

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)
Jan. 26	0100	*10,100	*17.45	No other peak greater than base discharge.			

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	117	124	e430	1280	725	2710	741	175	166	74	25
2	68	113	132	e410	1400	628	3220	677	176	336	79	21
3	67	111	134	e380	1930	633	3510	617	185	534	67	19
4	68	107	127	e370	1900	1520	3640	569	183	230	50	19
5	75	106	129	e350	1830	1320	3680	534	163	165	45	17
6	82	104	147	e330	1570	1220	3190	493	146	140	47	16
7	73	106	153	e315	1450	1080	2350	468	138	168	48	25
8	203	105	144	e295	1330	921	1820	949	155	163	47	37
9	799	106	136	e285	1150	1010	1950	1560	146	124	45	52
10	516	107	132	e280	1200	938	3010	1100	124	159	46	50
11	393	126	125	e280	1090	765	2650	826	147	201	47	40
12	270	185	122	e285	1300	716	2520	693	128	136	43	31
13	220	157	118	e300	1770	661	2060	610	114	109	40	25
14	193	133	115	e330	1540	631	1700	541	107	97	41	27
15	185	125	114	e370	1390	594	1450	476	135	90	44	30
16	187	122	110	e450	1290	588	1350	417	136	85	39	42
17	166	119	116	e480	1310	702	1590	370	109	80	40	97
18	151	117	122	e490	1400	1580	1570	336	102	76	33	137
19	144	115	123	e850	1260	1700	1330	316	101	73	28	90
20	184	113	124	1830	1150	1430	1270	303	96	79	131	64
21	165	123	148	1510	1010	1400	1230	267	89	95	221	56
22	149	140	1590	1390	825	1460	1110	245	83	84	103	57
23	148	131	2090	2680	772	1320	1140	236	78	79	71	59
24	139	124	1360	4770	788	1260	1700	261	73	76	56	53
25	132	119	1090	8420	683	1360	1390	527	68	67	46	45
26	127	117	e860	9470	612	1300	1320	402	66	59	42	40
27	124	130	e720	7120	566	1300	1230	313	69	65	39	35
28	122	142	e600	4690	592	1440	1100	269	128	59	39	30
29	126	130	e540	2760	---	1710	952	231	211	51	37	31
30	130	124	e500	1950	---	2040	828	206	262	78	33	475
31	123	---	e470	1530	---	2300	---	188	---	67	30	---
TOTAL	5604	3674	12515	55400	34388	36252	58570	15741	3893	3991	1751	1745
MEAN	181	122	404	1787	1228	1169	1952	508	130	129	56.5	58.2
MAX	799	185	2090	9470	1930	2300	3680	1560	262	534	221	475
MIN	67	104	110	280	566	588	828	188	66	51	28	16
CFSM	.33	.22	.73	3.25	2.23	2.13	3.55	.92	.24	.23	.10	.11
IN.	.38	.25	.85	3.75	2.33	2.45	3.96	1.06	.26	.27	.12	.12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1999, BY WATER YEAR (WY)

MEAN	457	836	1068	1059	1107	1887	2051	1182	780	422	252	320
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

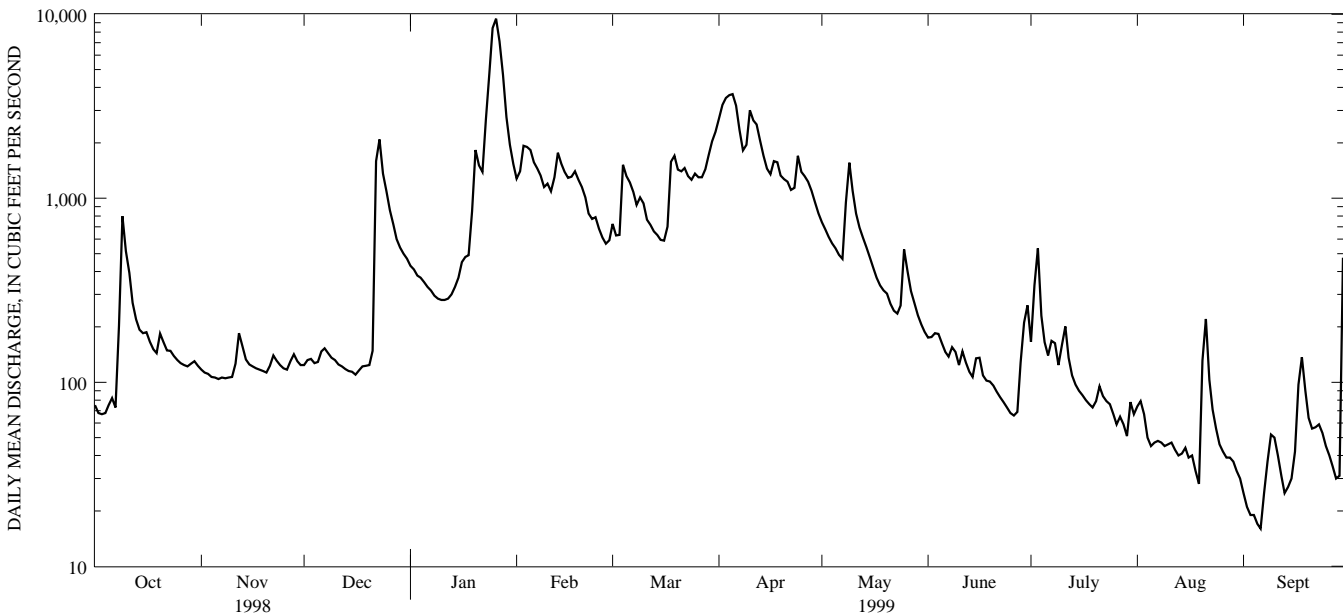
e Estimated.

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03010500 ALLEGHENY RIVER AT ELDRED, PA--Continued

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1940 - 1999	
ANNUAL TOTAL	287942		233524		950	
ANNUAL MEAN	789		640		1475	
HIGHEST ANNUAL MEAN					1972	
LOWEST ANNUAL MEAN					1962	
HIGHEST DAILY MEAN	10100	Jan 10	9470	Jan 26	55700	Jun 23 1972
LOWEST DAILY MEAN	67	Sep 25,26	16	Sep 6	16	Sep 6 1999
ANNUAL SEVEN-DAY MINIMUM	71	Sep 21	20	Sep 1	20	Sep 1 1999
INSTANTANEOUS PEAK FLOW	10100		10100		a 65400	
INSTANTANEOUS PEAK STAGE			17.45		b 29.05	
INSTANTANEOUS LOW FLOW			15		15	
ANNUAL RUNOFF (CFSM)	1.43		1.16		1.73	
ANNUAL RUNOFF (INCHES)	19.48		15.79		23.47	
10 PERCENT EXCEEDS	1760		1570		2280	
50 PERCENT EXCEEDS	386		176		520	
90 PERCENT EXCEEDS	106		46		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, 1998 TO SEPTEMBER 30, 1999

