

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)
Apr. 11	1000	*5,640	*13.43	No other peak greater than base discharge.			

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	110	191	797	827	e260	603	1860	810	541	297	80	333
2	106	185	691	722	e240	606	1930	736	543	367	73	338
3	101	179	521	644	e220	576	1750	673	567	275	66	186
4	109	176	806	e580	e200	540	1700	608	551	226	65	134
5	268	175	913	e540	e180	510	1770	556	462	260	76	120
6	1420	174	789	e480	e170	521	2240	507	404	271	72	111
7	1300	166	671	e430	e155	600	3350	457	370	213	61	89
8	881	160	675	e380	e140	489	3970	418	334	185	53	78
9	703	160	613	e350	e450	439	4480	421	301	176	49	70
10	582	178	477	e320	e900	413	5060	405	275	168	53	66
11	502	287	530	e280	2550	377	5580	371	275	190	62	63
12	434	283	731	e270	1910	342	5020	481	288	200	78	62
13	378	237	916	e250	1610	621	3760	550	249	159	57	56
14	337	220	695	e230	1500	1240	2380	409	220	136	48	95
15	306	218	709	e320	2650	1040	1810	371	197	127	43	204
16	283	214	665	e210	2550	900	2010	340	180	119	39	113
17	272	210	2300	e210	2320	922	2180	310	200	114	41	85
18	373	217	3610	e200	1890	923	1930	304	199	122	49	72
19	456	216	3390	e195	1510	905	1710	295	163	128	67	65
20	351	206	2390	e180	1400	1020	1540	271	150	116	149	62
21	304	202	1540	e180	1350	1250	1990	248	147	103	134	66
22	281	185	1300	e175	994	2550	3060	277	246	93	85	73
23	261	192	969	e170	973	2470	2890	908	494	87	73	77
24	248	195	999	e165	908	2310	2500	794	887	84	108	80
25	249	200	848	e165	844	1890	2090	548	693	82	114	241
26	244	313	971	e160	929	1540	1700	594	553	120	86	439
27	233	1070	1090	e155	772	1260	1420	726	451	168	186	276
28	227	1010	1060	e150	681	1110	1220	966	376	110	299	243
29	218	897	957	e160	---	1030	1030	853	321	87	284	238
30	203	857	920	e195	---	1620	900	734	279	79	204	206
31	197	---	937	e220	---	2200	---	618	---	78	136	---
TOTAL	11937	9173	34480	9513	30256	32817	74830	16559	10916	4940	2990	4341
MEAN	385	306	1112	307	1081	1059	2494	534	364	159	96.5	145
MAX	1420	1070	3610	827	2650	2550	5580	966	887	367	299	439
MIN	101	160	477	150	140	342	900	248	147	78	39	56
CFSM	.70	.56	2.02	.56	1.96	1.92	4.54	.97	.66	.29	.18	.26
IN.	.81	.62	2.33	.64	2.05	2.22	5.06	1.12	.74	.33	.20	.29

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2001, BY WATER YEAR (WY)

MEAN	450	820	1064	1043	1106	1865	2057	1170	771	414	248	314
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1940 - 2001	
ANNUAL TOTAL	282153		242752			
ANNUAL MEAN	771		665		942	
HIGHEST ANNUAL MEAN					1475	1972
LOWEST ANNUAL MEAN					631	1962
HIGHEST DAILY MEAN	5630	Feb 29	5580	Apr 11	55700	Jun 23 1972
LOWEST DAILY MEAN	56	Sep 9,10	39	Aug 16	16	Sep 6 1999
ANNUAL SEVEN-DAY MINIMUM	64	Sep 5	49	Aug 13	20	Sep 1 1999
MAXIMUM PEAK FLOW			5640	Apr 11	a 65400	Jun 23 1972
MAXIMUM PEAK STAGE			13.43	Apr 11	b 29.05	Jun 23 1972
INSTANTANEOUS LOW FLOW			38	Aug 16	15	Sep 6 1999
ANNUAL RUNOFF (CFSM)	1.40		1.21		1.71	
ANNUAL RUNOFF (INCHES)	19.08		16.42		23.27	
10 PERCENT EXCEEDS	1760		1760		2250	
50 PERCENT EXCEEDS	448		320		520	
90 PERCENT EXCEEDS	122		83		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.

