.33	4.54	5.46	5.14
20	3.76	4.18	3.19	2.85	2.77	2.74	3.52	4.18	3.43	4.62	5.48	5.12
21	3.48	4.23	3.27	3.02	2.80	2.68	---	4.23	3.51	4.65	5.41	5.14
22	3.37	4.26	3.38	3.09	2.91	2.65	---	4.24	3.62	4.67	5.30	5.16
23	3.39	4.27	3.10	3.22	2.96	2.58	---	4.24	3.75	4.62	5.32	5.19
24	3.43	4.24	2.74	3.32	2.99	2.65	2.58	4.22	3.83	4.62	5.37	5.23
25	3.56	3.69	2.83	3.37	3.01	2.63	2.68	4.16	3.91	4.64	5.43	5.19
26	3.70	3.37	2.98	3.43	3.04	2.57	2.87	4.12	4.02	4.69	5.45	4.98
27	3.78	3.36	3.15	3.60	3.13	2.55	2.97	4.13	4.11	4.74	5.48	4.73
28	3.84	2.99	3.26	3.71	3.12	2.22	3.09	4.00	4.16	4.81	5.52	4.71
29	3.86	2.74	3.33	3.71	---	2.06	3.20	3.93	4.11	4.85	5.56	4.63
30	3.79	2.79	3.44	3.74	---	2.22	3.23	3.96	3.78	4.90	5.38	4.62
31	3.77	---	3.39	3.82	---	2.32	---	4.05	---	4.92	4.82	---
Mean	3.96	3.73	2.95	2.97	2.98	2.82	---	3.89	3.95	4.37	5.27	4.86
Max	4.40	4.27	3.44	3.82	3.96	3.38	---	4.24	4.34	4.92	5.56	5.23
Min	3.37	2.74	2.38	1.94	2.12	2.06	---	3.26	3.26	3.71	4.82	4.43

422920076275301 Local number Tm-985, near Ithaca, New York—Continued



Water-Data Report NY-2005

422323076190301 Local number Tm-1968, nr Slaterville Springs, NY

Sand and gravel aquifers (glaciated regions)

Ice-Contact Deposits

Tompkins County, NY

LOCATION.--Lat 42°23'22.8", long 76°19'03.0" referenced to North American Datum of 1983, Tompkins County, Hydrologic Unit 04140201.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 58 ft. Upper casing diameter 6 in; top of first opening 55 ft, bottom of last opening 58 ft. Cased to 58 ft (screen, 55 ft to 58 ft).

WELL USE.--Test hole.

DATUM.--Land-surface datum is 1272 ft above National Geodetic Vertical Datum of 1929. Measuring point: Bottom of shelter at well opening, 1.88 ft above land-surface datum.

PERIOD OF RECORD.--January 2005 to September 2005.

GAGE.--Water-stage recorder--hourly; monthly measurements by USGS personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 10.55 ft below land-surface datum, Apr. 7, 2005; lowest, 20.23 ft below land-surface datum, Sep. 30, 2005.

