



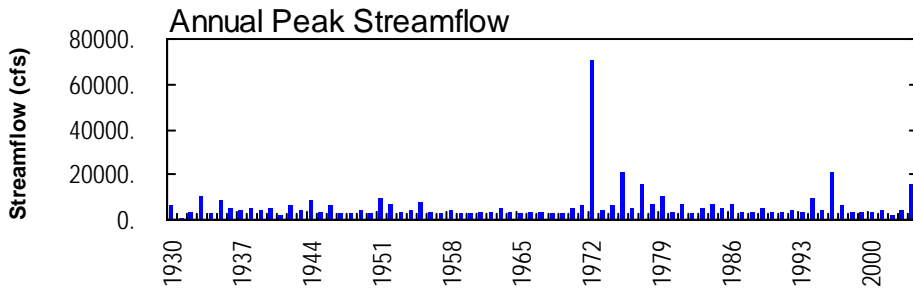
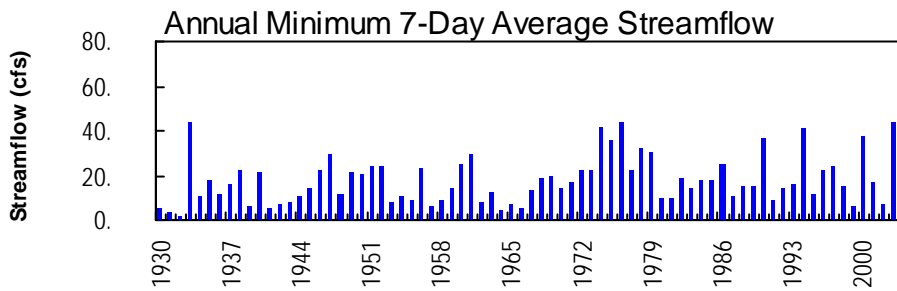
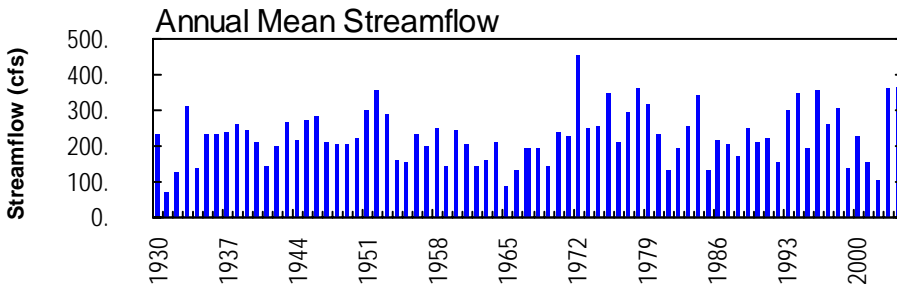
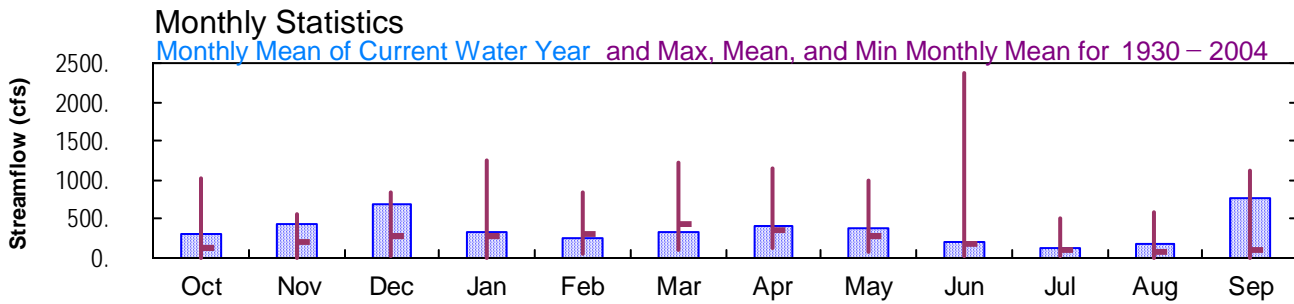
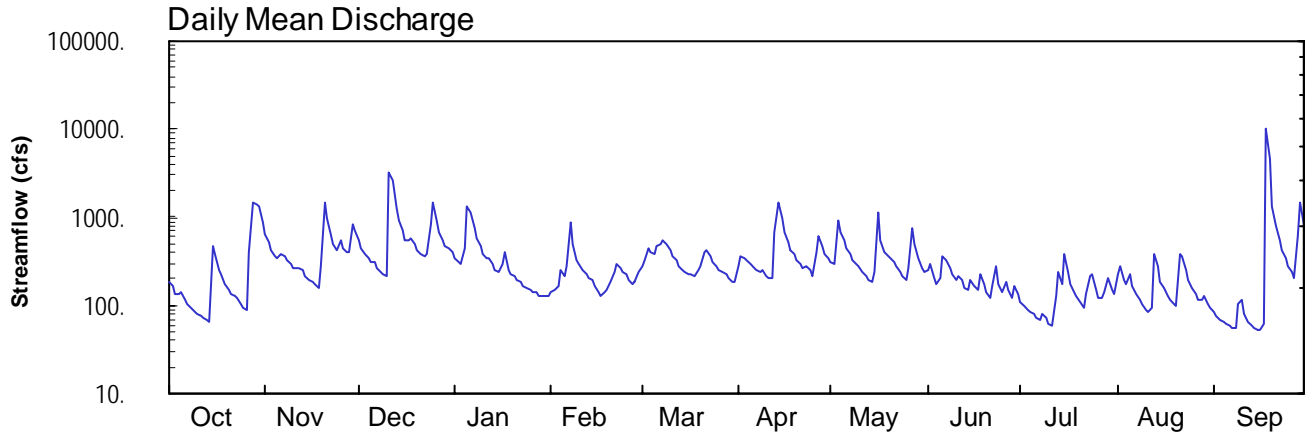
2004 Water Year EAST MAHANTANGO CREEK BASIN

