



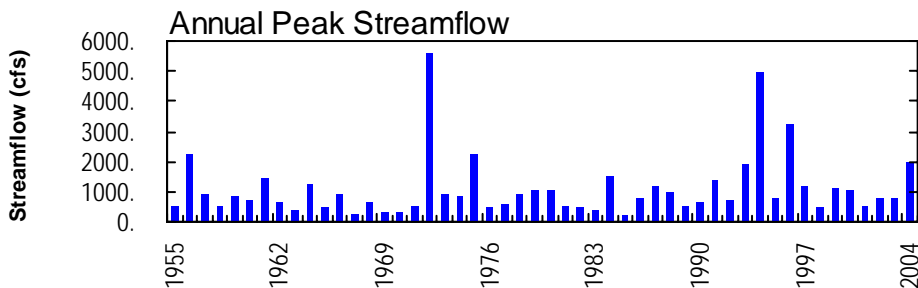
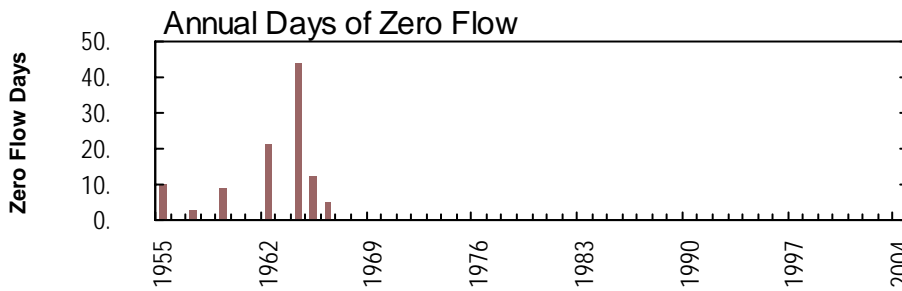
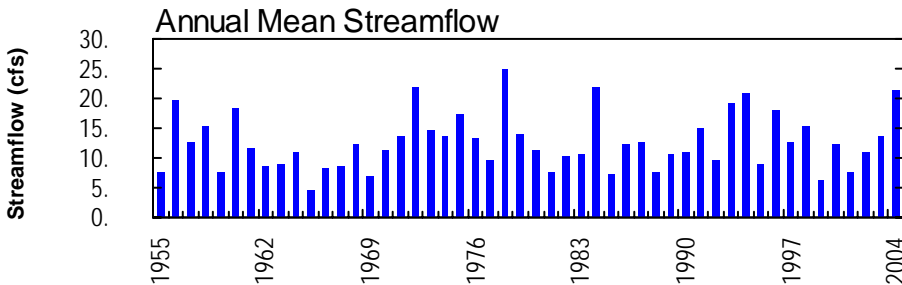
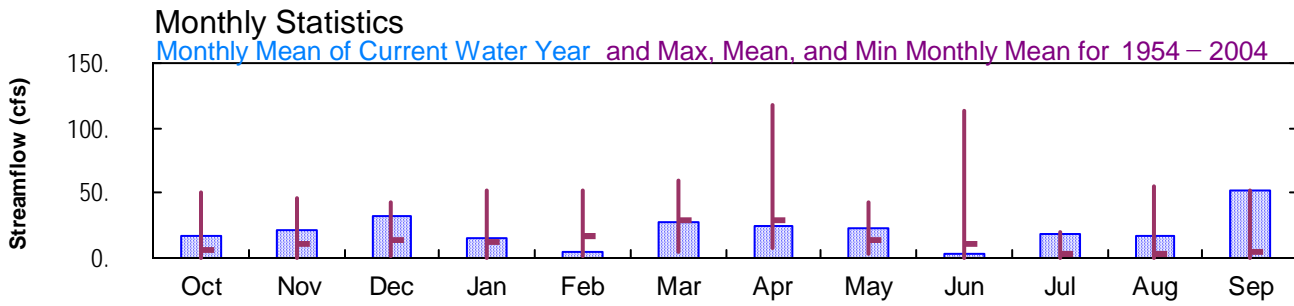
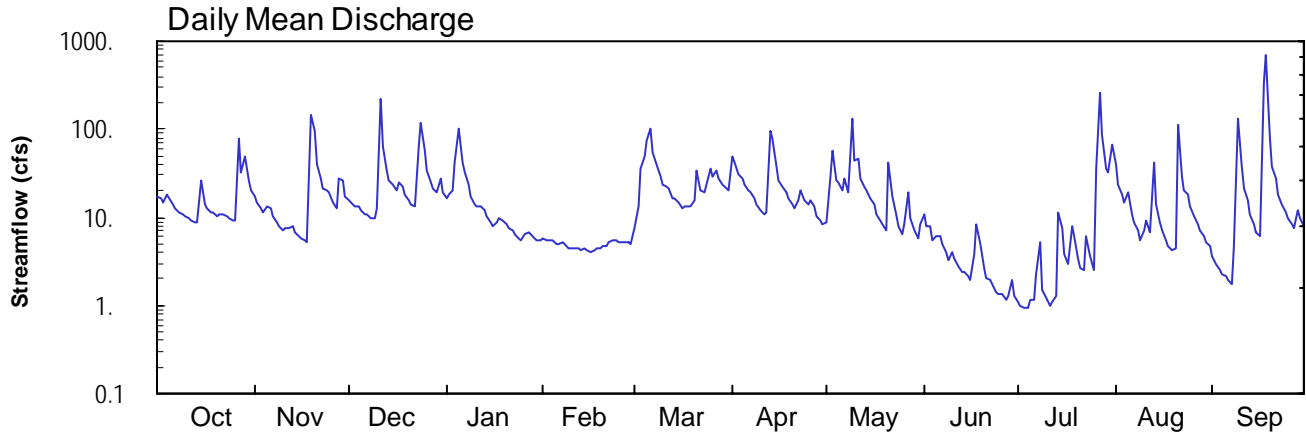
2004 Water Year CHEMUNG RIVER BASIN