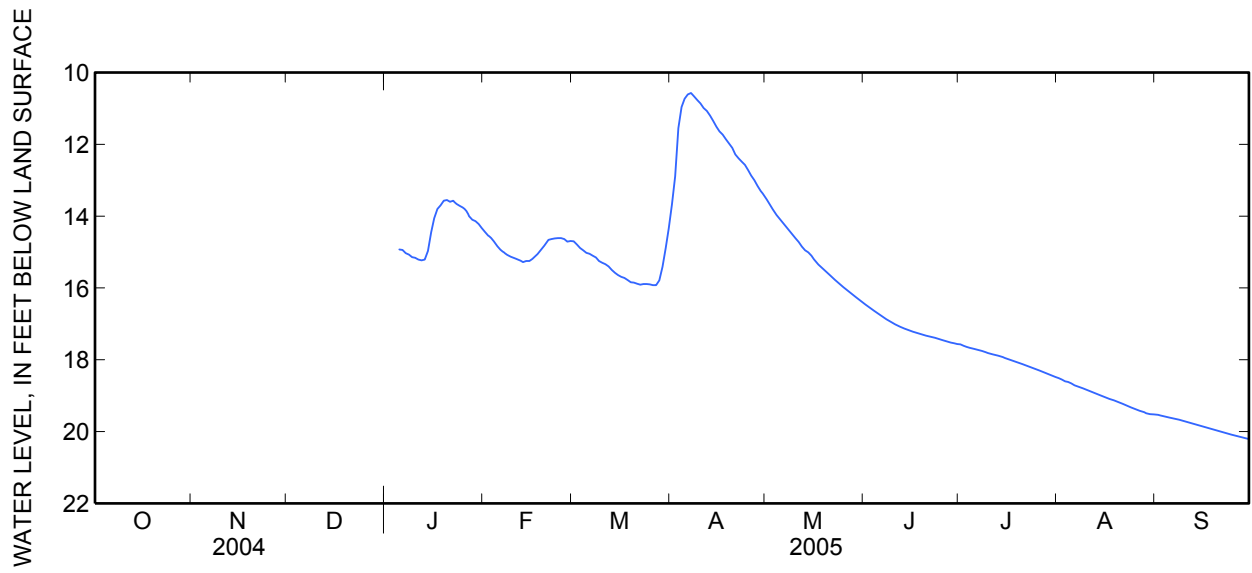
EXTREMES FOR CURRENT YEAR.--Highest water level, 10.55 ft below land surface datum, Apr 7; lowest water level, 20.23 ft below land surface datum, Sep. 30.

422323076190301 Local number Tm-1968, nr Slaterville Springs, NY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	14.44	14.70	13.67	13.56	16.46	17.57	18.51	19.53
2	---	---	---	---	14.54	14.79	12.89	13.69	16.52	17.61	18.55	19.55
3	---	---	---	---	14.61	14.89	11.55	13.83	16.58	17.64	18.60	19.57
4	---	---	---	---	14.73	14.95	10.96	13.97	16.65	17.67	18.62	19.59
5	---	---	---	14.93	14.85	15.02	10.73	14.09	16.72	17.69	18.66	19.61
6	---	---	---	14.94	14.94	15.05	10.61	14.19	16.78	17.71	18.71	19.63
7	---	---	---	15.03	15.01	15.10	10.57	14.28	16.83	17.74	18.74	19.65
8	---	---	---	15.07	15.07	15.15	10.67	14.40	16.89	17.76	18.77	19.67
9	---	---	---	15.14	15.13	15.25	10.77	14.52	16.94	17.79	18.81	19.69
10	---	---	---	15.16	15.16	15.30	10.86	14.62	16.99	17.82	18.84	19.72
11	---	---	---	15.21	15.20	15.34	10.99	14.72	17.04	17.84	18.88	19.74
12	---	---	---	15.23	15.22	15.40	11.07	14.85	17.08	17.87	18.92	19.77
13	---	---	---	15.21	15.28	15.50	11.20	14.95	17.12	17.89	18.95	19.80
14	---	---	---	14.97	15.25	15.58	11.35	15.01	17.15	17.91	18.98	19.82
15	---	---	---	14.45	15.25	15.64	11.51	15.10	17.18	17.95	19.02	19.85
16	---	---	---	14.06	15.18	15.69	11.64	15.22	17.22	17.98	19.05	19.87
17	---	---	---	13.80	15.12	15.72	11.73	15.33	17.25	18.01	19.09	19.90
18	---	---	---	13.70	15.01	15.78	11.86	15.42	17.28	18.04	19.12	19.92
19	---	---	---	13.57	14.90	15.84	11.98	15.50	17.30	18.07	19.15	19.95
20	---	---	---	13.55	14.79	15.85	12.10	15.57	17.32	18.10	19.18	19.97
21	---	---	---	13.60	14.66	15.88	12.28	15.66	17.34	18.14	19.22	19.99
22	---	---	---	13.57	14.64	15.91	12.39	15.74	17.37	18.17	19.26	20.02
23	---	---	---	13.66	14.62	15.89	12.48	15.81	17.39	18.20	19.30	20.05
24	---	---	---	13.71	14.61	15.89	12.57	15.90	17.42	18.24	19.33	20.07
25	---	---	---	13.76	14.61	15.90	12.72	15.97	17.44	18.27	19.37	20.10
26	---	---	---	13.84	14.64	15.92	12.87	16.05	17.47	18.30	19.40	20.12
27	---	---	---	14.00	14.71	15.92	13.00	16.12	17.50	18.34	19.43	20.14
28	---	---	---	14.10	14.69	15.79	13.16	16.18	17.52	18.37	19.46	20.17
29	---	---	---	14.14	---	15.41	13.30	16.25	17.54	18.41	19.50	20.19
30	---	---	---	14.22	---	14.89	13.41	16.32	17.56	18.45	19.52	20.21
31	---	---	---	14.33	---	14.34	---	16.39	---	18.48	19.52	---
Mean	---	---	---	---	14.89	15.43	11.90	15.14	17.13	18.00	19.05	19.86
Max	---	---	---	---	15.28	15.92	13.67	16.39	17.56	18.48	19.52	20.21
Min	---	---	---	---	14.44	14.34	10.57	13.56	16.46	17.57	18.51	19.53

