SWATARA CREEK BASIN

01572950 INDIANTOWN RUN NEAR HARPER TAVERN, PA

LOCATION.--Lat 40°26'20", long 76°35'55", Lebanon County, Hydrologic Unit 02050305, on left bank, 10 ft downstream from Lake Road bridge over Indiantown Run, 20 ft west of State Highway 443 in Indiantown Gap Military Reservation, 1,500 ft upstream from Marquette Lake, 1.9 mi upstream from State Memorial Lake dam and 2.5 mi north of Harper Tavern.

DRAINAGE AREA.--5.48 mi^2.

PERIOD OF RECORD.--August 2002 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 530 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Satellite telemetry at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 150 ft^3/s and maximum (*):

Date	Time	Discharge ft^3/s	Gage Height (ft)
Dec. 1	0900	185	3.52
Jan. 14	0515	176	3.47
Mar. 28	1730	*198	*3.59
Apr. 2	1545	198	3.59
Apr. 3	0600	198	3.59
July 17	----	Unknown	Unknown

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	3.7	93	11	7.1	8.9	30	8.8	3.9	2.6	4.0	2.4
2	23	3.5	62	9.1	7.0	8.1	92	8.1	3.8	2.4	3.8	2.2
3	22	3.7	47	9.4	6.2	7.4	138	7.6	5.0	2.3	3.5	2.1
4	15	6.9	36	11	6.3	7.2	78	7.1	6.3	2.3	3.3	1.9
5	12	6.8	28	14	6.2	7.2	51	6.8	4.6	2.9	3.2	1.8
6	10	5.4	23	31	6.3	7.5	37	6.6	12	4.1	3.0	1.8
7	8.8	5.3	24	25	6.4	10	30	6.6	13	2.9	3.1	1.7
8	7.7	5.2	20	48	6.9	18	25	6.2	8.4	17	3.0	1.7
9	6.8	5.3	19	42	8.3	16	20	6.1	8.5	6.3	3.1	1.6
10	6.1	5.2	54	36	9.5	16	17	5.8	8.2	4.7	2.9	1.6
11	5.4	5.2	e45	32	7.5	15	15	5.6	7.0	4.1	2.7	1.5
12	4.9	10	e35	32	7.2	14	13	5.5	6.2	3.7	2.6	1.5
13	4.6	8.5	e30	26	6.7	13	12	5.2	5.7	3.4	2.5	1.5
14	6.6	6.7	26	e90	12	12	11	6.2	5.4	3.5	2.4	1.4
15	5.1	6.6	21	e50	21	11	10	8.7	5.0	3.2	2.3	1.5
16	e4.0	6.7	18	e40	17	10	9.2	5.6	5.1	e15	3.1	1.7
17	e3.2	6.6	17	e35	16	9.7	9.0	5.4	4.6	e130	2.9	2.5
18	e3.0	6.6	15	e30	14	9.3	8.5	5.1	4.2	e45	2.4	1.7
19	8.1	6.3	13	24	13	9.0	8.0	4.8	4.0	18	2.7	1.6
20	4.8	7.7	11	22	e12	9.1	7.6	5.7	3.8	14	2.4	1.5
21	4.5	8.0	10	19	e13	8.8	7.0	5.1	3.6	12	2.4	1.5
22	5.3	6.5	9.2	17	e13	8.9	6.8	4.6	3.5	10	2.3	1.5
23	4.2	6.2	32	15	12	19	12	4.6	3.3	8.8	2.1	1.6
24	4.0	40	24	13	10	23	12	4.5	2.9	7.5	1.9	1.5
25	3.8	49	19	12	9.8	19	8.9	4.3	2.8	8.6	1.9	1.4
26	3.6	37	18	12	9.0	18	8.1	4.0	2.7	6.5	1.9	2.0
27	3.5	30	16	12	8.7	18	8.3	3.5	2.6	5.7	1.9	2.3
28	3.3	59	14	e9.5	8.7	85	7.6	3.5	2.8	5.2	5.7	1.7
29	3.3	42	13	e9.0	---	96	7.4	4.2	3.1	4.9	2.7	1.8
30	5.0	35	12	8.4	---	57	9.2	4.3	3.0	4.5	2.6	1.5
31	3.9	---	11	7.6	---	40	---	4.1	---	4.2	2.7	---
TOTAL	229.5	434.6	815.2	752.0	280.8	611.1	708.6	174.2	155.0	365.3	87.0	52.0
MEAN	7.40	14.5	26.3	24.3	10.0	19.7	23.6	5.62	5.17	11.8	2.81	1.73
MAX	24	59	93	90	21	96	138	8.8	13	130	5.7	2.5
MIN	3.0	3.5	9.2	7.6	6.2	7.2	6.8	3.5	2.6	2.3	1.9	1.4
CFSM	1.35	2.64	4.80	4.43	1.83	3.60	4.31	1.03	0.94	2.15	0.51	0.32
IN.	1.56	2.95	5.53	5.10	1.91	4.15	4.81	1.18	1.05	2.48	0.59	0.35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

