## 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 mi<sup>2</sup>.

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

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 410 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records good. 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 ft<sup>3</sup>/s and maximum (\*):

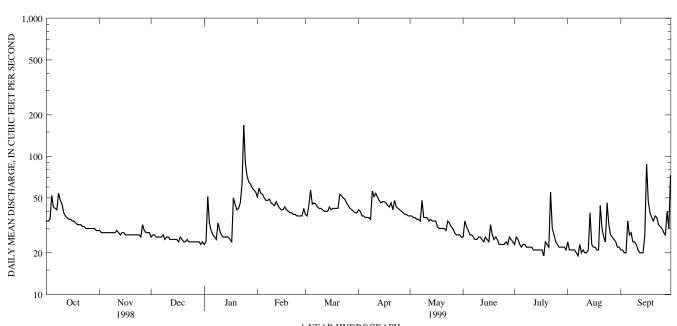
Date Jan.		Time 1015	D	ischarge ft <sup>3</sup> /s *228	Gage Height (ft) *4.85			Date No other	Tin peak gr	ne f	charge t <sup>3</sup> /s an base	Gage Height (ft) discharge.	
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999 DAILY MEAN VALUES													
DAY	0	CT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1 2 3 4 5		34 34 35 52 43	29 28 28 28 28	26 27 27 26 26	23 24 51 33 29	51 59 54 53 50	38 37 44 57 45	41 40 37 37 36	37 37 36 36 35	26 34 31 29 27	23 26 25 23 22	24 21 21 21 21	21 21 20 20 34
6 7 8 9 10		42 41 54 48 45	28 28 28 28 28	26 26 27 25 26	27 26 25 33 29	48 48 49 46 45	46 45 43 42 42	36 36 35 56 51	35 34 48 36 36	27 26 25 25 26	23 23 22 22 22	20 19 23 20 21	27 28 24 24 23
11 12 13 14 15		39 37 36 35 35	29 28 27 28 28	26 25 25 25 25	27 26 26 26 26	44 47 44 42 41	41 40 40 40 43	54 51 48 46 47	36 34 35 34 34	26 25 24 26 25	22 21 21 21 21	20 20 21 39 23	21 20 20 20 27
16 17 18 19 20		34 34 33 32 32	27 27 27 27 27	25 24 26 25 24	25 24 50 45 41	41 43 41 40 39	41 42 42 42 42	47 46 44 43 46	34 31 30 30 30	24 32 27 25 26	21 21 19 24 23	22 22 21 21 44	88 47 39 36 34
21 22 23 24 25		32 31 31 30 30	27 27 27 27 26	24 25 24 24 24	42 46 63 168 89	39 38 38 37 37	53 52 50 49 46	41 48 43 42 41	30 29 34 33 31	25 23 23 23 23	22 55 30 27 24	30 26 24 46 32	37 36 32 31 30
26 27 28 29 30 31		30 30 30 30 30 29	32 29 28 28 28	24 24 24 24 23 24	72 65 63 59 57 55	37 37 42 	44 42 41 40 39 39	40 39 38 38 37	30 28 27 27 27 26	24 23 26 25 24	23 22 22 22 22 21	27 26 25 24 22 22	28 27 40 30 73
TOTAL MEAN MAX MIN CFSM IN.		.7 54 29 65	835 27.8 32 26 1.29 1.44	776 25.0 27 23 1.16 1.34	1395 45.0 168 23 2.08 2.40	1230 43.9 59 37 2.03 2.12	1347 43.5 57 37 2.01 2.32	1284 42.8 56 35 1.98 2.21	1020 32.9 48 26 1.52 1.76	775 25.8 34 23 1.20 1.33	735 23.7 55 19 1.10 1.27	768 24.8 46 19 1.15 1.32	958 31.9 88 20 1.48 1.65
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 1999, BY WATER YEAR (WY)													
MEAN MAX (WY) MIN (WY)	35 79 19 20 19	.6 77 .0	36.4 62.2 1997 23.0 1992	42.2 94.5 1997 22.4 1982	45.6 92.0 1979 24.2 1989	50.7 93.9 1998 22.3 1989	59.7 123 1994 30.4 1989	61.7 126 1993 29.3 1989	52.9 90.9 1998 32.9 1999	44.9 71.3 1996 25.8 1999	40.0 68.3 1996 23.4 1987	34.8 54.5 1989 20.7 1992	34.2 68.4 1996 21.7 1992

## CONODOGUINET CREEK BASIN

## 01569800 LETORT SPRING RUN NEAR CARLISLE, PA--Continued

SUMMARY STATISTICS	FOR 1998 CALEN	DAR YEAR	FOR 1999 WAT	ER YEAR	WATER YEAR	s 1976 - 1999
ANNUAL TOTAL	21555		12230			
ANNUAL MEAN	59.1		33.5		44.8	
HIGHEST ANNUAL MEAN					62.4	1998
LOWEST ANNUAL MEAN					28.3	1992
HIGHEST DAILY MEAN	180	Mar 21	168	Jan 24	452	Jan 24 1979
LOWEST DAILY MEAN	23	Dec 30	19	Jul 18,Aug 7	10	Aug 14 1976
ANNUAL SEVEN-DAY MINIMUM	24	Dec 24	20	Aug 6	18	Aug 30 1992
INSTANTANEOUS PEAK FLOW			228	Jan 24	<b>a</b> 1400	Jan 24 1979
INSTANTANEOUS PEAK STAGE			4.85	Jan 24	6.53	Jan 24 1979
INSTANTANEOUS LOW FLOW			18	Aug 7 <b>b</b>	.00	Aug 15 1976 <b>c</b>
ANNUAL RUNOFF (CFSM)	2.73		1.55		2.07	
ANNUAL RUNOFF (INCHES)	37.12		21.06		28.18	
10 PERCENT EXCEEDS	95		48		72	
50 PERCENT EXCEEDS	55		30		39	
90 PERCENT EXCEEDS	27		22		24	

 $<sup>\</sup>begin{array}{l} \textbf{a} \ \ \text{From rating curve extended above 680 ft}^{3}\!/\!s \ \text{on basis of slope-area measurement at gage height 6.43 ft.} \\ \textbf{b} \ \ \text{Also Aug. 13, Sept. 4, 5, 14.} \\ \textbf{c} \ \ \text{Part of day.} \end{array}$ 



1-YEAR HYDROGRAPH OCTOBER 1, 1998 TO SEPTEMBER 30, 1999