422323076190301 Local number Tm-1968, nr Slaterville Springs, NY—Continued



Water-Data Report NY-2005

430403077190201 Local number Wn-592, at Macedon, NY

Sand and Gravel Aquifer (glaciated regions)

Outwash

Wayne County, NY

LOCATION.--Lat 43°04'03", long 77°19'02" referenced to North American Datum of 1983, Wayne County, Hydrologic Unit 04140201, Behind pumphouse on Kemp Road on the east side of Macedon.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 22 ft. Upper casing diameter undefined; top of first opening 22 ft, bottom of last opening undefined. Cased to 22 ft, open end.

WELL USE.--Observation well.

DATUM.--Land-surface datum is 490 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of well casing, 3.67 ft above land-surface datum.

PERIOD OF RECORD.--March 2004 to current year.

GAGE.--Water-stage recorder--hourly; monthly measurements by USGS personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.65 ft below land-surface datum, Apr. 6, 7, 2005; lowest, 9.43 ft below land-surface datum, Aug. 27, 2005.

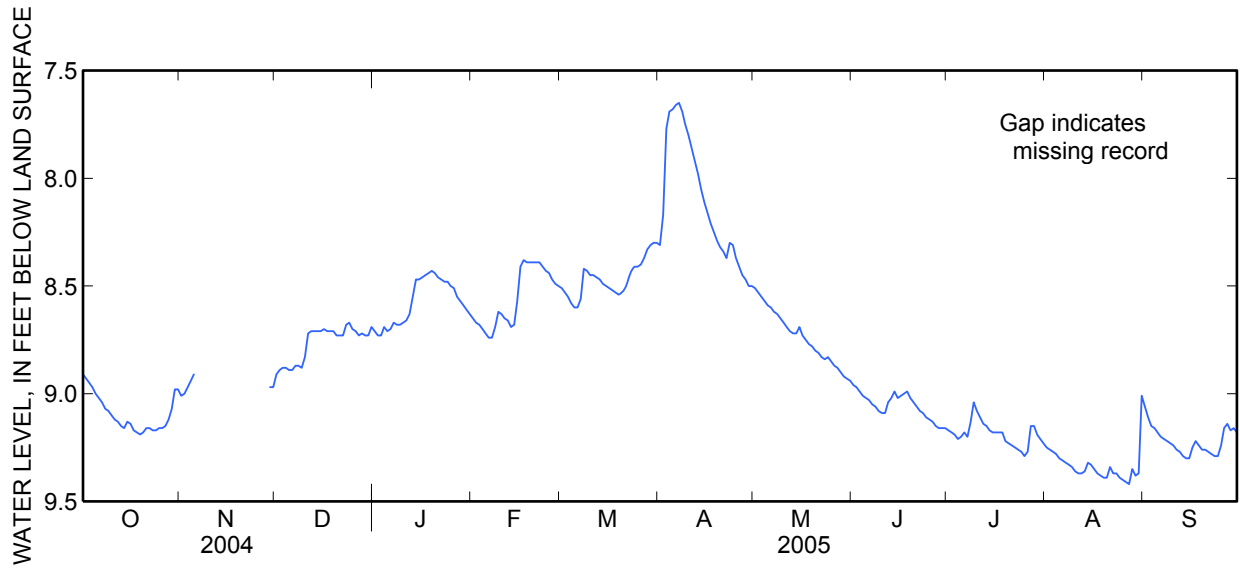
EXTREMES FOR CURRENT YEAR.--Highest water level, 7.65 ft below land surface datum, Apr 6, 7; lowest water level, 9.43 ft below land surface datum, Aug 27.

430403077190201 Local number Wn-592, at Macedon, NY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	8.91	9.01	8.91	8.71	8.65	8.51	8.31	8.51	8.96	9.17	9.25	9.06
2	8.93	9.00	8.89	8.73	8.67	8.53	8.17	8.53	8.97	9.18	9.26	9.11
3	8.95	8.97	8.88	8.73	8.68	8.55	7.77	8.55	8.99	9.19	9.27	9.15
4	8.97	8.94	8.88	8.69	8.70	8.58	7.69	8.57	9.01	9.21	9.28	9.16
5	9.00	8.91	8.89	8.71	8.72	8.60	7.68	8.59	9.02	9.20	9.30	9.18
6	9.02	---	8.89	8.70	8.74	8.60	7.66	8.60	9.03	9.18	9.31	9.20
