

OHIO RIVER MAIN STEM

03010500 ALLEGHENY RIVER AT ELDRED, PA

LOCATION.--Lat 41°57'48", long 78°23'11", McKean County, Hydrologic Unit 05010001, on right bank at site of former highway bridge, 600 ft upstream from bridge on State Highway 346, 1,000 ft upstream from Knapp Creek, 0.5 mi north of Eldred, at mile 267.8.

DRAINAGE AREA.--550 mi².

PERIOD OF RECORD.--July 1939 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,416.53 ft above sea level.

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

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 5,000 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Feb. 29	0400	*5,730	*13.54	No other peak greater than base discharge.			

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	477	69	806	e430	e290	4920	619	819	644	382	152	76
2	197	83	676	e410	e280	3950	577	865	573	338	190	76
3	130	337	614	e520	e270	2820	679	771	636	305	152	96
4	106	423	590	2040	e270	2080	2770	664	520	322	134	93
5	95	259	590	2470	e260	1740	3970	617	447	311	124	80
6	84	199	593	1790	e260	1460	4010	572	552	258	114	69
7	75	170	641	1500	e250	1230	3180	529	586	227	326	63
8	67	152	537	1290	e235	1100	3350	506	450	204	499	58
9	64	140	484	1110	e230	1010	3950	480	382	190	280	56
10	67	133	487	1020	e250	959	4000	535	340	219	222	56
11	70	143	589	1270	e270	863	3450	614	306	253	189	66
12	74	145	526	1280	e300	988	2610	491	425	187	166	99
13	69	137	488	1060	e290	974	2000	469	690	162	160	203
14	113	129	622	873	e300	861	1610	534	553	151	157	224
15	222	125	1780	822	e330	811	1360	465	470	144	139	173
16	156	119	1750	e780	e320	789	1200	395	653	209	154	276
17	121	114	1580	e730	e320	1280	1070	363	856	231	195	236
18	106	109	1370	e700	e320	1250	1030	407	841	194	152	158
19	97	106	1170	e640	e310	1190	939	2310	1260	156	127	127
20	90	106	1040	e600	e300	1170	859	3350	996	137	115	112
21	84	112	1210	e580	e310	1110	1340	2670	925	130	105	116
22	81	116	1000	e530	e330	1240	1940	2060	1450	133	97	158
23	83	112	844	e460	e400	1130	2340	1640	1070	141	100	142
24	89	107	749	e430	1670	1050	2150	1860	858	121	154	133
25	96	106	e680	e400	3360	1010	1930	2080	736	113	149	161
26	99	623	e620	e370	4070	984	1650	1660	642	106	109	148
27	90	2820	e590	e360	4850	910	1420	1410	610	101	94	152
28	80	2130	e540	e340	5600	884	1230	1200	645	102	89	153
29	75	1370	e500	e320	5630	824	1070	1040	500	132	89	130
30	73	1060	e470	e310	---	788	931	875	437	122	85	117
31	71	---	e450	e300	---	694	---	737	---	122	81	---
TOTAL	3401	11754	24586	25735	31875	42069	59234	32988	20053	5903	4899	3807
MEAN	110	392	793	830	1099	1357	1974	1064	668	190	158	127
MAX	477	2820	1780	2470	5630	4920	4010	3350	1450	382	499	276
MIN	64	69	450	300	230	694	577	363	306	101	81	56
CFSM	.20	.71	1.44	1.51	2.00	2.47	3.59	1.93	1.22	.35	.29	.23
IN.	.23	.79	1.66	1.74	2.16	2.85	4.01	2.23	1.36	.40	.33	.26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2000, BY WATER YEAR (WY)

MEAN	451	828	1063	1055	1107	1879	2050	1180	778	418	250	317
MAX	1894	3175	2390	3359	3250	4697	5314	3273	6490	3893	1699	2340
(WY)	1991	1951	1973	1952	1976	1945	1940	1943	1972	1942	1994	1977
MIN	41.6	62.0	55.1	87.3	213	728	385	292	109	57.8	43.4	34.6
(WY)	1965	1965	1961	1961	1980	1993	1946	1985	1991	1966	1957	1959

