



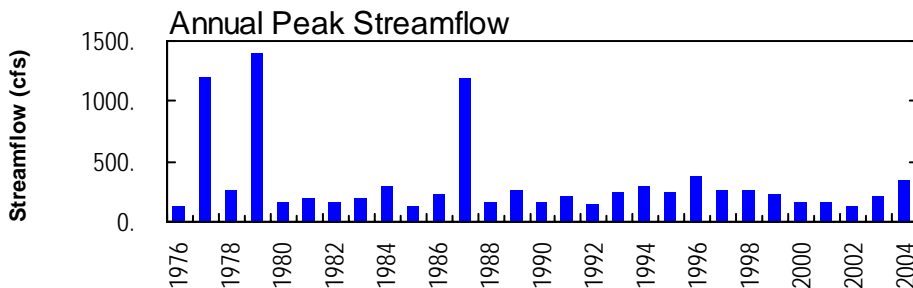
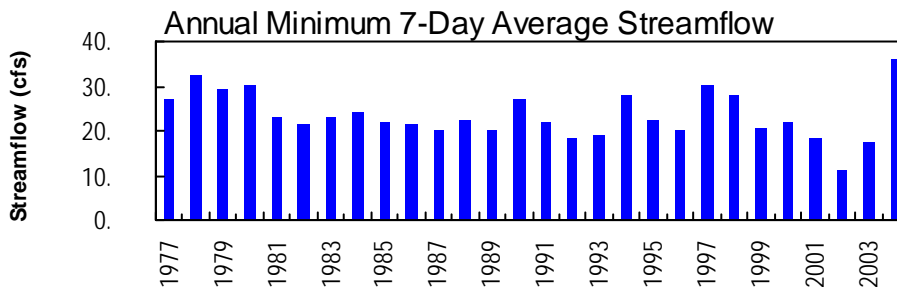
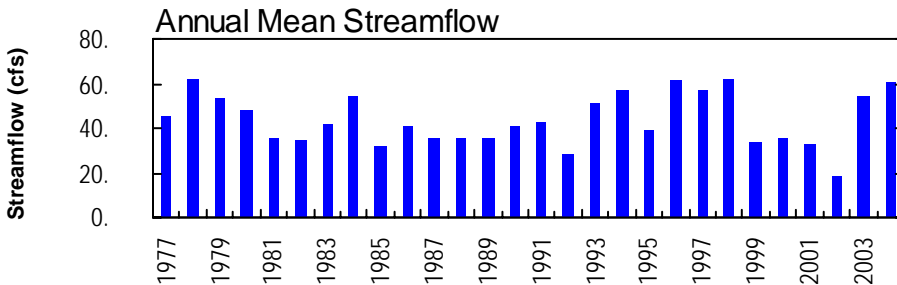
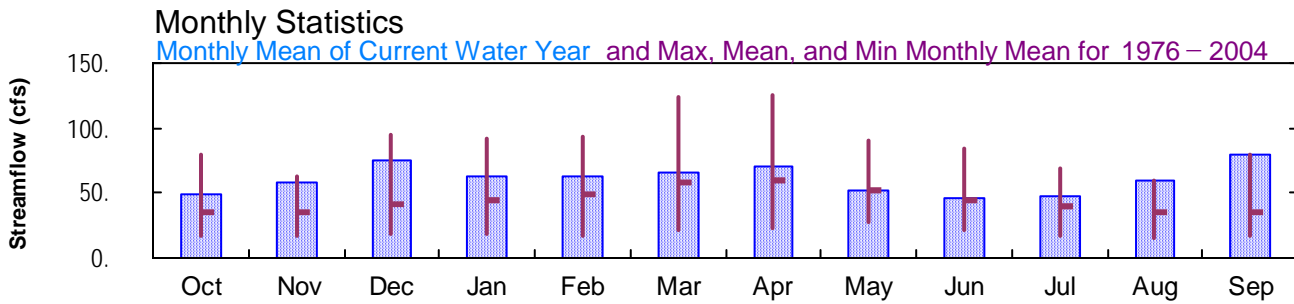
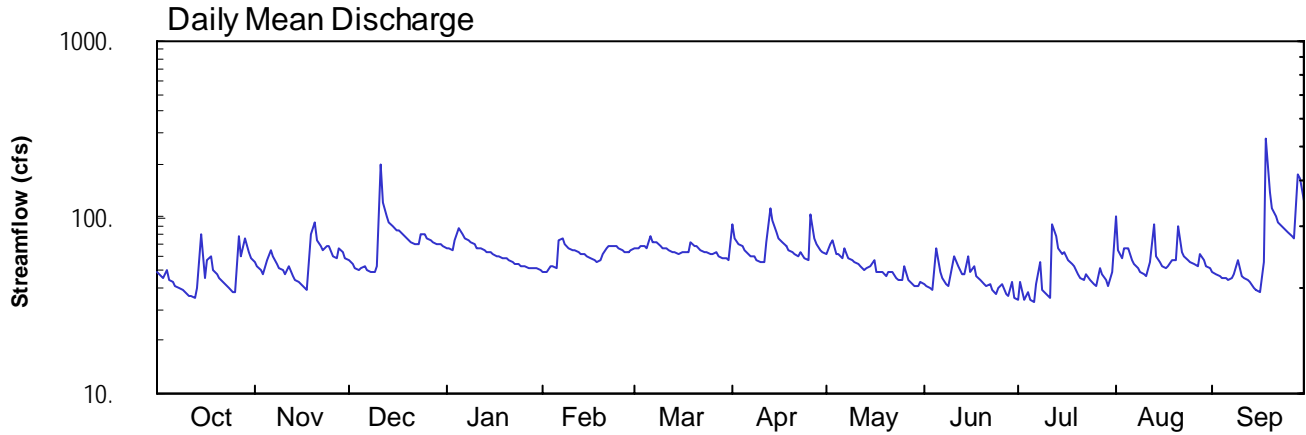
2004 Water Year
CONODOGUINET CREEK BASIN