7	9.04	---	8.87	8.67	8.74	8.56	7.65	8.62	9.05	9.20	9.32	9.21
8	9.07	---	8.87	8.68	8.69	8.42	7.69	8.63	9.06	9.13	9.33	9.22
9	9.08	---	8.88	8.68	8.62	8.43	7.75	8.65	9.08	9.04	9.34	9.23
10	9.10	---	8.83	8.67	8.63	8.45	7.80	8.67	9.09	9.08	9.36	9.24
11	9.12	---	8.72	8.66	8.65	8.45	7.86	8.69	9.09	9.11	9.37	9.26
12	9.13	---	8.71	8.63	8.66	8.46	7.92	8.71	9.04	9.14	9.37	9.27
13	9.15	---	8.71	8.55	8.69	8.47	7.98	8.72	9.02	9.15	9.36	9.29
14	9.16	---	8.71	8.47	8.68	8.49	8.05	8.72	8.99	9.17	9.32	9.30
15	9.13	---	8.71	8.47	8.57	8.50	8.11	8.69	9.02	9.18	9.33	9.30
16	9.14	---	8.70	8.46	8.41	8.51	8.16	8.73	9.01	9.18	9.35	9.25
17	9.17	---	8.71	8.45	8.38	8.52	8.21	8.75	9.00	9.18	9.37	9.22
18	9.18	---	8.71	8.44	8.39	8.53	8.25	8.77	8.99	9.18	9.38	9.24
19	9.19	---	8.71	8.43	8.39	8.54	8.29	8.78	9.02	9.22	9.39	9.26
20	9.18	---	8.73	8.44	8.39	8.53	8.32	8.80	9.04	9.23	9.39	9.26
21	9.16	---	8.73	8.46	8.39	8.51	8.34	8.81	9.06	9.24	9.34	9.27
22	9.16	---	8.73	8.47	8.39	8.47	8.37	8.83	9.08	9.25	9.37	9.28
23	9.17	---	8.68	8.48	8.41	8.43	8.30	8.84	9.09	9.26	9.37	9.29
24	9.17	---	8.67	8.48	8.43	8.41	8.31	8.83	9.11	9.27	9.39	9.29
25	9.16	---	8.70	8.50	8.44	8.41	8.37	8.85	9.12	9.29	9.40	9.24
26	9.16	---	8.71	8.51	8.47	8.40	8.41	8.87	9.13	9.27	9.41	9.16
27	9.15	---	8.73	8.55	8.49	8.37	8.45	8.88	9.15	9.15	9.42	9.14
28	9.12	---	8.72	8.57	8.50	8.33	8.47	8.90	9.16	9.15	9.35	9.17
29	9.07	8.97	8.73	8.59	---	8.31	8.50	8.92	9.16	9.19	9.38	9.16
30	8.98	8.97	8.73	8.61	---	8.30	8.50	8.93	9.16	9.21	9.37	9.18
31	8.98	---	8.69	8.63	---	8.30	---	8.94	---	9.23	9.01	---
Mean	9.09	---	8.77	8.57	8.56	8.47	8.11	8.74	9.06	9.19	9.34	9.22
Max	9.19	---	8.91	8.73	8.74	8.60	8.50	8.94	9.16	9.29	9.42	9.30
Min	8.91	---	8.67	8.43	8.38	8.30	7.65	8.51	8.96	9.04	9.01	9.06