01555500 East Mahantango Creek near Dalmatia, PA

Latitude: 40° 36' 40"
Northumberland County

Longitude: 076° 54' 44"
Datum: 401.22 feet

Hydrologic Unit Code: 02050301
Drainage Area: 162. mi²



Looking downstream
01555500-East Mahantango Creek near Dalmatia

EAST MAHANTANGO CREEK BASIN

01555500 EAST MAHANTANGO CREEK NEAR DALMATIA, PA

LOCATION.--Lat 40°36'40", long 76°54'44", Northumberland County, Hydrologic Unit 02050301, on right bank at bridge on SR 3017, 2.0 mi upstream from mouth, and 3.2 mi south of Dalmatia.

DRAINAGE AREA.--162 mi².

PERIOD OF RECORD.--October 1929 to current year. Prior to October 1945, published as Mahantango Creek East near Dalmatia.

REVISED RECORDS.--WSP 891: 1933(M). WSP 1302: 1930(M), 1938(M).

GAGE.--Water-stage recorder. Datum of gage is 401.22 ft above National Geodetic Vertical Datum of 1929. Oct. 1, 1929, to Feb. 11, 1930, nonrecording gage, and Feb. 12, 1930, to Nov. 18, 1973, water-stage recorder at present site at datum 0.72 ft lower. Nov. 19, 1973, to June 18, 1974, nonrecording gage at site 2 mi upstream at different datum.

REMARKS.--Records good except those for estimated daily discharges and those for period Oct. 1-28, which are poor. Intermittent regulation evident during low flows. 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 1,900 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Dec. 11	1730	5,280	9.27	Sept. 29	0315	1,960	5.54
Sept. 18	1700	*15,900	*15.80				

