



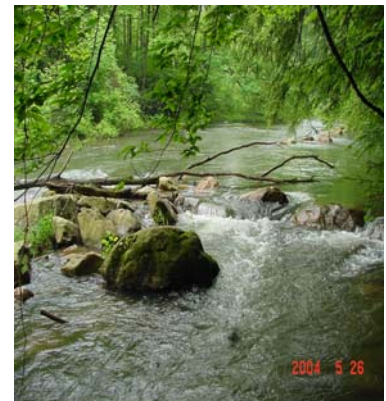
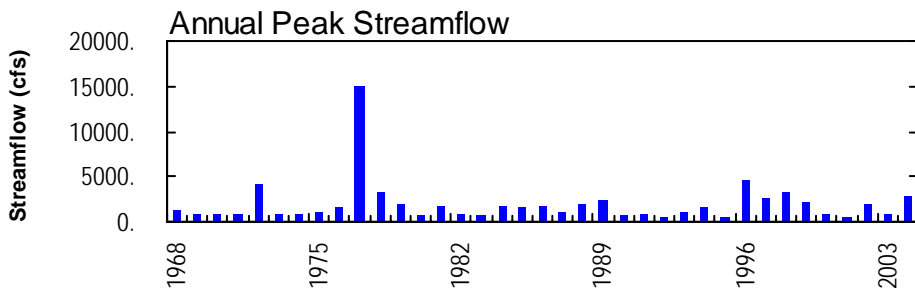
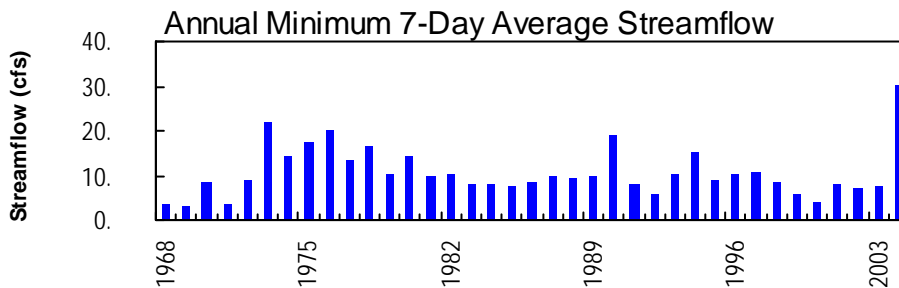
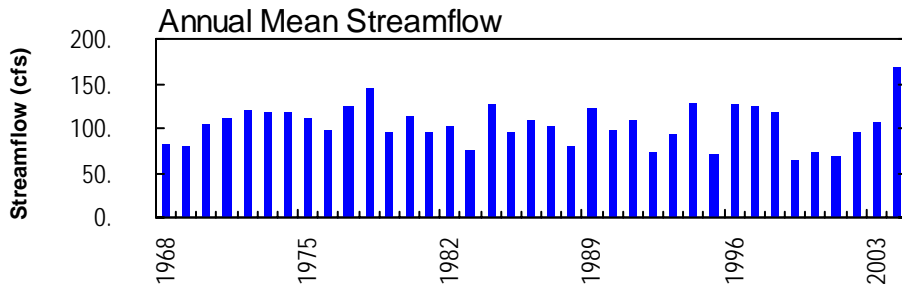
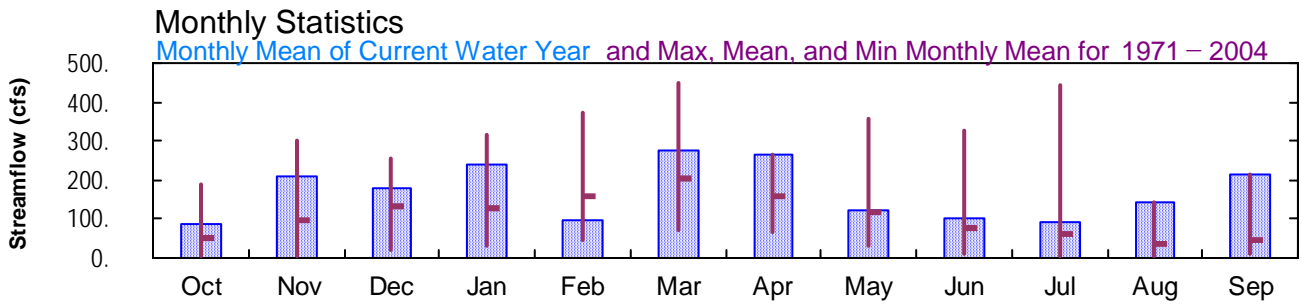
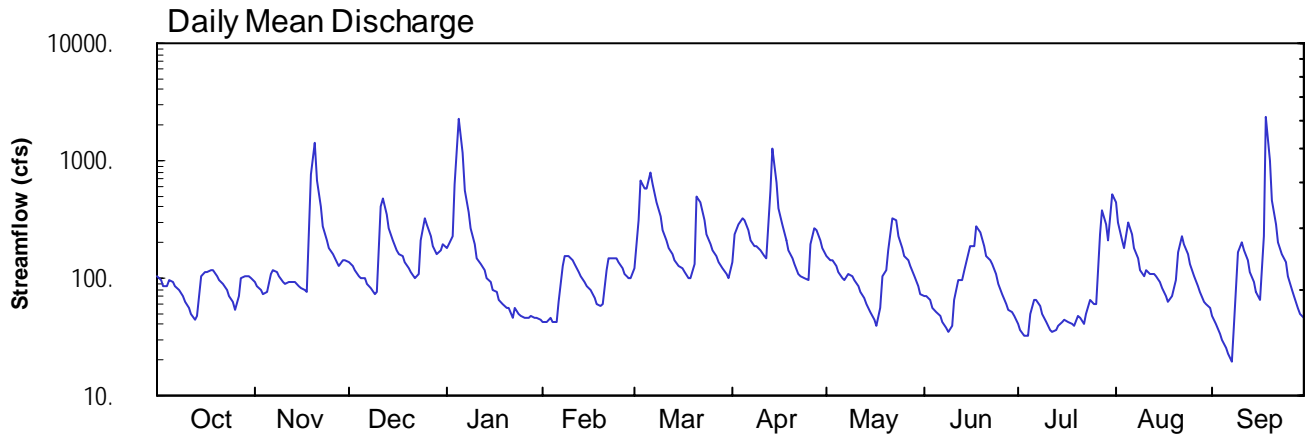
2004 Water Year  
KISKIMINETAS RIVER BASIN