430403077190201 Local number Wn-592, at Macedon, NY—Continued



Water-Data Report NY-2005

423743078070802 Local number Wo-4, near Gainesville NY

Sand and Gravel Aquifers (glacial regions)

Outwash

Wyoming County, NY

LOCATION.--Lat 42°37'43", long 78°07'08" referenced to North American Datum of 1927, Wyoming County, Hydrologic Unit 04130002, on Letchworth Central School property, on County Road 40, 0.1 mi south of School Road, and 1.0 mi southeast of Gainesville.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 20.3 ft. Upper casing diameter 6 in; top of first opening undefined, bottom of last opening undefined. Cased to 20 ft, open end.

WELL USE.--Observation well.

DATUM.--Land-surface datum is 1606.76 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.64 ft above land-surface datum.

PERIOD OF RECORD.--May 1974 to current year. Records for May 1974 to September 1976 are unpublished and available in files of the Geological Survey.

REVISED RECORDS.--WDR NY-91-3: 1990.

GAGE.--Water-stage recorder--15 minute; periodic measurements by USGS personnel.

REMARKS.--Well drilled May 1974 as a replacement for 423743078070801 (local number Wo 2), located 25 ft southeast, which had a period of record from November 1965 to May 1974 (unpublished). Water level may be affected by periodic water-quality sampling by county health department. Satellite water-level telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.89 ft below land-surface datum, Mar. 5, 1976; lowest, 14.00 ft below land-surface datum, Nov. 3, 1974.