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	182	651	563	344	e140	281	273	311	252	111	226	86
2	163	511	456	314	e150	319	354	301	288	99	277	74
3	138	430	383	300	e170	438	337	920	210	91	199	69
4	135	372	338	438	e250	398	325	692	175	84	175	64
5	142	349	316	1330	e220	390	299	538	203	81	223	61
6	116	379	315	1170	e280	461	263	449	358	74	169	58
7	103	366	272	762	e900	489	248	385	331	69	134	57
8	96	325	244	566	e500	549	236	335	269	80	118	56
9	87	293	222	475	e320	494	255	293	225	74	103	102
10	82	270	218	e380	e300	420	217	274	198	63	91	118
11	76	259	3250	e340	e250	365	200	239	217	58	86	80
12	72	262	2580	e350	e230	335	201	214	198	127	92	65
13	68	249	1240	e290	e200	287	693	193	158	237	382	59
14	66	215	902	e250	e190	252	1470	182	147	175	277	55
15	472	194	720	e240	e170	237	996	238	193	389	189	53
16	383	182	544	e300	e140	224	676	1120	164	234	154	52
17	254	172	538	e400	e130	225	523	553	151	171	126	62
18	222	159	583	e250	e140	213	435	396	221	141	115	10300
19	177	283	484	e230	e150	246	374	381	171	125	104	4650
20	148	1510	425	e220	e180	278	328	353	141	112	101	1350
21	134	956	372	e190	e240	410	297	316	122	96	373	811
22	128	645	354	e180	e300	417	266	281	166	138	364	543
23	120	499	373	e170	e270	354	273	241	273	217	252	414
24	104	430	851	e160	e240	312	246	213	178	233	193	338
25	93	539	1460	e150	226	276	219	193	145	153	155	280
26	88	446	938	e140	190	253	395	270	181	119	132	238
27	406	404	683	e140	177	240	595	758	148	122	117	204
28	1460	406	542	e130	186	222	464	499	125	144	114	599
29	1380	843	465	e130	237	202	389	351	162	200	126	1510
30	1320	725	448	e130	---	189	344	269	133	150	103	830
31	893	---	394	e130	---	185	---	236	---	134	94	---
TOTAL	9308	13324	21473	10599	7076	9961	12191	11994	5903	4301	5364	23238
MEAN	300	444	693	342	244	321	406	387	197	139	173	775
MAX	1460	1510	3250	1330	900	549	1470	1120	358	389	382	10300
MIN	66	159	218	130	130	185	200	182	122	58	86	52
CFSM	1.85	2.74	4.28	2.11	1.51	1.98	2.51	2.39	1.21	0.86	1.07	4.78
IN.	2.14	3.06	4.93	2.43	1.62	2.29	2.80	2.75	1.36	0.99	1.23	5.34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2004, BY WATER YEAR (WY)

MEAN	128	211	287	278	305	427	367	277	179	100	82.0	109
MAX	1025	553	852	1259	831	1212	1160	986	2361	504	585	1112
(WY)	1977	1951	1997	1996	1981	1994	1993	1989	1972	1947	1933	1975
MIN	5.14	8.65	14.0	12.4	54.3	111	126	67.5	29.7	13.5	9.36	3.98
(WY)	1931	1931	1931	1981	1934	1931	1965	1941	1965	1965	1957	1932

e Estimated.

EAST MAHANTANGO CREEK BASIN

01555500 EAST MAHANTANGO CREEK NEAR DALMATIA, PA--Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1930 - 2004	
ANNUAL TOTAL	145018		134732			
ANNUAL MEAN	397		368		229	
HIGHEST ANNUAL MEAN					454	
LOWEST ANNUAL MEAN					70.7	
HIGHEST DAILY MEAN	3250	Dec 11	10300	Sep 18	39000	Jun 22 1972
LOWEST DAILY MEAN	66	Oct 14	52	Sep 16	1.5	Sep 21 1932
ANNUAL SEVEN-DAY MINIMUM	75	Jul 15	61	Sep 11	1.7	Sep 16 1932
MAXIMUM PEAK FLOW			a15900	Sep 18	a69900	Jun 22 1972
MAXIMUM PEAK STAGE			15.80	Sep 18	b26.62	Jun 22 1972
INSTANTANEOUS LOW FLOW			51	Sep 16	1.3	Oct 7 1957c
ANNUAL RUNOFF (CFSM)	2.45		2.27		1.41	
ANNUAL RUNOFF (INCHES)	33.30		30.94		19.18	
10 PERCENT EXCEEDS	897		647		497	
50 PERCENT EXCEEDS	262		240		120	
90 PERCENT EXCEEDS	98		95		23	

a From rating curve extended above 11,600 ft³/s on basis of slope-area measurement of peak flow.

b From floodmark in gage.

c Also Nov. 3, 1964.