01516500 Corey Creek near Mainesburg, PA

Latitude: 41° 47' 27"
Tioga County

Longitude: 077° 00' 54"
Datum: 1337.50 feet

Hydrologic Unit Code: 02050104
Drainage Area: 12.2 mi²



CHEMUNG RIVER BASIN

01516500 COREY CREEK NEAR MAINESBURG, PA

LOCATION.--Lat 41°47'27", long 77°00'54", Tioga County, Hydrologic Unit 02050104, on right bank 30 ft upstream from bridge on Township Route 818, 500 ft upstream from small left-bank tributary, 1.1 mi west of Mainesburg, 3.5 mi east of Mansfield, and 4.2 mi upstream from mouth.

DRAINAGE AREA.--12.2 mi².

PERIOD OF RECORD.--May 1954 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,337.50 ft above National Geodetic Vertical Datum of 1929. Prior to June 28, 1954, nonrecording gage at site 30 ft downstream at same datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Several measurements of water temperature were made during the year. Satellite telemetry at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 280 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Nov. 19	1645	401	4.27	July 27	1515	975	5.84
Dec. 11	0915	524	4.68	Aug. 21	1030	293	3.83
Dec. 24	1445	318	3.94	Sept. 9	0515	293	3.83
Apr. 13	2015	313	3.92	Sept. 18	0300	*1,960	*7.58
May 9	0515	374	4.17				