01569800 Letort Spring Run near Carlisle, PA

Latitude: 40° 14' 05"
Cumberland County

Longitude: 077° 08' 23"
Datum: 402.05 feet

Hydrologic Unit Code: 02050305
Drainage Area: 21.6 mi²



01569800--Letort Spring Run near Carlisle

CONODOGUINET CREEK BASIN

01569800 LETORT SPRING RUN NEAR CARLISLE, PA

LOCATION.--Lat 40°14'05", long 77°08'23", Cumberland County, Hydrologic Unit 02050305, on right bank 320 ft downstream from bridge on U.S. Highway 11, 0.2 mi upstream from mouth, 3.1 mi west of New Kingstown, and 3.7 mi east of Carlisle.

DRAINAGE AREA.--21.6 mi².

PERIOD OF RECORD.--June 1976 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 402.05 ft above North American Vertical Datum of 1988.

REMARKS.--Records fair. Several measurements of water temperature were made during the year. Satellite telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1936 reached a stage of 8.8 ft, discharge not determined, and flood in June 1972 reached a stage of 8.4 ft, from information by local resident, discharge not determined.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 180 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Dec. 11	0815	304	5.12	Sept. 28	2015	298	5.10
Sept. 18	1030	*351	*5.27				

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	AUG	SEP
1	49	55	56	66	49	66	92	62	42	34	100	49
2	47	52	54	67	49	67	75	69	41	43	65	48
3	45	50	52	65	53	68	70	75	40	34	59	47
4	50	47	50	75	54	69	69	62	39	38	66	45
5	44	57	52	87	52	67	65	61	67	34	66	45
6	43	65	53	80	74	77	62	58	50	33	57	44
7	41	60	51	77	77	73	60	66	45	42	54	45
8	40	54	50	74	70	71	60	59	42	55	51	48
9	39	51	49	72	66	69	58	57	41	39	49	57
10	38	50	53	70	65	68	56	55	53	36	47	47
11	36	48	e200	68	64	66	56	54	61	35	46	45
12	35	52	122	66	63	65	72	52	54	90	55	44
13	34	47	101	65	62	63	111	50	48	79	91	43
14	40	44	95	64	61	63	96	52	48	67	61	40
15	79	43	90	63	60	62	82	52	60	62	56	38
16	45	42	85	62	58	64	76	56	49	63	53	38
17	57	40	85	61	56	63	72	49	52	56	52	56
18	60	39	81	61	56	63	69	49	46	55	53	278
19	50	81	78	59	57	71	65	49	44	53	57	140
20	47	94	75	58	62	68	63	47	42	48	57	113
21	45	75	72	57	67	68	61	49	41	45	90	102