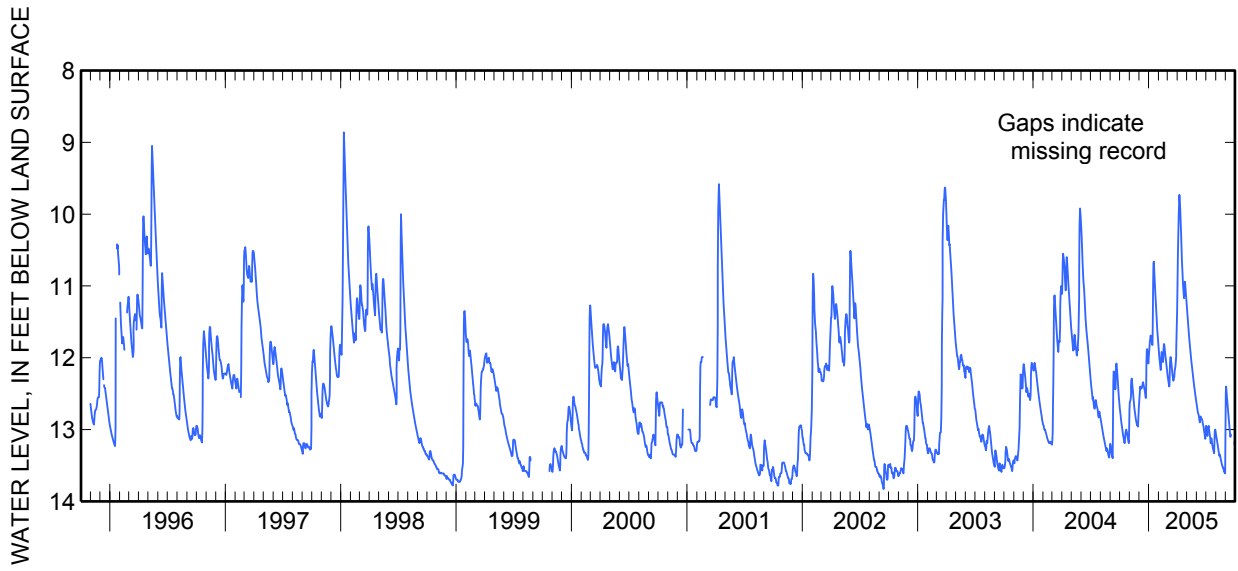
EXTREMES FOR CURRENT YEAR.--Highest water level, 9.71 ft below land surface datum, Apr 7; lowest water level, 13.61 ft below land surface datum, Aug 29, 30.