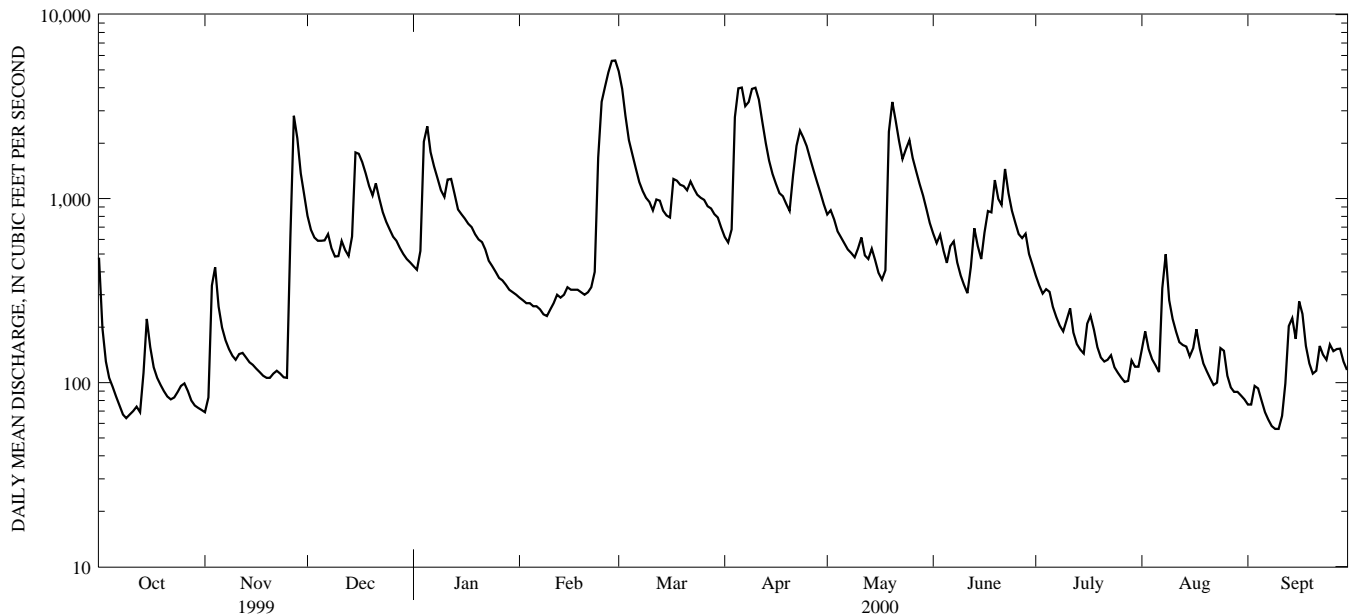
e Estimated.

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03010500 ALLEGHENY RIVER AT ELDRED, PA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1940 - 2000	
ANNUAL TOTAL	251472		266304			
ANNUAL MEAN	689		728		946	
HIGHEST ANNUAL MEAN					1475	1972
LOWEST ANNUAL MEAN					631	1962
HIGHEST DAILY MEAN	9470	Jan 26	5630	Feb 29	55700	Jun 23 1972
LOWEST DAILY MEAN	16	Sep 6	56	Sep 9,10	16	Sep 6 1999
ANNUAL SEVEN-DAY MINIMUM	20	Sep 1	64	Sep 5	20	Sep 1 1999
INSTANTANEOUS PEAK FLOW			5730	Feb 29	a 65400	Jun 23 1972
INSTANTANEOUS PEAK STAGE			13.54	Feb 29	b 29.05	Jun 23 1972
INSTANTANEOUS LOW FLOW			55	Sep 9,10	15	Sep 6 1999
ANNUAL RUNOFF (CFSM)	1.25		1.32		1.72	
ANNUAL RUNOFF (INCHES)	17.01		18.01		23.38	
10 PERCENT EXCEEDS	1630		1740		2260	
50 PERCENT EXCEEDS	285		424		520	
90 PERCENT EXCEEDS	46		96		84	

a From rating curve extended above 21,000 ft³/s on basis of slope-area measurement at gage height 27.6 ft.
b From floodmark.



1-YEAR HYDROGRAPH
 OCTOBER 1, 1999 TO SEPTEMBER 30, 2000