

MONTOUR RUN BASIN

03085956 MONTOUR RUN AT SCOTT STATION NEAR IMPERIAL, PA

LOCATION.--Lat 40°27'23", long 80°10'34", Allegheny County, Hydrologic Unit 05030101, on left bank at upstream side of privately owned single span bridge on south side of Montour Run Road, SR3072, 0.3 mi downstream from McCalrens Run, and 0.9 mi upstream from Trout Run.

DRAINAGE AREA.--25.4 mi².

PERIOD OF RECORD.--August 2000 to current year.

GAGE.--Water-stage recorder. Datum of gage is 850.00 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. Satellite telemetry at station.

**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	5.8	5.5	15	e9.0	64	12	18	16	54	135	2.9	27
2	5.6	5.3	10	e8.8	40	12	23	15	51	21	2.7	9.4
3	5.4	5.4	7.2	e8.6	27	11	16	14	54	8.5	11	6.5
4	5.1	5.3	9.8	e8.3	23	28	14	13	18	8.7	7.9	5.4
5	33	5.3	6.5	e8.0	21	36	13	13	12	27	3.3	4.6
6	214	5.1	11	e7.8	23	24	95	12	49	9.0	2.7	4.0
7	20	5.4	5.9	e7.6	22	21	170	11	23	5.8	2.4	3.6
8	15	5.4	6.8	e7.3	21	23	57	12	13	16	97	3.6
9	14	7.6	5.9	e7.2	24	25	75	11	9.9	6.1	6.5	3.5
10	11	23	8.8	e7.1	28	22	104	9.3	8.2	8.8	12	4.1
11	8.7	9.0	23	e7.0	18	24	118	9.4	7.9	6.9	4.5	3.4
12	7.5	6.3	70	e6.9	16	27	68	25	9.4	4.8	9.7	3.1
13	7.0	5.8	15	e6.8	15	59	46	11	7.2	4.3	5.7	3.1
14	6.7	5.8	92	e10	45	61	36	8.8	7.0	3.9	3.8	29
15	6.5	5.6	28	19	68	36	79	8.6	6.5	3.8	3.1	5.0
16	6.6	5.3	276	17	64	45	81	9.2	21	3.7	3.1	3.8
17	8.6	5.1	299	12	47	46	52	9.3	9.0	3.6	3.4	3.5
18	8.9	4.8	54	11	31	31	42	8.6	6.2	4.7	2.7	3.3
19	7.0	4.9	33	16	25	26	34	10	5.5	3.9	19	5.5
20	6.7	e4.6	23	15	24	23	68	7.5	5.2	3.6	9.3	36
21	6.3	e4.5	20	14	21	373	58	15	12	3.4	4.5	6.6
22	6.3	e4.4	e17	12	17	216	52	41	30	3.4	3.9	4.8
23	6.1	e4.3	e16	17	17	71	41	17	9.8	3.5	27	4.1
24	14	e4.3	e14	11	15	47	35	15	7.5	5.0	6.9	46
25	11	e4.2	e13	9.2	16	35	29	34	5.9	15	4.3	18
26	6.9	e4.1	e12	15	14	29	25	15	5.2	25	4.1	8.6
27	8.0	e4.0	e11	12	13	24	24	15	4.7	5.8	23	6.2
28	7.6	e4.0	e11	11	12	21	20	16	4.3	3.9	252	5.6
29	6.0	22	e10	13	---	20	18	12	4.0	3.4	33	4.9
30	5.7	24	e9.8	246	---	26	17	11	6.8	3.2	7.7	4.2
31	5.7	---	e9.4	307	---	20	---	7.3	---	3.2	116	---
TOTAL	486.7	210.3	1143.1	867.6	771	1474	1528	432.0	467.2	363.9	695.1	276.4
MEAN	15.7	7.01	36.9	28.0	27.5	47.5	50.9	13.9	15.6	11.7	22.4	9.21
MAX	214	24	299	307	68	373	170	41	54	135	252	46
MIN	5.1	4.0	5.9	6.8	12	11	13	7.3	4.0	3.2	2.4	3.1

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2001, BY WATER YEAR (WY)

	2000	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001
MEAN	15.7	7.01	36.9	28.0	27.5	47.5	50.9	13.9	15.6	11.7	22.4	9.21
MAX	15.7	7.01	36.9	28.0	27.5	47.5	50.9	13.9	15.6	11.7	22.4	9.21
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001
MIN	15.7	7.01	36.9	28.0	27.5	47.5	50.9	13.9	15.6	11.7	22.4	9.21
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001

e Estimated.

OHIO RIVER MAIN STEM

03085956 MONTOUR RUN AT SCOTT STATION NEAR IMPERIAL, PA--Continued

SUMMARY STATISTICS	FOR 2001 WATER YEAR		WATER YEARS 2000 - 2001	
ANNUAL TOTAL	8715.3			
ANNUAL MEAN	23.9		23.9	
HIGHEST ANNUAL MEAN			23.9	2001
LOWEST ANNUAL MEAN			23.9	2001
HIGHEST DAILY MEAN	373	Mar 21	373	Mar 21 2001
LOWEST DAILY MEAN	2.4	Aug 7	.90	Aug 26 2000
ANNUAL SEVEN-DAY MINIMUM	3.5	Sep 7	3.5	Sep 7 2001
MAXIMUM PEAK FLOW	a2080	Aug 28	a2080	Aug 28 2001
MAXIMUM PEAK STAGE	8.31	Aug 28	8.31	Aug 28 2001
INSTANTANEOUS LOW FLOW	2.4	Aug 7,8	2.4	Aug 7,8 2001
10 PERCENT EXCEEDS	50		49	
50 PERCENT EXCEEDS	11		11	
90 PERCENT EXCEEDS	4.0		4.0	

a From rating curve extended above 550 ft³/s.

