

SURFACE-WATER STATION RECORDS

OHIO RIVER MAIN STEM

03007800 ALLEGHENY RIVER AT PORT ALLEGANY, PA

LOCATION.--Lat 41°49'07", long 78°17'35", McKean County, Hydrologic Unit 05010001, on right bank 40 ft upstream from bridge on U.S. Highway 6 at Port Allegany, 1.1 mi upstream from Twomile Creek, 1.4 mi downstream from Allegheny Portage Creek, at mile 285.5.

DRAINAGE AREA.--248 mi².

PERIOD OF RECORD.--October 1974 to current year. Discharge measurements obtained by U.S. Army Corps of Engineers March 1971 to October 1974.

GAGE.--Water-stage recorder. Datum of gage is 1,454.88 ft above National Geodetic Vertical Datum of 1929.

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.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 23, 1972 reached a stage of at least 17.5 ft, discharge, 21,700 ft³/s, from U.S. Army Corps of Engineers discharge measurement. Actual peak discharge may have been greater.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 2,500 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Mar. 22	0700	*4,670	*11.02	Aug. 4	0430	3,630	9.98
July 22	0615	2,670	8.61	Aug. 10	1145	3,570	9.92
Aug. 1	1545	3,430	9.79	Sept. 28	1700	2,640	8.54

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	67	e185	569	e88	e273	723	172	638	163	2570	179
2	29	70	e166	e969	e84	e252	909	237	582	147	2820	1010
3	27	69	e149	790	e86	e237	875	202	574	134	2820	971
4	26	65	e128	701	e139	e216	937	182	583	124	3350	1570
5	29	64	e119	588	e184	e203	1930	185	601	117	2440	1120
6	30	98	e109	e482	e157	e192	1910	200	500	107	1700	834
7	26	112	e107	e423	e143	e175	1630	192	470	107	1320	638
8	23	100	e101	e371	e135	e168	1300	196	454	102	1120	510
9	20	93	e97	e324	e129	e206	1070	187	527	103	1200	422
10	19	90	e99	e279	e123	e189	906	182	438	107	3250	348
11	20	123	e110	e252	e117	e171	780	186	421	125	2850	296
12	22	116	e146	e238	e112	e169	694	202	595	96	2990	254
13	23	114	e212	e219	e110	e174	607	207	982	82	2260	227
14	23	106	e336	e197	e109	246	536	196	980	73	1570	227
15	22	100	e373	e186	e107	298	484	183	879	67	1090	218
16	28	107	e310	e172	e105	627	441	222	706	66	822	293
17	50	455	e250	e161	e104	1640	391	223	556	60	637	205
18	43	445	e229	e151	e103	2950	352	212	495	133	486	180
19	50	348	e239	e145	e104	3430	324	209	414	119	389	215
20	72	302	e771	e131	e105	3250	299	209	348	75	325	290
21	51	278	e1000	e125	e105	4100	299	300	579	650	278	225
22	41	361	928	e119	e109	4570	303	246	498	2200	244	231
23	35	366	758	e111	e252	3430	274	231	460	1470	212	772
24	32	331	599	e102	e333	2330	244	298	417	2040	187	632
25	32	318	531	e98	e353	1920	225	290	363	1830	172	723
26	133	290	449	e94	e350	1850	217	278	314	1310	165	651
27	119	268	371	e94	e326	1530	210	279	271	1230	195	624
28	87	239	327	e92	e299	1200	194	284	233	1580	164	2490
29	73	221	300	e88	---	1080	184	274	202	1110	151	2370
30	69	e202	265	e88	---	948	177	250	183	848	199	1690
31	66	---	284	e88	---	808	---	397	---	635	152	---
TOTAL	1354	5918	10048	8447	4471	38832	19425	7111	15263	17010	38128	20415
MEAN	43.7	197	324	272	160	1253	648	229	509	549	1230	680
MAX	133	455	1000	969	353	4570	1930	397	982	2200	3350	2490
MIN	19	64	97	88	84	168	177	172	183	60	151	179
CFSM	0.18	0.80	1.31	1.10	0.64	5.05	2.61	0.92	2.05	2.21	4.96	2.74
IN.	0.20	0.89	1.51	1.27	0.67	5.82	2.91	1.07	2.29	2.55	5.72	3.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2003, BY WATER YEAR (WY)

MEAN	267	442	506	437	546	827	896	493	378	197	188	220
MAX	964	1018	1082	1119	1572	1730	2006	1127	1484	598	1230	1226
(WY)	1991	1997	1978	1998	1976	1979	1993	1996	1989	1977	2003	1977
MIN	31.2	39.7	150	78.2	98.0	326	359	142	48.5	28.5	15.0	20.7
(WY)	1983	1999	1999	1981	1980	1993	1976	1985	1991	1991	1999	1991

e Estimated.

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03007800 ALLEGHENY RIVER AT PORT ALLEGANY, PA--Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1975 - 2003	
ANNUAL TOTAL	141701		186422			
ANNUAL MEAN	388		511		449	
HIGHEST ANNUAL MEAN					670	1994
LOWEST ANNUAL MEAN					275	2001
HIGHEST DAILY MEAN	3410	May 14	4570	Mar 22	8860	Jan 20 1996
LOWEST DAILY MEAN	15	Sep 26	19	Oct 10	5.4	Sep 5 1999
ANNUAL SEVEN-DAY MINIMUM	19	Sep 8	21	Oct 9	6.4	Aug 31 1999
MAXIMUM PEAK FLOW			4670	Mar 22	a 12600	Jan 19 1996
MAXIMUM PEAK STAGE			11.02	Mar 22	b 15.37	Jan 19 1996
INSTANTANEOUS LOW FLOW			19	Oct 10,11	5.1	Sep 6 1999
ANNUAL RUNOFF (CFSM)	1.57		2.06		1.81	
ANNUAL RUNOFF (INCHES)	21.26		27.96		24.58	
10 PERCENT EXCEEDS	937		1300		1010	
50 PERCENT EXCEEDS	264		237		246	
90 PERCENT EXCEEDS	26		73		47	

a From rating curve extended above 6,700 ft³/s.

b From peak-stage indicator.