03042280 Yellow Creek near Homer City, PA

Latitude: 40° 34' 21"  
Indiana County

Longitude: 079° 06' 13"  
Datum: 1140.00 feet

Hydrologic Unit Code: 05010007  
Drainage Area: 57.4 mi<sup>2</sup>



**KISKIMINETAS RIVER BASIN**

**03042280 YELLOW CREEK NEAR HOMER CITY, PA**

**LOCATION.**--Lat 40°34'21", long 79°06'13", Indiana County, Hydrologic Unit 05010007, on left bank 0.3 mi upstream from Central Indiana County Water Authority dam, 0.4 mi upstream from Ferrier Run, which has been diverted, and 3.5 mi northeast of Homer City.

**DRAINAGE AREA.**--57.4 mi<sup>2</sup>, excludes that of Ferrier Run.

**PERIOD OF RECORD.**--October 1967 to current year.

**REVISED RECORDS.**--WDR PA-76-3: Drainage area.

**GAGE.**--Water-stage recorder. Elevation of gage is 1,140 ft above National Geodetic Vertical Datum of 1929, from topographic map.

**REMARKS.**--Records good except those for estimated daily discharges, which are poor. Flow regulated since July 1971 by Yellow Creek Lake (station 03042260) 4.2 mi upstream. Several measurements of water temperature were made during the year. Satellite telemetry at station.

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	103	92	134	177	e43	120	136	156	71	41	444	48
2	96	86	126	193	e43	312	236	143	70	36	302	40
3	87	80	115	230	e46	673	282	141	64	32	210	34
4	86	73	105	616	43	583	321	128	56	32	178	30
5	96	76	100	2310	42	581	308	112	52	49	296	26
6	94	110	98	1150	62	793	256	101	47	65	238	23
7	86	115	90	548	126	621	211	96	43	64	182	20
8	78	112	81	361	156	448	186	108	38	58	147	38
9	70	103	74	265	155	334	190	104	34	49	119	165
10	62	94	77	191	143	258	171	96	39	42	103	199
11	56	89	408	148	130	207	153	86	65	37	116	171
12	49	92	482	131	114	182	148	77	98	35	108	140
13	44	94	349	118	104	159	566	68	95	36	108	112
14	47	92	268	101	94	139	1240	59	115	39	104	91
15	104	86	213	93	85	127	648	51	157	43	94	76
16	111	82	173	e80	78	119	398	44	184	43	81	64
17	113	80	162	e75	67	110	282	39	185	42	71	223
18	119	76	154	e65	61	101	213	55	278	41	62	2320
19	115	771	138	e60	57	102	171	102	246	39	70	999
20	105	1440	124	e55	59	132	148	116	187	48	98	462
21	96	665	111	e55	115	497	129	174	151	47	169	283
22	89	405	100	e45	150	441	110	318	139	40	228	201
23	80	281	106	e55	151	316	105	313	132	49	196	e160
24	70	212	212	e49	147	239	99	231	108	66	161	e135
25	61	183	317	e47	136	196	97	178	90	59	132	e105
26	54	157	282	e46	123	171	195	152	73	61	105	e80
27	71	136	224	e45	110	154	269	145	60	232	86	e70
28	100	126	184	e47	102	139	259	125	53	382	75	e55
29	106	144	161	e46	101	123	213	103	51	281	64	e50
30	106	140	174	e46	---	107	179	86	47	210	61	e45
31	99	---	193	e44	---	101	---	74	---	512	56	---
TOTAL	2653	6292	5535	7492	2843	8585	7919	3781	3028	2810	4464	6465
MEAN	85.6	210	179	242	98.0	277	264	122	101	90.6	144	216
MAX	119	1440	482	2310	156	793	1240	318	278	512	444	2320
MIN	44	73	74	44	42	101	97	39	34	32	56	20
CFSM	1.49	3.65	3.11	4.21	1.71	4.82	4.60	2.12	1.76	1.58	2.51	3.75
IN.	1.72	4.08	3.59	4.86	1.84	5.56	5.13	2.45	1.96	1.82	2.89	4.19

