

SWATARA CREEK BASIN

01573482 MANADA CREEK AT MANADA GAP, PA--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	19	9.6	43	e7.0	18	30	17	29	11	6.1	7.2
2	2.1	15	8.8	88	e7.5	26	30	21	23	11	5.2	8.5
3	1.9	13	8.1	63	8.1	29	28	16	24	10	5.2	11
4	2.2	11	7.4	48	13	25	26	15	44	9.3	8.6	13
5	2.5	9.4	e6.6	36	11	24	27	15	39	8.7	10	9.4
6	2.0	16	e6.9	29	9.3	34	23	15	33	8.3	14	8.1
7	1.9	11	e6.3	25	8.6	30	22	15	79	9.3	8.8	7.3
8	1.7	9.7	e5.8	24	e7.5	30	22	19	68	8.3	7.5	7.0
9	1.7	9.1	e5.4	25	e6.5	33	26	19	51	7.7	9.2	7.0
10	2.3	8.7	e4.9	23	e7.0	32	27	18	37	7.7	e9.0	6.3
11	18	9.1	e15	20	e6.0	29	55	17	30	8.5	e65	6.1
12	19	14	41	18	e5.3	27	62	17	27	7.1	48	5.9
13	11	17	36	17	e4.8	32	48	16	27	6.7	31	8.7
14	8.0	15	95	16	e5.0	38	38	15	21	6.4	23	9.7
15	6.3	13	76	15	e5.2	38	33	14	18	6.2	18	7.6
16	20	e15	53	13	e4.8	46	28	17	16	6.1	25	11
17	17	e34	35	e12	e4.4	70	25	19	14	5.6	27	7.9
18	12	e38	27	e10	e4.0	84	23	17	20	8.8	19	7.8
19	9.6	31	23	e8.8	e4.4	66	22	16	16	10	15	28
20	8.0	24	47	e9.0	e4.6	125	20	15	27	6.3	13	23
21	6.6	22	35	e9.2	e6.0	170	20	15	45	6.0	11	19
22	5.8	26	30	e7.5	e14	92	20	14	41	7.2	10	17
23	5.2	22	26	e6.6	36	62	17	13	34	11	9.0	201
24	4.8	19	22	e7.0	31	48	16	25	28	12	7.9	79
25	4.8	17	22	e7.5	27	40	15	24	24	7.1	7.6	47
26	16	15	19	e8.0	24	37	23	41	20	6.2	7.6	34
27	9.9	15	16	e8.4	22	34	20	38	17	5.8	8.8	27
28	8.5	13	15	e7.5	20	29	18	34	15	5.6	7.5	23
29	8.5	11	14	e7.6	---	30	18	30	14	5.3	6.9	19
30	23	11	13	e7.8	---	33	16	25	12	5.0	8.3	16
31	27	---	13	e8.0	---	31	---	26	---	4.9	7.4	---
TOTAL	269.7	503.0	742.8	627.9	314.0	1442	798	618	893	239.1	459.6	682.5
MEAN	8.70	16.8	24.0	20.3	11.2	46.5	26.6	19.9	29.8	7.71	14.8	22.8
MAX	27	38	95	88	36	170	62	41	79	12	65	201
MIN	1.7	8.7	4.9	6.6	4.0	18	15	13	12	4.9	5.2	5.9
CFSM	1.01	1.95	2.79	2.36	1.31	5.42	3.10	2.32	3.47	0.90	1.73	2.65
IN.	1.17	2.18	3.22	2.72	1.36	6.24	3.46	2.68	3.87	1.04	1.99	2.96

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2003, BY WATER YEAR (WY)

MEAN	8.70	16.8	24.0	20.3	11.2	46.5	26.6	19.9	29.8	7.71	14.8	22.8
MAX	8.70	16.8	24.0	20.3	11.2	46.5	26.6	19.9	29.8	7.71	14.8	22.8
(WY)	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003
MIN	8.70	16.8	24.0	20.3	11.2	46.5	26.6	19.9	29.8	7.71	14.8	22.8
(WY)	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003

e Estimated.

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SUMMARY STATISTICS	FOR 2003 WATER YEAR		WATER YEARS 2002 - 2003	
ANNUAL TOTAL	7589.6			
ANNUAL MEAN	20.8		20.8	
HIGHEST ANNUAL MEAN			20.8	2003
LOWEST ANNUAL MEAN			20.8	2003
HIGHEST DAILY MEAN	201	Sep 23	201	Sep 23 2003
LOWEST DAILY MEAN	1.7	Oct 8,9	0.74	Sep 12 2002
ANNUAL SEVEN-DAY MINIMUM	2.0	Oct 3	1.1	Sep 12 2002
MAXIMUM PEAK FLOW	337	Sep 23	337	Sep 23 2003
MAXIMUM PEAK STAGE	5.08	Sep 23	5.08	Sep 23 2003
INSTANTANEOUS LOW FLOW	1.7	Oct 8,9	0.58	Sep 11 2002 ^a
ANNUAL RUNOFF (CFSM)	2.42		2.42	
ANNUAL RUNOFF (INCHES)	32.87		32.89	
10 PERCENT EXCEEDS	38		38	
50 PERCENT EXCEEDS	15		15	
90 PERCENT EXCEEDS	6.0		6.0	

^a Also Sept. 12, 2002.

