

## 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 mi<sup>2</sup>.

**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 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.

**EXTREMES OUTSIDE PERIOD OF RECORD.**--Flood of June 23, 1972 reached a stage of at least 17.5 ft, discharge, 21,700 ft<sup>3</sup>/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 ft<sup>3</sup>/s and maximum (\*):

Date	Time	Discharge ft <sup>3</sup> /s	Gage Height (ft)	Date	Time	Discharge ft <sup>3</sup> /s	Gage Height (ft)
Feb. 28	0800	*3,840	*9.64	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	103	24	412	e170	e125	1810	255	342	278	169	89	29
2	53	31	343	e150	e115	1420	245	344	256	151	71	29
3	38	127	302	e210	e112	1060	341	292	253	140	54	28
4	33	96	284	747	e110	863	1860	260	203	150	49	32
5	31	71	253	735	e105	726	1880	243	191	130	42	27
6	27	61	274	669	e100	597	1510	222	254	113	53	24
7	24	55	246	616	e96	510	1180	208	202	101	246	22
8	22	48	217	537	e93	460	1680	203	169	93	164	23
9	23	45	204	476	e88	414	1950	190	151	86	125	24
10	25	44	211	471	e89	385	1730	196	137	115	111	24
11	30	50	221	548	e95	353	1330	187	132	92	96	27
12	26	50	200	476	e104	413	1070	170	231	77	89	39
13	26	45	196	435	e104	357	832	171	264	70	87	102
14	101	45	361	365	e106	339	682	201	226	65	75	61
15	78	42	814	e350	e110	326	573	159	209	79	65	67
16	51	39	853	e330	e115	339	501	143	365	112	86	68
17	43	37	810	e310	e115	564	451	135	360	107	69	53
18	39	35	713	e290	e115	496	444	189	431	82	57	45
19	34	35	586	e270	e115	521	388	1370	525	68	53	40
20	33	36	550	e250	e115	513	363	1260	461	63	48	37
21	31	39	557	e240	e118	517	514	1060	480	59	43	49
22	29	38	454	e230	e120	562	662	851	572	70	40	57
23	31	35	405	e220	e145	499	816	708	429	57	51	44
24	34	34	363	e210	e250	488	863	954	369	52	71	49
25	36	34	e340	e190	e500	480	802	885	324	48	47	52
26	32	1020	e300	e180	e1000	455	699	782	286	45	40	48
27	29	1490	e280	e170	2820	412	594	666	328	42	36	56
28	27	991	e250	e160	3580	390	514	553	256	43	36	48
29	27	714	e230	e150	2570	359	442	463	218	41	34	42
30	25	532	e205	e140	---	324	382	380	193	42	32	40
31	24	---	e185	e130	---	286	---	320	---	46	31	---
TOTAL	1165	5943	11619	10425	13230	17238	25553	14107	8753	2608	2190	1286
MEAN	37.6	198	375	336	456	556	852	455	292	84.1	70.6	42.9
MAX	103	1490	853	747	3580	1810	1950	1370	572	169	246	102
MIN	22	24	185	130	88	286	245	135	132	41	31	22
CFSM	.15	.80	1.51	1.36	1.84	2.24	3.43	1.83	1.18	.34	.28	.17
IN.	.17	.89	1.74	1.56	1.98	2.59	3.83	2.12	1.31	.39	.33	.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2000, BY WATER YEAR (WY)

MEAN	285	473	517	464	565	840	900	494	361	192	158	215
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

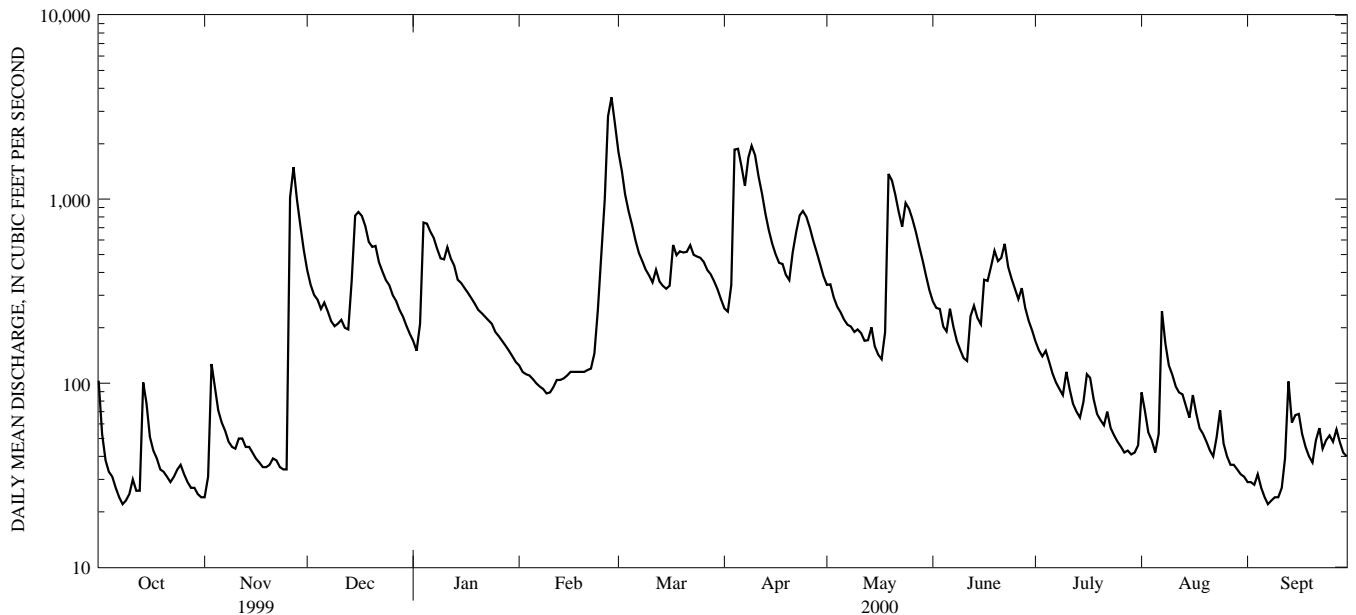
e Estimated.

OHIO RIVER MAIN STEM

03007800 ALLEGHENY RIVER AT PORT ALLEGANY, PA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1975 - 2000	
ANNUAL TOTAL	115231.6		114117			
ANNUAL MEAN	316		312		454	
HIGHEST ANNUAL MEAN					670	1994
LOWEST ANNUAL MEAN					286	1999
HIGHEST DAILY MEAN	4940	Jan 24	3580	Feb 28	8860	Jan 20 1996
LOWEST DAILY MEAN	5.4	Sep 5	22	Oct 8	5.4	Sep 5 1999
ANNUAL SEVEN-DAY MINIMUM	6.4	Aug 31	24	Sep 5	6.4	Aug 31 1999
INSTANTANEOUS PEAK FLOW			3840	Feb 28	<b>a</b> 12600	Jan 19 1996
INSTANTANEOUS PEAK STAGE			9.64	Feb 28	<b>b</b> 15.37	Jan 19 1996
INSTANTANEOUS LOW FLOW			21	Sep 7,8	5.1	Sep 6 1999
ANNUAL RUNOFF (CFSM)	1.27		1.26		1.83	
ANNUAL RUNOFF (INCHES)	17.28		17.12		24.88	
10 PERCENT EXCEEDS	765		729		1020	
50 PERCENT EXCEEDS	98		170		250	
90 PERCENT EXCEEDS	16		34		48	

**a** From rating curve extended above 6,700 ft<sup>3</sup>/s.  
**b** From peak-stage indicator.



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