e Estimated.

KISKIMINETAS RIVER BASIN

03042280 YELLOW CREEK NEAR HOMER CITY, PA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2004, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	52.9	96.6	134	125	158	204	160	118	78.6	61.3	35.0	44.0
MAX (WY)	186	303	254	314	374	447	264	358	324	443	144	216
	1978	1998	1973	1996	1981	1994	2004	1978	1972	1977	2004	2004
MIN (WY)	6.10	6.85	21.1	32.1	44.4	70.8	68.8	28.5	12.2	5.95	5.46	8.02
	1992	1999	1999	2000	1993	1990	1997	2001	1999	1971	1971	2002

SUMMARY STATISTICS FOR 2003 CALENDAR YEAR FOR 2004 WATER YEAR WATER YEARS 1971 - 2004

ANNUAL TOTAL	47901	61867		
ANNUAL MEAN	131	169	105	
HIGHEST ANNUAL MEAN			169	2004
LOWEST ANNUAL MEAN			64.2	1999
HIGHEST DAILY MEAN	1440	Nov 20	2320	Sep 18
			7630	Jul 20 1977
LOWEST DAILY MEAN	e17	Feb 2,3	20	Sep 7
			3.4	Jul 8 1971
ANNUAL SEVEN-DAY MINIMUM	a19	Jan 28	30	Sep 2
			3.6	Jul 22 1971
MAXIMUM PEAK FLOW			2870	Sep 18
			b15000	Jul 20 1977
MAXIMUM PEAK STAGE			6.65	Sep 18
			12.60	Jul 20 1977
ANNUAL RUNOFF (CFSM)	2.29		2.94	
			1.84	
ANNUAL RUNOFF (INCHES)	31.04		40.09	
			24.96	
10 PERCENT EXCEEDS	247		312	236
50 PERCENT EXCEEDS	100		106	61
90 PERCENT EXCEEDS	33		45	11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 1970, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	24.6	72.0	119	113	146	136	160	148	51.0	39.6	39.9	26.9
MAX (WY)	51.8	105	142	148	210	199	243	212	74.7	75.4	63.0	66.6
	1968	1968	1969	1969	1970	1970	1970	1968	1970	1969	1969	1970
MIN (WY)	7.87	43.9	102	90.8	112	46.4	62.7	103	25.5	7.11	13.0	5.34
	1969	1970	1968	1970	1969	1969	1968	1969	1969	1968	1968	1969

SUMMARY STATISTICS WATER YEARS 1968 - 1970

ANNUAL MEAN	89.4
HIGHEST ANNUAL MEAN	104
	1970
LOWEST ANNUAL MEAN	80.7
	1969
HIGHEST DAILY MEAN	1100
	Jan 31 1968
LOWEST DAILY MEAN	3.0
	Jul 31 1968
ANNUAL SEVEN-DAY MINIMUM	3.3
	Sep 18 1969
MAXIMUM PEAK FLOW	c1300
	Jan 30 1968
MAXIMUM PEAK STAGE	d7.83
	Jan 29 1970
INSTANTANEOUS LOW FLOW	1.4
	Jul 19 1969
ANNUAL RUNOFF (CFSM)	1.56
ANNUAL RUNOFF (INCHES)	21.16
10 PERCENT EXCEEDS	213
50 PERCENT EXCEEDS	50
90 PERCENT EXCEEDS	8.0

a Computed using estimated daily discharges.

b From rating curve extended above 4,100 ft<sup>3</sup>/s on basis of computation of peak flow over dam, gage height 7.46 ft.

c About.

d Backwater from ice.

e Estimated.