



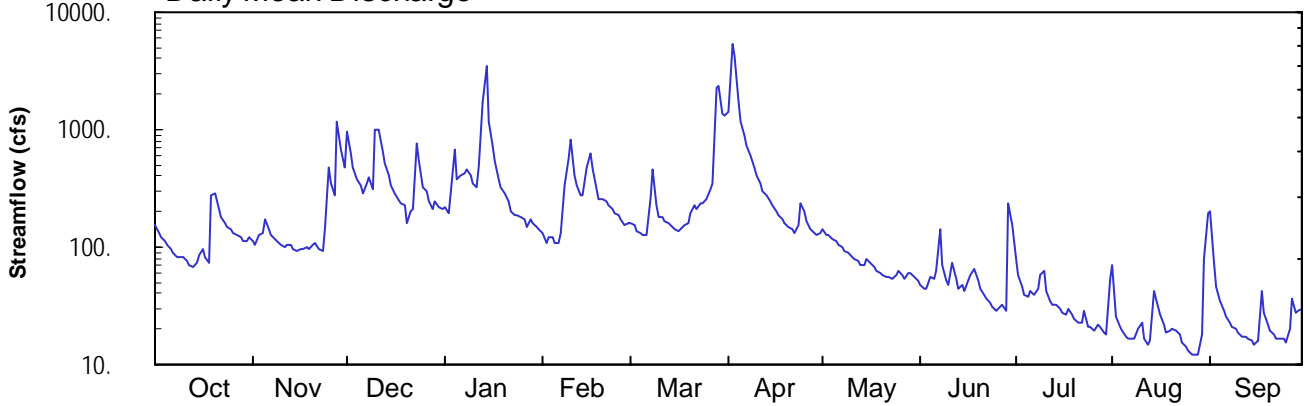
2005 Water Year
CHEMUNG RIVER BASIN
01516350 Tioga River near Mansfield, PA

Latitude: 41° 47' 39"
Tioga County

Longitude: 077° 04' 50"
Datum: 1121.28 feet

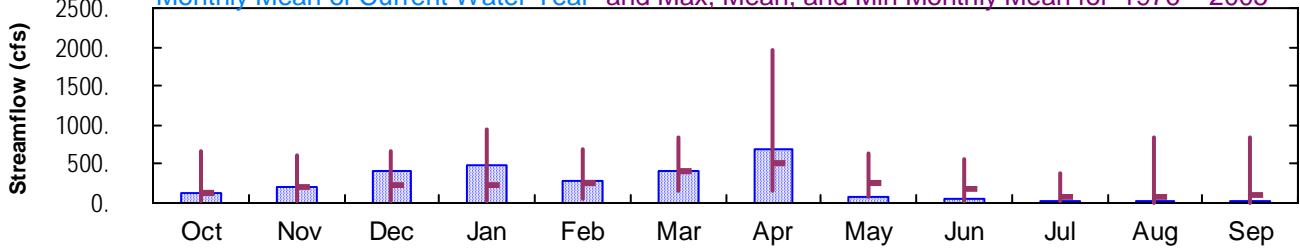
Hydrologic Unit Code: 02050104
Drainage Area: 153. mi²

Daily Mean Discharge

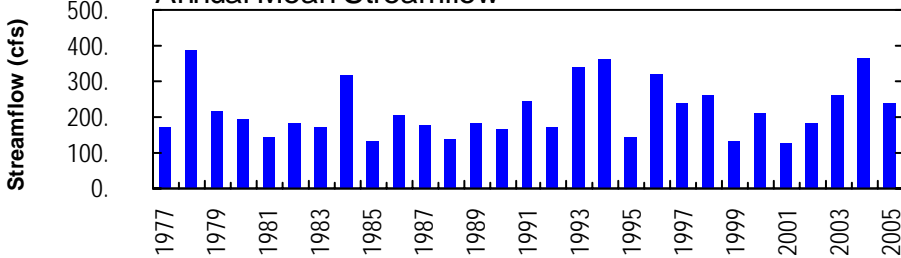


Monthly Statistics

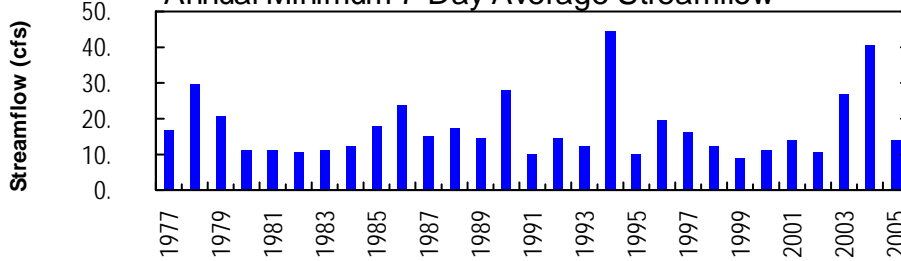
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1976 – 2005



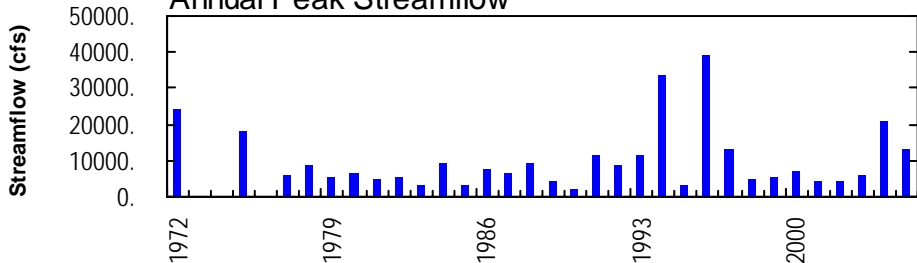
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



SURFACE-WATER RECORDS
NORTH ATLANTIC SLOPE BASINS
SUSQUEHANNA RIVER BASIN
CHEMUNG RIVER BASIN

01516350 TIOGA RIVER NEAR MANSFIELD, PA

LOCATION.--Lat 41°47'49", long 77°04'50", Tioga County, Hydrologic Unit 02050104, on left bank on Township Route 754, 0.9 mi downstream from Slate Creek, and 0.7 mi south of Mansfield.

