

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 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. Satellite telemetry at station.

**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	4.1	5.1	35	6.9	46	11	31	35	19	4.9	3.1	2.5
2	3.7	26	19	e6.5	29	14	27	63	13	4.9	2.7	2.5
3	3.5	22	14	e6.4	23	40	31	33	12	4.6	2.4	6.9
4	3.3	8.0	12	e6.3	20	17	24	27	11	4.3	2.2	21
5	3.2	6.2	9.9	6.0	15	17	22	23	31	4.2	11	3.9
6	8.3	5.7	11	6.5	14	15	20	21	202	3.7	6.6	3.2
7	4.3	5.4	9.7	e6.5	14	15	18	41	59	3.5	2.8	2.9
8	3.5	5.5	20	e6.0	12	12	18	41	29	3.6	2.4	2.7
9	3.4	7.7	15	8.5	11	12	25	46	21	4.5	2.2	2.5
10	3.4	5.4	10	28	18	13	19	25	17	5.3	2.1	2.5
11	3.5	5.0	9.0	23	33	9.8	15	19	14	4.8	2.0	2.4
12	16	4.7	8.1	15	16	9.9	14	49	13	3.6	2.9	2.3
13	7.4	4.6	17	13	14	9.6	44	114	12	3.9	3.0	2.3
14	11	4.6	12	11	12	9.2	54	82	23	3.5	2.1	2.3
15	7.8	4.6	9.7	12	12	9.0	48	44	14	3.3	3.2	7.7
16	8.8	4.7	8.3	9.4	11	73	30	32	12	3.1	2.3	6.5
17	14	4.4	290	8.8	13	65	25	39	9.4	3.0	21	3.3
18	5.8	4.3	158	7.8	10	55	22	185	10	3.4	3.8	3.0
19	4.7	13	52	7.5	9.7	36	39	59	12	5.7	2.8	5.7
20	4.4	22	35	8.4	26	118	49	41	7.6	4.0	2.4	3.1
21	4.1	7.1	e16	12	55	71	34	33	6.9	2.9	2.1	3.0
22	4.1	5.9	e15	12	27	48	83	27	6.5	2.7	12	2.9
23	30	5.3	e13	12	21	38	40	24	6.3	2.6	33	2.5
24	95	5.0	e12	49	17	30	31	32	5.8	2.5	117	2.4
25	18	77	e11	27	16	46	28	25	5.5	2.6	14	2.3
26	9.4	15	e9.5	18	20	406	23	19	5.3	9.2	6.2	18
27	7.4	88	e8.7	15	15	136	23	16	19	6.4	4.4	203
28	6.4	49	e8.5	13	12	66	107	57	11	3.9	3.6	24
29	5.7	52	e8.0	12	---	49	46	30	6.0	3.6	3.3	9.1
30	5.4	114	e7.7	97	---	50	46	20	5.1	27	2.9	5.9
31	5.2	---	e7.3	68	---	35	---	20	---	4.4	2.7	---
TOTAL	314.8	587.2	871.4	538.5	541.7	1535.5	1036	1322	618.4	173.0	284.2	362.3
MEAN	10.2	19.6	28.1	17.4	19.3	49.5	34.5	42.6	20.6	5.58	9.17	12.1
MAX	95	114	290	97	55	406	107	185	202	27	117	203
MIN	3.2	4.3	7.3	6.0	9.7	9.0	14	16	5.1	2.5	2.0	2.3

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2002, BY WATER YEAR (WY)

	2000	2001	2002	2000	2001	2002	2000	2001	2002	2000	2001	2002
MEAN	12.9	13.3	32.5	22.7	23.4	48.5	42.7	28.3	18.1	8.66	15.8	10.6
MAX	15.7	19.6	36.9	28.0	27.5	49.5	50.9	42.6	20.6	11.7	22.4	12.1
(WY)	2001	2002	2001	2001	2001	2002	2001	2002	2002	2001	2001	2002
MIN	10.2	7.01	28.1	17.4	19.3	47.5	34.5	13.9	15.6	5.58	9.17	9.21
(WY)	2002	2001	2002	2002	2002	2001	2002	2001	2001	2002	2002	2001

e Estimated.

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

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 2000 - 2002	
ANNUAL TOTAL	8648.6		8185.0			
ANNUAL MEAN	23.7		22.4		23.2	
HIGHEST ANNUAL MEAN					23.9	2001
LOWEST ANNUAL MEAN					22.4	2002
HIGHEST DAILY MEAN	373	Mar 21	406	Mar 26	406	Mar 26 2002
LOWEST DAILY MEAN	2.4	Aug 7	2.0	Aug 11	2.0	Aug 11 2002
ANNUAL SEVEN-DAY MINIMUM	3.5	Sep 7	2.4	Aug 8	2.4	Aug 8 2002
MAXIMUM PEAK FLOW			1090	Mar 26	a2080	Aug 28 2001
MAXIMUM PEAK STAGE			6.35	Mar 26	8.31	Aug 28 2001
INSTANTANEOUS LOW FLOW			1.8	Aug 12	1.8	Aug 12 2002
10 PERCENT EXCEEDS	52		49		49	
50 PERCENT EXCEEDS	11		12		11	
90 PERCENT EXCEEDS	3.8		3.0		3.5	

a From rating curve extended above 550 ft³/s.

