

## 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)
Apr. 10	1100	*4,460	*10.26	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	38	72	333	221	e105	225	685	335	188	162	32	168
2	36	69	291	179	e100	223	704	304	200	178	28	98
3	35	66	236	e165	e95	211	649	276	203	131	27	72
4	56	64	256	e155	e88	198	627	247	183	125	34	63
5	118	64	237	e150	e84	191	686	227	159	153	28	61
6	490	62	208	e135	e78	184	999	205	144	127	24	48
7	337	58	197	e128	e74	188	1910	188	133	103	22	42
8	301	56	188	e118	e70	168	2860	175	120	98	21	38
9	246	57	171	e110	e205	160	3310	175	111	91	20	35
10	213	98	154	e99	e440	150	4280	163	103	92	24	33
11	189	132	170	e96	751	140	2940	150	110	96	47	33
12	166	103	285	e94	651	130	1890	190	101	80	27	30
13	147	95	223	e91	571	254	1340	165	90	69	23	33
14	132	95	218	e88	631	350	1020	142	81	64	21	97
15	122	96	213	e90	1070	299	820	137	72	60	19	62
16	113	95	220	e94	1030	287	915	125	81	56	19	44
17	108	95	1130	e86	973	309	832	117	109	55	25	37
18	149	97	1140	e80	785	304	770	118	75	65	29	34
19	136	94	969	e76	640	305	704	113	67	62	38	31
20	113	89	788	e72	567	344	658	101	60	52	50	31
21	107	88	613	e70	526	488	944	97	76	46	33	36
22	103	85	499	e68	388	1010	1390	121	210	42	25	40
23	98	76	404	e66	388	807	1330	270	511	40	34	39
24	96	70	385	e64	334	778	1150	171	601	40	49	44
25	96	78	358	e61	323	641	926	153	460	43	34	236
26	93	226	334	e58	327	536	746	216	357	63	36	164
27	90	376	333	e57	279	449	614	244	281	50	169	129
28	87	371	443	e55	251	395	512	286	227	37	99	131
29	81	369	338	e54	---	367	429	262	191	34	120	114
30	78	368	331	e65	---	707	372	230	165	33	65	97
31	75	---	266	e83	---	710	---	203	---	35	70	---
TOTAL	4249	3764	11931	3028	11824	11508	37012	5906	5469	2382	1292	2120
MEAN	137	125	385	97.7	422	371	1234	191	182	76.8	41.7	70.7
MAX	490	376	1140	221	1070	1010	4280	335	601	178	169	236
MIN	35	56	154	54	70	130	372	97	60	33	19	30
CFSM	.55	.51	1.55	.39	1.70	1.50	4.97	.77	.74	.31	.17	.28
IN.	.64	.56	1.79	.45	1.77	1.73	5.55	.89	.82	.36	.19	.32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2001, BY WATER YEAR (WY)

MEAN	280	460	512	450	560	823	912	482	354	188	154	210
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1975 - 2001	
ANNUAL TOTAL	115334		100485			
ANNUAL MEAN	315		275		448	
HIGHEST ANNUAL MEAN					670	1994
LOWEST ANNUAL MEAN					275	2001
HIGHEST DAILY MEAN	3580	Feb 28	4280	Apr 10	8860	Jan 20 1996
LOWEST DAILY MEAN	22	Sep 7	19	Aug 15,16	5.4	Sep 5 1999
ANNUAL SEVEN-DAY MINIMUM	24	Sep 5	23	Aug 12	6.4	Aug 31 1999
MAXIMUM PEAK FLOW			4460	Apr 10	<b>a</b> 12600	Jan 19 1996
MAXIMUM PEAK STAGE			10.26	Apr 10	<b>b</b> 15.37	Jan 19 1996
INSTANTANEOUS LOW FLOW			18	Aug 16	5.1	Sep 6 1999
ANNUAL RUNOFF (CFSM)	1.27		1.11		1.80	
ANNUAL RUNOFF (INCHES)	17.30		15.07		24.52	
10 PERCENT EXCEEDS	702		685		1000	
50 PERCENT EXCEEDS	176		131		245	
90 PERCENT EXCEEDS	47		37		47	

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

