

**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)
Jan. 24	2000	*5,940	*11.53	Apr. 4	1400	2,760	8.09

**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	22	36	42	e134	604	301	1820	347	69	48	29	6.5
2	22	36	45	e130	694	266	2420	316	75	263	27	7.0
3	22	35	42	e123	826	336	2390	289	76	125	19	6.9
4	24	34	41	e115	794	860	2600	268	70	77	17	5.8
5	27	33	46	e110	766	671	2110	248	60	59	19	5.4
6	24	34	53	e105	698	637	1530	230	54	52	21	5.5
7	22	33	51	e101	650	e500	1200	218	58	67	20	9.2
8	244	34	47	e98	582	e450	954	236	59	50	18	22
9	186	35	45	e97	515	e410	1170	238	49	45	19	17
10	174	36	43	e94	502	520	1330	199	45	101	19	14
11	110	61	41	e92	462	387	1290	175	45	67	17	11
12	83	62	40	e92	634	367	1220	164	46	47	16	8.6
13	70	47	37	e94	772	316	991	156	40	40	15	7.9
14	63	42	39	e100	716	299	854	146	43	36	14	9.4
15	65	41	34	e130	656	285	737	136	52	34	12	12
16	60	40	38	e135	611	281	682	127	41	31	12	21
17	53	38	41	e132	638	364	701	117	36	30	11	75
18	48	37	41	e130	648	733	610	110	37	28	9.2	43
19	63	35	41	e220	594	754	549	108	36	29	10	26
20	61	36	44	606	548	702	533	103	33	39	10	21
21	52	43	65	464	486	718	494	95	31	33	14	23
22	49	42	1110	463	404	730	458	90	29	30	16	26
23	47	39	716	1430	359	624	552	89	27	31	14	22
24	44	37	e380	4940	353	612	655	147	25	27	11	18
25	42	35	e330	4560	313	653	597	194	24	23	9.6	15
26	41	37	e260	2330	293	631	605	132	25	31	11	13
27	40	47	e225	1480	270	663	566	114	34	28	12	12
28	40	44	e205	1250	295	765	498	98	69	22	12	11
29	43	41	e190	1040	---	930	433	88	101	20	12	15
30	41	40	e165	856	---	1120	384	80	83	20	11	214
31	39	---	e150	708	---	1320	---	72	---	22	7.6	---
TOTAL	1921	1190	4647	22359	15683	18205	30933	5130	1472	1555	464.4	703.2
MEAN	62.0	39.7	150	721	560	587	1031	165	49.1	50.2	15.0	23.4
MAX	244	62	1110	4940	826	1320	2600	347	101	263	29	214
MIN	22	33	34	92	270	266	384	72	24	20	7.6	5.4
CFSM	.25	.16	.60	2.91	2.26	2.37	4.16	.67	.20	.20	.06	.09
IN.	.29	.18	.70	3.35	2.35	2.73	4.64	.77	.22	.23	.07	.11

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 1999, BY WATER YEAR (WY)**

MEAN	295	484	522	469	570	852	902	495	363	196	162	222
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

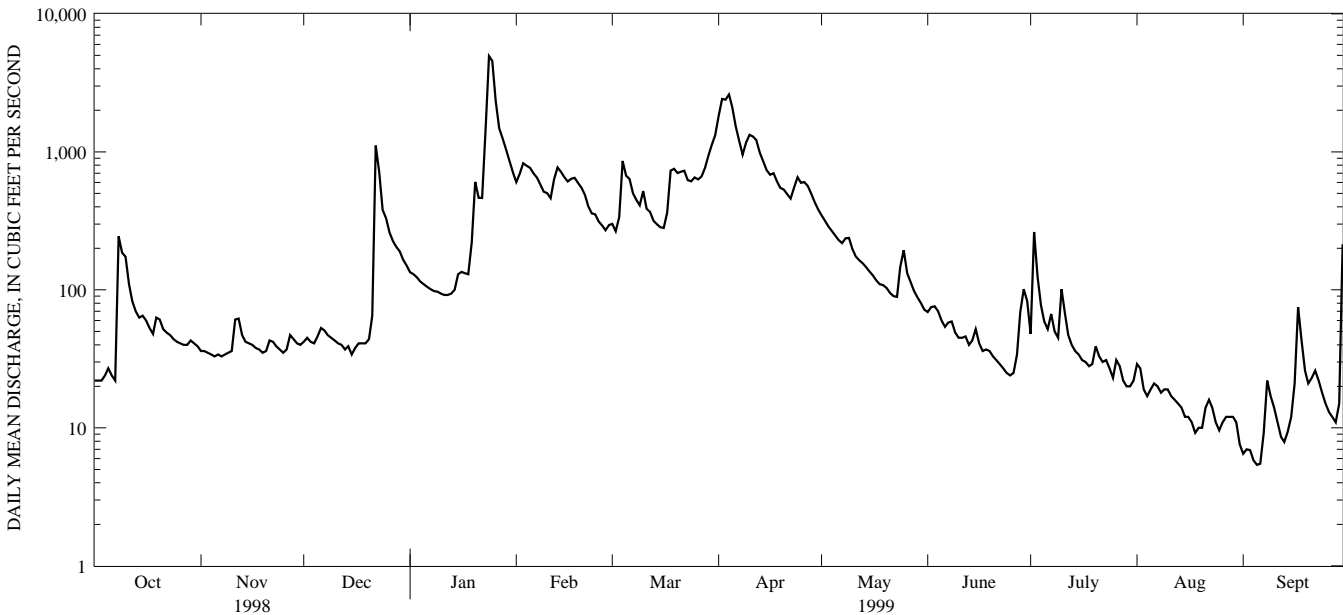
e Estimated.

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03007800 ALLEGHENY RIVER AT PORT ALLEGANY, PA--Continued

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1975 - 1999	
ANNUAL TOTAL	147294		104262.6			
ANNUAL MEAN	404		286		460	
HIGHEST ANNUAL MEAN					670	1994
LOWEST ANNUAL MEAN					286	1999
HIGHEST DAILY MEAN	6180	Jan 9	4940	Jan 24	8860	Jan 20 1996
LOWEST DAILY MEAN	21	Sep 24-26	5.4	Sep 5	5.4	Sep 5 1999
ANNUAL SEVEN-DAY MINIMUM	22	Sep 21	6.4	Aug 31	6.4	Aug 31 1999
INSTANTANEOUS PEAK FLOW			5940	Jan 24	<b>a</b> 12600	Jan 19 1996
INSTANTANEOUS PEAK STAGE			11.53	Jan 24	<b>b</b> 15.37	Jan 19 1996
INSTANTANEOUS LOW FLOW			5.1	Sep 6	5.1	Sep 6 1999
ANNUAL RUNOFF (CFSM)	1.63		1.15		1.85	
ANNUAL RUNOFF (INCHES)	22.09		15.64		25.19	
10 PERCENT EXCEEDS	957		723		1040	
50 PERCENT EXCEEDS	174		65		254	
90 PERCENT EXCEEDS	35		16		49	

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



1-YEAR HYDROGRAPH  
 OCTOBER 1, 1998 TO SEPTEMBER 30, 1999