MEAN	9.78	15.1	22.3	16.3	8.67	20.3	21.0	9.57	11.5	8.26	8.58	13.6
MAX	15.8	18.1	26.3	24.3	10.0	28.6	23.6	12.5	22.4	11.8	12.6	37.5
(WY)	2004	2004	2005	2005	2005	2003	2005	2003	2003	2005	2004	2004
MIN	6.08	12.7	16.7	10.2	6.78	12.5	16.9	5.62	5.17	5.13	2.81	1.73
(WY)	2003	2003	2003	2004	2003	2004	2003	2005	2005	2003	2005	2005

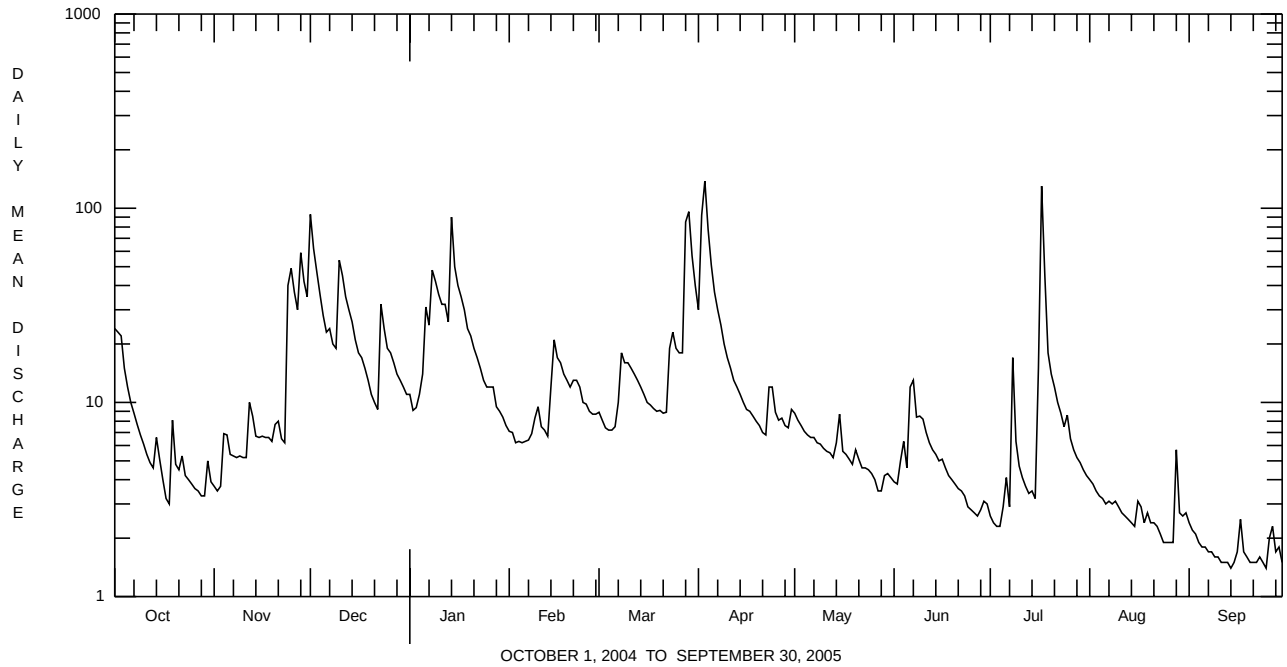
e Estimated.

SWATARA CREEK BASIN

01572950 INDIANTOWN RUN NEAR HARPER TAVERN, PA--Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2002 - 2005	
ANNUAL TOTAL	5425.8		4665.3			
ANNUAL MEAN	14.8		12.8		14.1	
HIGHEST ANNUAL MEAN					15.6	2004
LOWEST ANNUAL MEAN					12.8	2005
HIGHEST DAILY MEAN	**e**600	Sep 18	138	Apr 3	**e**600	Sep 18 2004
LOWEST DAILY MEAN	2.5	Jul 11	1.4	Sep 14,25	0.83	Sep 10 2002
ANNUAL SEVEN-DAY MINIMUM	3.0	Jul 5	1.5	Sep 9	0.88	Sep 5 2002
MAXIMUM PEAK FLOW			**a**198	Mar 28**b**	**a**2520	Sep 18 2004
MAXIMUM PEAK STAGE			3.59	Mar 28**b**	**c**9.31	Sep 18 2004
INSTANTANEOUS LOW FLOW			1.3	Sep 25	0.78	Sep 9 2002
ANNUAL RUNOFF (CFSM)	2.71		2.33		2.57	
ANNUAL RUNOFF (INCHES)	36.83		31.67		34.94	
10 PERCENT EXCEEDS	25		30		26	
50 PERCENT EXCEEDS	9.3		7.0		9.4	
90 PERCENT EXCEEDS	4.0		2.3		3.4	

a From rating curve extended above 124 ft^3/s on basis of slope-area measurement of peak flow at gage height 9.31 ft.
b Also Apr. 2, 3.
c From floodmark in gage.
e Estimated.



OCTOBER 1, 2004 TO SEPTEMBER 30, 2005