22	43	69	70	56	69	65	60	49	42	44	64	93
23	41	65	70	55	69	64	63	45	39	48	60	89
24	39	68	80	54	69	63	58	44	37	44	58	85
25	38	68	80	53	67	62	58	44	40	42	56	81
26	38	61	77	52	66	62	104	52	42	41	54	78
27	79	59	74	52	64	63	77	44	36	52	52	75
28	60	67	72	52	64	61	70	43	36	48	61	176
29	77	64	70	51	65	59	65	41	43	44	57	167
30	63	59	71	51	---	58	64	40	35	41	53	124
31	59	---	68	50	---	58	---	43	---	48	51	---
TOTAL	1501	1726	2336	1943	1808	2026	2109	1628	1355	1493	1851	2380
MEAN	48.4	57.5	75.4	62.7	62.3	65.4	70.3	52.5	45.2	48.2	59.7	79.3
MAX	79	94	200	87	77	77	111	75	67	90	100	278
MIN	34	39	49	50	49	58	56	40	35	33	46	38
CFSM	2.24	2.66	3.49	2.90	2.89	3.03	3.25	2.43	2.09	2.23	2.76	3.67
IN.	2.59	2.97	4.02	3.35	3.11	3.49	3.63	2.80	2.33	2.57	3.19	4.10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2004, BY WATER YEAR (WY)

MEAN	34.5	35.5	41.7	44.1	48.3	58.4	60.3	51.4	44.9	39.4	35.1	35.3
MAX	79.6	62.2	94.5	92.0	93.9	123	126	90.9	83.6	68.3	59.7	79.3
(WY)	1977	1997	1997	1979	1998	1994	1993	1998	2003	1996	2004	2004
MIN	16.5	17.0	18.0	17.6	16.6	21.9	23.0	27.8	21.2	16.4	14.9	16.6
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002

e Estimated.

CONODOGUINET CREEK BASIN

01569800 LETORT SPRING RUN NEAR CARLISLE, PA--Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1976 - 2004	
ANNUAL TOTAL	22048		22156			
ANNUAL MEAN	60.4		60.5		44.0	
HIGHEST ANNUAL MEAN					62.4	1998
LOWEST ANNUAL MEAN					19.0	2002
HIGHEST DAILY MEAN	200	Dec 11	278	Sep 18	452	Jan 24 1979
LOWEST DAILY MEAN	30	Feb 18	33	Jul 6	9.8	Sep 13 2002
ANNUAL SEVEN-DAY MINIMUM	31	Feb 14	36	Jun 30	11	Sep 8 2002
MAXIMUM PEAK FLOW			a351	Sep 18	b1400	Jan 24 1979
MAXIMUM PEAK STAGE			c5.59	Dec 11	6.53	Jan 24 1979
INSTANTANEOUS LOW FLOW			32	Jul 6	0.00	Aug 15 1976d
ANNUAL RUNOFF (CFSM)	2.80		2.80		2.04	
ANNUAL RUNOFF (INCHES)	37.97		38.16		27.69	
10 PERCENT EXCEEDS	81		79		71	
50 PERCENT EXCEEDS	57		58		38	
90 PERCENT EXCEEDS	40		41		23	

a Gage height 5.27 ft.

b From rating curve extended above 680 ft³/s on basis of slope-area measurement at gage height 6.43 ft.

c Gage height affected by backwater from debris.

d Part of day.