423743078070802 Local number Wo-4, near Gainesville NY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	12.71	12.62	12.63	11.93	11.90	12.25	11.10	11.30	12.65	12.95	13.07	12.49
2	12.75	12.61	12.51	11.85	11.95	12.29	10.92	11.36	12.68	13.00	13.10	12.40
3	12.79	12.59	12.42	11.83	12.00	12.33	10.42	11.43	12.71	13.03	13.13	12.43
4	12.83	12.56	12.40	11.78	12.06	12.35	10.11	11.51	12.74	13.07	13.15	12.50
5	12.87	12.44	12.41	11.73	12.11	12.38	9.92	11.56	12.77	13.09	13.18	12.56
6	12.91	12.33	12.43	11.69	12.15	12.40	9.77	11.59	12.78	12.98	13.21	12.62
7	12.95	12.29	12.43	11.70	12.17	12.39	9.73	11.64	12.79	12.99	13.24	12.67
8	12.98	12.32	12.43	11.71	12.15	12.17	9.79	11.70	12.82	12.97	13.27	12.73
9	13.01	12.37	12.42	11.75	12.00	12.04	9.89	11.75	12.85	12.95	13.30	12.79
10	13.04	12.41	12.40	11.78	11.92	11.99	9.99	11.81	12.88	12.99	13.33	12.85
11	13.08	12.46	12.38	11.82	11.93	11.99	10.11	11.87	12.90	13.03	13.36	12.90
12	13.10	12.51	12.35	11.82	11.97	12.02	10.22	11.94	12.82	13.06	13.37	12.95
13	13.13	12.57	12.34	11.44	12.03	12.08	10.35	11.98	12.82	13.09	13.35	13.00
14	13.15	12.62	12.36	10.93	12.06	12.13	10.49	12.01	12.82	13.13	13.37	13.05
15	13.18	12.66	12.38	10.69	12.03	12.18	10.63	12.05	12.84	13.19	13.39	13.10
16	13.19	12.70	12.39	10.66	11.89	12.22	10.74	12.09	12.85	13.18	13.41	13.10
17	13.12	12.74	12.42	10.76	11.81	12.26	10.82	12.14	12.85	13.12	13.43	13.07
18	13.08	12.78	12.44	10.87	11.81	12.29	10.91	12.17	12.86	13.13	13.45	---
19	13.04	12.82	12.47	10.94	11.85	12.32	10.99	12.21	12.89	13.17	13.46	---
20	13.01	12.85	12.51	11.04	11.90	12.31	11.06	12.25	12.91	13.21	13.49	---
21	13.00	12.87	12.53	11.14	11.93	12.28	11.14	12.30	12.93	13.23	13.51	---
22	13.02	12.90	12.56	11.21	11.98	12.27	11.17	12.33	12.95	13.25	13.52	---
23	13.04	12.92	12.46	11.30	12.02	12.19	11.07	12.37	12.98	13.28	13.53	---
24	13.07	12.94	12.07	11.36	12.06	12.15	10.97	12.40	13.01	13.29	13.53	---
25	13.10	12.92	11.90	11.43	12.10	12.13	10.94	12.43	13.04	13.32	13.55	---
26	13.12	12.94	11.88	11.49	12.15	12.12	10.98	12.46	13.08	13.33	13.57	---
27	13.15	12.96	11.93	11.59	12.19	12.05	11.04	12.49	13.10	13.17	13.59	---
28	13.17	12.87	11.98	11.67	12.22	11.89	11.13	12.52	13.13	13.03	13.57	13.20
29	13.19	12.75	12.03	11.71	---	11.63	11.19	12.56	13.05	13.00	13.60	13.18
30	12.99	12.70	12.08	11.77	---	11.40	11.23	12.59	12.95	13.01	13.61	13.15
31	12.72	---	12.06	11.84	---	11.21	---	12.62	---	13.04	13.03	---
Mean	13.02	12.67	12.32	11.46	12.01	12.12	10.63	12.05	12.88	13.11	13.38	---
Max	13.19	12.96	12.63	11.93	12.22	12.40	11.23	12.62	13.13	13.33	13.61	---
Min	12.71	12.29	11.88	10.66	11.81	11.21	9.73	11.30	12.65	12.95	13.03	---

423743078070802 Local number Wo-4, near Gainesville NY—Continued



Water-Data Report NY-2005

423143076582601 Local number Ya-180, Dundee NY

Sand and Gravel Aquifers (glaciated regions)

Outwash

Yates County, NY

LOCATION.--Lat 42°31'43.7", long 76°58'26.4" referenced to North American Datum of 1983, Yates County, Hydrologic Unit is unknown, on gravel utility road just north of Dundee Central School at Dundee.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 14.24 ft. Upper casing diameter 5 in; top of first opening 4.44 ft, bottom of last opening 14.24 ft. Cased to 14.24 ft (screen, 4.44 ft to 14.24).

WELL USE.--Observation well.

DATUM.--Land-surface datum is 990 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of well casing, 3.14 ft above land-surface datum.

PERIOD OF RECORD.--March 2004 to current year.

GAGE.--Water-stage recorder--hourly; monthly measurements by USGS personnel.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1.25 ft below land-surface datum, Apr. 3, 2005; lowest, 5.40 ft below land-surface datum, Aug. 29, 2005.

EXTREMES FOR CURRENT YEAR.--Highest water level, 1.25 ft below land surface datum, Apr 3; lowest water level, 5.40 ft below land surface datum, Aug 29.

