CRUM CREEK BASIN

01475530 COBBS CREEK AT U.S. HIGHWAY NO. 1 AT PHILADELPHIA, PA

LOCATION.--Lat 39°58'29", long 75°16'49", Philadelphia County, Hydrologic Unit 02040202, on left bank 30 ft downstream from bridge on U.S. Highway No. 1 and 50 ft upstream from unnamed tributary at west city limits of Philadelphia.

DRAINAGE AREA.--4.78 mi².

PERIOD OF RECORD.--October 1964 to September 1981. Prior to October 1973 published as "near Philadelphia". September 2004 to current year.

GAGE.--Water-stage recorder, concrete control, and crest-stage gage. Datum of gage is 121.76 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except those above 124 ft³/s, which are poor. Satellite telemetry at station. Several measurements of water temperature were made during the year.

PEAK DISCHARGES FOR 2004 WATER YEAR.--Peak discharges greater than base discharge of 750 ft³/s (revised) and maximum (*):

	Date 28, 2004	Time 1800	Discharg ft ³ /s 2,070	(1	Height ft)		No	Date other peak	Time greater	Discharge ft ³ /s than base		ge Height (ft) narge.
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004 DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL A	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												4.1
10												3.7
11												3.5
12												3.5
13												3.4
14												3.5
15												3.5
16												3.6
17												3.5
18												42
19												4.0
20												3.5
21												3.3
22												3.3
23 24												3.2
25												3.2
25												3.2
26												3.2
27												3.2
28												204
29												27
30												4.6
31												
TOTAL												
MEAN												
MAX												
MIN												
CFSM												
IN.												

DARBY CREEK BASIN

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PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 750 ft³/s (revised) and maximum (*)

