

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)
May 14	2300	*3,760	*9.56	June 6	2300	3,410	9.22

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85	190	829	e208	1500	e274	1150	791	526	173	86	20
2	79	184	781	e191	1490	264	950	884	450	158	73	20
3	73	213	694	e178	1290	457	880	775	378	142	66	20
4	66	183	581	e165	1060	460	706	692	389	128	56	20
5	61	171	499	e160	806	434	585	619	556	115	176	20
6	60	162	430	e156	640	468	543	542	2760	104	172	20
7	61	154	375	e149	533	443	489	492	3050	97	125	20
8	57	149	330	e142	459	401	454	425	1970	92	101	20
9	52	152	314	e133	389	367	435	597	1270	86	86	20
10	50	140	279	e128	379	442	446	758	900	102	73	20
11	47	133	247	e121	666	364	386	685	663	82	64	19
12	45	123	220	e117	516	352	369	1110	517	74	57	19
13	47	113	228	e112	e489	343	451	2240	424	69	52	19
14	52	108	278	e109	e456	331	880	3410	1430	65	47	19
15	129	105	406	e104	e435	311	1910	3060	1710	62	48	21
16	106	103	363	e100	e412	325	1770	2030	1810	57	48	40
17	207	97	539	e95	e381	288	1370	1520	1560	53	53	30
18	196	91	1310	e90	e351	291	1060	1700	1210	50	46	22
19	168	89	1350	e87	e323	293	837	1500	909	49	39	21
20	157	115	1210	e91	309	325	694	1350	680	49	38	37
21	143	105	983	e98	379	389	564	1140	522	43	36	24
22	141	95	780	e106	e349	384	493	918	551	41	31	20
23	142	89	652	117	e325	403	426	737	557	49	34	18
24	368	85	616	225	e315	409	358	598	397	64	36	17
25	330	340	497	428	e308	403	335	502	330	44	34	16
26	304	526	420	469	e302	580	308	559	284	42	30	15
27	310	469	374	484	e296	1160	267	423	266	42	27	71
28	287	448	341	488	e287	1050	534	358	307	316	26	172
29	246	498	e295	519	---	1060	851	350	224	319	24	66
30	223	601	e260	821	---	1280	864	640	193	150	24	43
31	202	---	e225	1060	---	1230	---	579	---	106	22	---
TOTAL	4494	6031	16706	7451	15445	15581	21365	31984	26793	3023	1830	909
MEAN	145	201	539	240	552	503	712	1032	893	97.5	59.0	30.3
MAX	368	601	1350	1060	1500	1280	1910	3410	3050	319	176	172
MIN	45	85	220	87	287	264	267	350	193	41	22	15
CFSM	0.58	0.81	2.17	0.97	2.22	2.03	2.87	4.16	3.60	0.39	0.24	0.12
IN.	0.67	0.90	2.51	1.12	2.32	2.34	3.20	4.80	4.02	0.45	0.27	0.14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2002, BY WATER YEAR (WY)

MEAN	275	450	513	443	560	812	905	502	373	184	151	204
MAX	964	1018	1082	1119	1572	1730	2006	1127	1484	598	1175	1226
(WY)	1991	1997	1978	1998	1976	1979	1993	1996	1989	1977	1994	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.

OHIO RIVER MAIN STEM

03007800 ALLEGHENY RIVER AT PORT ALLEGANY, PA--Continued

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1975 - 2002	
ANNUAL TOTAL	107772		151612			
ANNUAL MEAN	295		415		446	
HIGHEST ANNUAL MEAN					670	1994
LOWEST ANNUAL MEAN					275	2001
HIGHEST DAILY MEAN	4280	Apr 10	3410	May 14	8860	Jan 20 1996
LOWEST DAILY MEAN	19	Aug 15,16	15	Sep 26	5.4	Sep 5 1999
ANNUAL SEVEN-DAY MINIMUM	23	Aug 12	19	Sep 8	6.4	Aug 31 1999
MAXIMUM PEAK FLOW			3760	May 14,15	a12600	Jan 19 1996
MAXIMUM PEAK STAGE			9.56	May 14,15	b15.37	Jan 19 1996
INSTANTANEOUS LOW FLOW			15	Sep 25,26	5.1	Sep 6 1999
ANNUAL RUNOFF (CFSM)	1.19		1.67		1.80	
ANNUAL RUNOFF (INCHES)	16.17		22.74		24.45	
10 PERCENT EXCEEDS	705		1050		1000	
50 PERCENT EXCEEDS	150		293		247	
90 PERCENT EXCEEDS	38		38		47	

a From rating curve extended above 6,700 ft³/s.
 b From peak-stage indicator.