423143076582601 Local number Ya-180, Dundee NY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3.56	3.90	3.82	3.68	3.61	3.54	2.84	3.65	4.04	4.14	4.73	4.53
2	3.59	3.91	3.80	3.70	3.63	3.58	2.21	3.66	4.05	4.17	4.75	4.67
3	3.61	3.88	3.77	3.69	3.64	3.61	1.51	3.68	4.05	4.20	4.76	4.73
4	3.64	3.89	3.77	3.55	3.67	3.63	1.92	3.69	4.05	4.28	4.77	4.82
5	3.68	3.87	3.79	3.52	3.69	3.65	2.24	3.71	4.07	4.25	4.80	4.94
6	3.70	3.86	3.77	3.45	3.70	3.66	2.45	3.72	4.01	4.21	4.81	5.01
7	3.74	3.89	3.76	3.37	3.69	3.61	2.60	3.74	4.01	4.23	4.82	4.99
8	3.77	3.90	3.76	3.36	3.61	3.40	2.74	3.75	4.05	4.22	4.84	4.97
9	3.79	3.90	3.76	3.36	3.51	3.39	2.87	3.78	4.10	4.23	4.84	4.97
10	3.79	3.91	3.64	3.37	3.45	3.38	2.98	3.78	4.06	4.28	4.86	4.99
11	3.80	3.91	3.35	3.36	3.42	3.40	3.07	3.80	3.99	4.38	4.88	5.12
12	3.81	3.95	3.30	3.27	3.40	3.43	3.15	3.81	4.03	4.38	4.88	5.16
13	3.82	3.95	3.31	2.91	3.40	3.47	3.22	3.82	4.01	4.40	4.85	5.14
14	3.83	4.01	3.36	2.49	3.38	3.50	3.30	3.82	3.79	4.41	4.87	5.14
15	3.81	3.99	3.41	2.53	3.30	3.53	3.36	3.84	3.89	4.43	4.99	5.14
16	3.82	4.02	3.45	2.68	3.10	3.55	3.41	3.87	3.87	4.45	5.07	5.12
17	3.85	4.02	3.50	2.81	3.05	3.57	3.45	3.87	3.86	4.50	5.13	5.11
18	3.90	4.05	3.53	2.93	3.10	3.57	3.49	3.88	3.83	4.48	5.20	5.26
19	3.79	4.04	3.58	3.00	3.16	3.55	3.53	3.89	3.88	4.50	5.24	5.30
20	3.81	4.07	3.63	3.08	3.21	3.49	3.57	3.90	3.93	4.53	5.28	5.23
21	3.82	4.07	3.67	3.16	3.24	3.43	3.60	3.91	3.93	4.53	5.32	5.23
22	3.79	4.11	3.70	3.22	3.30	3.34	3.62	3.94	3.94	4.53	5.35	5.25
23	3.81	4.11	3.65	3.29	3.34	3.26	3.57	3.94	3.96	4.56	5.29	5.27
24	3.80	4.10	3.61	3.33	3.38	3.24	3.53	3.93	3.99	4.59	5.27	5.27
25	3.83	4.09	3.65	3.38	3.42	3.21	3.61	3.93	4.02	4.68	5.26	5.27
26	3.84	4.10	3.67	3.42	3.46	3.16	3.61	3.95	4.05	4.67	5.26	5.30
27	3.86	4.12	3.72	3.48	3.50	3.08	3.61	3.96	4.12	4.62	5.26	5.25
28	3.86	3.96	3.72	3.52	3.52	2.75	3.62	3.96	4.13	4.61	5.25	5.27
29	3.87	3.94	3.70	3.53	---	2.67	3.64	4.00	4.11	4.66	5.38	5.23
30	3.85	3.93	3.70	3.56	---	2.75	3.64	4.04	4.11	4.69	5.22	5.23
31	3.90	---	3.69	3.59	---	2.78	---	4.03	---	4.70	4.49	---
Mean	3.79	3.98	3.63	3.28	3.42	3.36	3.13	3.85	4.00	4.44	5.02	5.10
Max	3.90	4.12	3.82	3.70	3.70	3.66	3.64	4.04	4.13	4.70	5.38	5.30
Min	3.56	3.86	3.30	2.49	3.05	2.67	1.51	3.65	3.79	4.14	4.49	4.53

423143076582601 Local number Ya-180, Dundee NY—Continued