Date Apr. July 1	2 17	me	ischarge ft ³ /s 1,870 798 DISCHAR	Gage Height (ft) *8.61 6.62		COND. WA T	Date July 10	6 17	me 45	ischarge ft ³ /s 839 PTEMBER 2	Gage Height (ft) 6.72	
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 2 3 4 5	5.6 5.1 4.7 4.5 4.3	4.2 4.2 4.2 41 7.2	33 6.3 5.6 5.3 5.0	4.4 4.3 4.6 4.9	4.4 4.3 4.4 4.8 5.2	10 8.3 7.6 7.6 7.6	7.6 241 26 11 9.6	10 6.9 6.5 6.2 6.1	4.6 4.5 22 8.1 5.2	4.5 3.7 3.5 3.5 6.1	3.0 2.9 2.7 2.8 e2.7	3.5 3.2 3.2 3.8 2.9
6 7 8 9 10	4.1 4.1 3.9 3.9 4.0	5.0 4.5 4.2 4.2 4.1	4.8 18 7.4 15 20	12 5.5 14 5.4 4.8	5.3 5.2 5.5 6.0 8.0	7.8 9.7 17 8.8 8.3	8.9 8.5 20 8.4 7.9	6.1 6.1 5.9 5.8 5.8	28 7.7 5.0 4.7 4.7	5.3 3.5 53 4.7 4.0	e2.7 e2.7 e3.0 3.5 2.9	3.0 3.1 3.0 3.1 3.0
11 12 13 14 15	4.0 4.0 3.9 26 5.9	4.1 26 15 5.3 4.9	8.2 6.1 5.6 5.3 5.1	8.8 7.7 4.9 93 7.3	5.2 4.9 4.7 43 16	8.3 9.0 7.7 7.6 7.5	7.6 7.4 7.2 7.1 6.9	5.8 5.6 5.5 5.5 5.4	4.6 4.4 4.2 4.1 4.0	3.8 3.5 3.6 3.6	2.7 2.6 2.5 2.5 37	2.9 3.5 3.2 3.9 9.3
16 17 18 19 20	5.0 4.4 4.5 22 4.9	4.7 4.5 4.4 4.4 5.1	5.1 5.0 4.9 5.3 4.7	5.9 5.4 5.1 5.0 5.0	13 8.7 7.9 7.6 7.5	7.4 7.3 7.3 7.3 9.1	6.9 7.0 6.8 6.8	5.3 5.3 5.1 5.1	4.7 4.2 4.1 4.2 4.2	48 23 5.7 4.0 3.8	8.9 6.0 3.7 4.7 3.8	3.6 7.5 4.6 3.3 3.2
21 22 23 24 25	6.8 5.0 4.4 4.4	5.2 4.1 4.1 5.9 6.4	4.6 4.6 26 5.9 4.8	4.7 4.6 5.1 4.7 4.6	11 11 8.5 8.2 9.1	7.6 7.2 35 11 7.8	6.6 6.7 17 9.0 6.7	5.9 5.6 5.3 5.2 5.3	4.1 4.2 4.0 3.9 3.8	3.4 3.3 3.2 3.0 3.3	3.5 3.3 3.3 3.2 3.1	3.1 2.9 3.0 3.1 3.1
26 27 28 29 30 31	4.3 4.3 4.6 18 4.9	4.1 4.1 97 6.4 5.3	4.6 4.5 4.4 4.5 4.4	4.6 4.3 4.3 4.4 4.5	8.3 7.8 8.4 	7.4 7.4 79 12 8.4 7.9	6.6 9.6 6.6 6.4 15	5.6 5.0 5.9 5.0 4.8 4.8	3.8 8.8 5.4 4.1 3.8	3.0 3.5 2.9 2.9	3.2 8.9 7.0 3.5 3.4 3.5	5.6 4.2 3.0 3.5 3.1
TOTAL MEAN MAX MIN CFSM IN.	194.0 6.26 26 3.9 1.31 1.51	303.8 10.1 97 4.1 2.12 2.36	248.4 8.01 33 4.4 1.68 1.93	273.2 8.81 93 4.3 1.84 2.13	243.9 8.71 43 4.3 1.82 1.90	361.9 11.7 79 7.2 2.44 2.82	509.6 17.0 241 6.4 3.55 3.97	189.4 6.11 17 4.8 1.28 1.47	183.1 6.10 28 3.8 1.28 1.42	280.2 9.04 54 2.9 1.89 2.18	149.2 4.81 37 2.5 1.01 1.16	111.4 3.71 9.3 2.9 0.78 0.87
STATISTICS OF MONTHLY MEAN DATA FOR PERIOD OF DAILY RECORD, BY WATER YEAR (WY)												
MEAN MAX (WY) MIN (WY)	6.19 13.8 1980 2.43 1965	6.76 17.1 1973 2.13 1966	7.62 14.3 1974 2.50 1966	7.75 18.8 1979 2.01 1981	7.83 16.4 1979 3.36 1969	8.96 15.4 1980 3.28 1981	8.77 17.0 2005 4.77 1969	7.90 12.1 1978 3.89 1965	6.70 13.8 1975 2.08 1966	6.54 16.5 1975 3.29 1966	6.69 17.7 1974 1.93 1966	6.52 20.2 1971 2.18 1970

e Estimated.

DARBY CREEK BASIN

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SUMMARY STATISTICS	FOR 2005 WAT	TER YEAR	FOR PERIOD OF DAILY RECORD			
ANNUAL TOTAL	3048.1		5.25			
ANNUAL MEAN HIGHEST ANNUAL MEAN	8.35		7.35 10.7	1973		
LOWEST ANNUAL MEAN			4.19	1965		
HIGHEST DAILY MEAN	241	Apr 2	310	Aug 23 1974		
LOWEST DAILY MEAN	2.5	Aug 13,14	0.90	Sep 10 1966		
ANNUAL SEVEN-DAY MINIMUM	2.8	Aug 1	1.1	Sep 7 1966		
MAXIMUM PEAK FLOW	a 1870	Apr 2	a 3480	Aug 23 1974		
MAXIMUM PEAK STAGE	8.61	Apr 2	10.48	Aug 23 1974		
INSTANTANEOUS LOW FLOW	2.1	Aug 14	0.30	Oct 13 1965 b		
ANNUAL RUNOFF (CFSM)	1.75		1.54			
ANNUAL RUNOFF (INCHES)	23.72		20.89			
10 PERCENT EXCEEDS	11		12			
50 PERCENT EXCEEDS	5.0		4.4			
90 PERCENT EXCEEDS	3.2		2.2			

<sup>a From rating curve extended above 124 ft³/s.
b Also Nov. 24, 25, 1965.</sup>