**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	17	17	16	16	e5.7	e7.5	49	8.7	11	1.1	39	3.7
2	16	15	14	18	e5.4	e14	42	28	8.0	1.0	24	2.9
3	15	13	e13	20	e5.4	e36	30	58	8.0	0.94	18	2.5
4	18	11	e13	42	e5.4	e49	28	26	5.5	0.92	15	2.3
5	17	13	e12	103	e5.1	e73	23	25	6.1	1.2	19	2.1
6	14	13	11	41	e5.0	102	20	20	6.1	1.2	11	1.9
7	12	10	e11	e32	e5.3	54	19	28	5.1	2.3	9.0	1.7
8	11	8.8	e10	e23	e4.8	40	16	19	4.1	5.3	7.1	4.5
9	11	7.9	9.6	e17	e4.4	29	14	132	3.3	1.5	5.5	131
10	10	7.2	13	e14	e4.6	24	12	43	4.0	1.2	7.0	37
11	9.6	7.4	226	e13	e4.5	22	11	47	3.5	1.0	9.5	22
12	9.3	7.4	63	e13	e4.4	21	11	28	2.8	1.1	6.7	16
13	8.7	7.8	34	e12	e4.3	17	97	23	2.4	1.3	41	11
14	8.6	6.7	26	e10	e4.5	e16	76	20	2.3	11	14	8.1
15	27	6.0	24	e8.8	e4.2	15	37	16	2.1	7.4	8.7	6.8
16	14	5.9	21	e8.0	e4.0	13	27	14	1.9	3.7	7.0	6.2
17	12	5.6	25	e8.7	e4.2	e13	22	11	3.7	2.9	5.5	336
18	11	5.3	22	e9.8	e4.4	e13	20	9.3	8.3	7.9	4.7	705
19	11	146	18	e9.1	e4.4	13	17	8.5	5.0	6.0	4.2	77
20	10	96	15	e8.2	e4.6	e15	14	7.0	2.6	3.5	4.5	38
21	11	40	14	7.5	e4.8	e34	13	41	2.1	2.6	115	28
22	11	27	13	7.1	e5.2	e20	15	17	2.0	2.5	29	18
23	10	21	63	6.5	e5.4	e19	20	11	1.7	6.2	20	14
24	9.8	20	116	e5.9	e5.4	23	16	7.7	1.4	3.7	19	12
25	9.2	19	58	e5.6	e5.3	35	14	6.3	1.4	2.6	14	9.8
26	9.2	15	35	e6.4	e5.2	29	16	8.5	1.3	35	10	8.5
27	80	13	25	e6.7	e5.1	34	13	20	1.2	256	8.2	7.5
28	32	27	21	e6.3	e5.3	27	10	10	1.2	85	7.1	12
29	49	26	19	e5.7	e5.1	23	9.2	7.2	2.0	35	6.2	9.9
30	27	17	27	e5.5	---	21	8.4	5.6	1.3	33	5.2	7.8
31	20	---	19	e5.6	---	20	---	8.3	---	65	4.7	---
TOTAL	530.4	635.0	1006.6	495.4	141.4	871.5	719.6	714.1	111.4	589.06	498.8	1543.2
MEAN	17.1	21.2	32.5	16.0	4.88	28.1	24.0	23.0	3.71	19.0	16.1	51.4
MAX	80	146	226	103	5.7	102	97	132	11	256	115	705
MIN	8.6	5.3	9.6	5.5	4.0	7.5	8.4	5.6	1.2	0.92	4.2	1.7
CFSM	1.40	1.73	2.66	1.31	0.40	2.30	1.97	1.89	0.30	1.56	1.32	4.22
IN.	1.62	1.94	3.07	1.51	0.43	2.66	2.19	2.18	0.34	1.80	1.52	4.71

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2004, BY WATER YEAR (WY)

MEAN	6.40	10.6	14.3	12.1	16.2	28.7	28.6	14.2	10.0	3.41	3.13	4.09
MAX	51.0	45.4	42.7	52.4	52.4	60.4	118	42.7	114	19.9	55.2	51.4
(WY)	1956	1978	1974	1996	1984	1964	1993	1989	1972	1994	1994	2004
MIN	0.15	0.48	0.80	0.75	1.71	4.88	8.19	2.88	0.69	0.10	0.07	0.00
(WY)	1964	1965	1999	1961	1963	1965	1955	1999	1991	1966	1964	1964

e Estimated.

CHEMUNG RIVER BASIN

01516500 COREY CREEK NEAR MAINESBURG, PA--Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1954 - 2004	
ANNUAL TOTAL	6550.8		7856.46			
ANNUAL MEAN	17.9		21.5		12.6	
HIGHEST ANNUAL MEAN					24.9	1978
LOWEST ANNUAL MEAN					4.82	1965
HIGHEST DAILY MEAN	331	Jun 21	705	Sep 18	1910	Jun 22 1972
LOWEST DAILY MEAN	1.1	Aug 28	0.92	Jul 4	0.00	Jul 11 1955
ANNUAL SEVEN-DAY MINIMUM	1.3	Aug 25	1.1	Jun 30	0.00	Aug 17 1959
MAXIMUM PEAK FLOW			a1960	Sep 18	a5580	Jun 23 1972
MAXIMUM PEAK STAGE			7.58	Sep 18	b10.44	Jun 23 1972
ANNUAL RUNOFF (CFSM)	1.47		1.76		1.04	
ANNUAL RUNOFF (INCHES)	19.97		23.96		14.08	
10 PERCENT EXCEEDS	36		39		28	
50 PERCENT EXCEEDS	9.1		11		4.5	
90 PERCENT EXCEEDS	2.2		2.9		0.52	

- a** From rating curve extended above 490 ft³/s on basis of slope-area measurement at gage height 7.88 ft and at peak flow.
- b** From floodmark.