DRAINAGE AREA.--153 mi².

PERIOD OF RECORD.--July 1976 to current year.

REVISED RECORDS.--WDR PA-84-2: 1980-83 (P).

GAGE.--Water-stage recorder. Datum of gage is 1,121.28 ft above National Geodetic Vertical Datum of 1929. Prior to May 25, 1999, at site 0.3 mi upstream 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 and landline telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in September 1975 reached an approximate stage of 20.1 ft, from floodmarks, site then in use, from original site 0.3 mi upstream, discharge, about 18,000 ft³/s.

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

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Jan. 14	0545	6,080	9.09	Apr. 2	1815	*13,000	*12.30
Mar. 28	0815	3,390	7.42				

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	151	112	964	218	e130	160	1410	142	47	80	70	201
2	133	102	618	194	e110	152	5340	129	43	58	25	78
3	122	127	470	289	e120	138	4250	126	44	46	21	47
4	111	133	381	668	e120	131	1780	119	56	39	19	35
5	102	171	332	384	e110	127	1170	111	53	37	18	29
6	95	144	291	405	e110	127	881	104	63	42	17	26
7	89	127	350	420	e130	266	736	100	144	40	16	23
8	84	116	391	467	335	450	609	94	72	44	17	21
9	81	108	306	402	576	224	484	88	52	59	20	20
10	81	102	998	352	808	182	406	84	48	63	22	e18
11	75	101	1000	327	409	180	347	80	74	42	16	17
12	71	106	657	500	329	169	303	75	53	34	15	17
13	67	103	515	1730	273	160	275	71	44	32	16	17
14	73	95	409	3500	278	148	248	70	49	32	42	16
15	86	93	332	1160	467	140	223	78	43	30	36	15
16	97	94	289	719	616	139	202	74	52	27	26	16
17	83	96	270	544	452	143	186	68	58	27	22	42
18	73	99	232	e370	314	155	173	63	66	30	19	28
19	271	97	223	e320	256	158	159	60	52	26	19	22
20	284	103	e160	e290	258	191	148	57	44	25	20	20
21	210	107	e200	e250	247	227	143	56	40	23	19	18
22	180	98	e210	e200	229	208	133	55	36	23	18	17
23	160	91	764	e190	212	240	153	54	34	28	15	16
24	147	140	559	e190	191	233	236	58	31	21	14	17
25	141	481	324	e180	185	255	204	62	29	21	13	16
26	133	353	296	e170	172	313	165	59	30	20	12	20
27	129	276	242	e150	155	350	145	53	32	22	12	36
28	120	1150	207	e170	160	2270	133	61	28	21	12	28
29	114	673	243	e157	---	2360	125	61	235	19	18	29
30	114	478	215	e150	---	1390	132	56	156	18	78	30
31	124	---	214	e140	---	1290	---	52	---	54	191	---
TOTAL	3801	6076	12662	15206	7752	12676	20899	2420	1808	1083	878	935
MEAN	123	203	408	491	277	409	697	78.1	60.3	34.9	28.3	31.2
MAX	284	1150	1000	3500	808	2360	5340	142	235	80	191	201
MIN	67	91	160	140	110	127	125	52	28	18	12	15
CFSM	0.80	1.32	2.67	3.21	1.81	2.67	4.55	0.51	0.39	0.23	0.19	0.20
IN.	0.92	1.48	3.08	3.70	1.88	3.08	5.08	0.59	0.44	0.26	0.21	0.23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2005, BY WATER YEAR (WY)

MEAN	133	207	241	230	243	418	502	243	169	84.1	81.7	93.6
MAX	653	620	666	943	682	832	1968	630	550	375	839	836
(WY)	1991	1978	1997	1996	1996	1978	1993	1978	1989	1994	1994	2004
MIN	13.3	17.5	20.5	36.2	57.2	148	156	77.9	25.1	17.5	12.5	12.6
(WY)	1983	1999	1999	1981	1987	1981	1988	2001	1991	1999	1999	1980

e Estimated.

CHEMUNG RIVER BASIN

01516350 TIOGA RIVER NEAR MANSFIELD, PA--Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1976 - 2005	
ANNUAL TOTAL	118353		86196			
ANNUAL MEAN	323		236		220	
HIGHEST ANNUAL MEAN					388	1978
LOWEST ANNUAL MEAN					125	2001
HIGHEST DAILY MEAN	10100	Sep 18	5340	Apr 2	12200	Aug 18 1994
LOWEST DAILY MEAN	32	Jul 4	12	Aug 26-28	8.1	Sep 3 1999
ANNUAL SEVEN-DAY MINIMUM	41	Jun 30	14	Aug 22	8.7	Aug 31 1999
MAXIMUM PEAK FLOW			13000	Apr 2	a 38900	Jan 19 1996
MAXIMUM PEAK STAGE			12.30	Apr 2	b 18.87	Jan 19 1996
ANNUAL RUNOFF (CFSM)	2.11		1.54		1.44	
ANNUAL RUNOFF (INCHES)	28.78		20.96		19.53	
10 PERCENT EXCEEDS	605		468		479	
50 PERCENT EXCEEDS	176		119		102	
90 PERCENT EXCEEDS	65		20		21	

- a** From rating curve extended above 16,000 ft³/s.
b From floodmark, at site then in use.

