

KISKIMINETAS RIVER BASIN

03042280 YELLOW CREEK NEAR HOMER CITY, PA

LOCATION.--Lat 40°34'18", 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 mi², 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 sea level, from topographic map.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated since 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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.5	97	155	37	e7.9	211	73	97	97	25	26	13
2	7.9	38	155	51	e7.8	211	68	96	92	21	25	13
3	8.2	99	129	37	e7.6	199	71	96	85	21	25	14
4	12	131	62	14	e7.4	177	239	66	78	24	31	16
5	11	104	62	24	e7.2	157	389	38	51	23	30	15
6	11	40	62	34	e7.0	140	359	42	27	20	49	14
7	11	3.9	62	34	6.9	95	289	43	39	17	84	11
8	12	4.3	62	34	e6.9	58	245	43	42	15	80	9.3
9	14	5.3	62	34	e6.9	61	231	43	41	13	69	8.6
10	15	5.3	83	44	e6.9	66	202	37	38	13	59	8.9
11	12	5.7	108	101	e6.9	74	181	34	34	14	48	13
12	12	5.9	108	148	e6.9	103	176	34	32	13	40	16
13	15	5.9	131	107	17	110	166	33	34	12	34	25
14	20	5.9	177	7.6	123	111	127	30	36	14	29	26
15	24	5.9	173	13	232	106	102	27	35	17	25	25
16	25	5.9	167	11	263	102	102	24	36	27	21	25
17	26	5.9	161	15	181	139	106	22	35	27	18	24
18	33	5.2	160	26	17	155	115	20	32	24	17	22
19	75	3.9	156	37	45	155	115	24	32	21	16	20
20	96	3.9	155	27	27	146	115	29	29	19	15	19
21	161	3.9	155	e24	18	361	155	30	37	17	13	19
22	176	3.9	155	e21	14	700	251	30	46	15	12	18
23	175	3.9	100	e19	14	513	297	35	46	13	12	17
24	173	3.9	62	e17	69	378	302	176	42	12	16	31
25	172	4.0	62	15	157	280	262	268	36	11	16	42
26	170	96	61	e13	210	174	213	257	37	9.7	15	43
27	197	125	37	e12	212	159	178	206	39	8.9	15	51
28	208	106	12	e11	249	149	152	189	34	12	16	48
29	185	130	12	e9.8	247	122	131	200	30	11	16	43
30	154	155	14	e8.8	---	96	112	153	28	9.4	14	38
31	146	---	18	8.0	---	86	---	100	---	11	13	---
TOTAL	2365.6	1213.5	3078	994.2	2181.3	5594	5524	2522	1300	510.0	899	687.8
MEAN	76.3	40.5	99.3	32.1	75.2	180	184	81.4	43.3	16.5	29.0	22.9
MAX	208	155	177	148	263	700	389	268	97	27	84	51
MIN	7.9	3.9	12	7.6	6.9	58	68	20	27	8.9	12	8.6
CFSM	1.33	.70	1.73	.56	1.31	3.14	3.21	1.42	.75	.29	.51	.40
IN.	1.53	.79	1.99	.64	1.41	3.63	3.58	1.63	.84	.33	.58	.45

e Estimated.

KISKIMINETAS RIVER BASIN

03042280 YELLOW CREEK NEAR HOMER CITY, PA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2000, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	54.1	99.0	136	125	163	204	159	118	73.6	62.0	29.8	38.1
MAX	186	303	254	314	374	447	246	358	324	443	90.3	163
(WY)	1978	1998	1973	1996	1981	1994	1987	1978	1972	1977	1980	1996
MIN	6.10	6.85	21.1	32.1	44.4	70.8	68.8	32.1	12.1	5.95	5.46	8.16
(WY)	1992	1999	1999	2000	1993	1990	1997	1975	1999	1971	1971	1991

SUMMARY STATISTICS FOR 1999 CALENDAR YEAR FOR 2000 WATER YEAR WATER YEARS 1971 - 2000

ANNUAL TOTAL	28968.6	26869.4	
ANNUAL MEAN	79.4	73.4	105
HIGHEST ANNUAL MEAN			145
LOWEST ANNUAL MEAN			64.2
HIGHEST DAILY MEAN	1150	Jan 25	700
LOWEST DAILY MEAN	3.9	Nov 7	3.9
ANNUAL SEVEN-DAY MINIMUM	3.9	Nov 19	3.9
INSTANTANEOUS PEAK FLOW			786
INSTANTANEOUS PEAK STAGE			4.18
ANNUAL RUNOFF (CFSM)	1.38	1.28	1.83
ANNUAL RUNOFF (INCHES)	18.77	17.41	24.81
10 PERCENT EXCEEDS	190	179	234
50 PERCENT EXCEEDS	27	34	60
90 PERCENT EXCEEDS	8.3	8.6	11

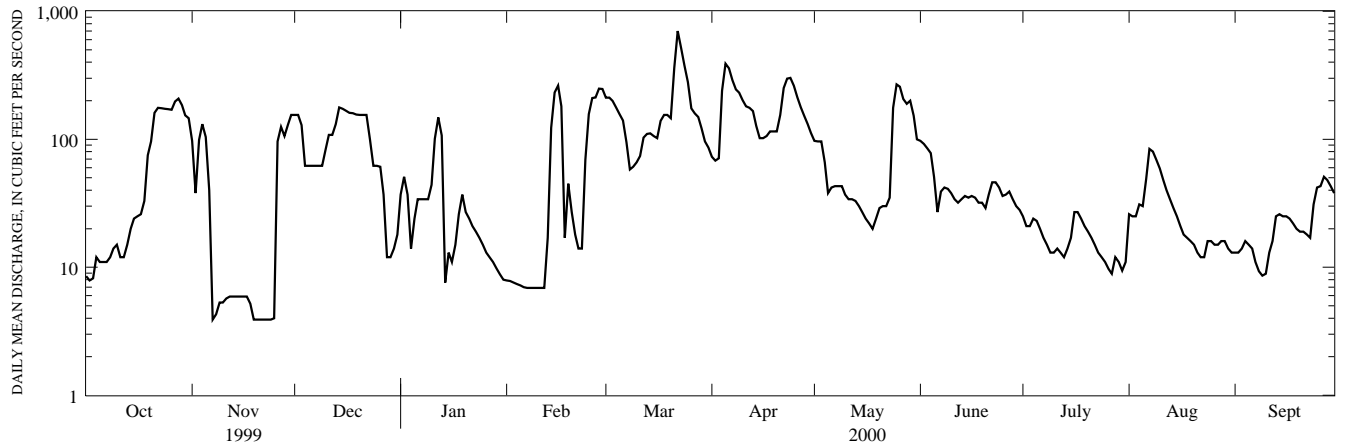
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 1970, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	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	51.8	105	142	148	210	199	243	212	74.7	75.4	63.0	66.6
(WY)	1968	1968	1969	1969	1970	1970	1970	1968	1970	1969	1969	1970
MIN	7.87	43.9	102	90.8	112	46.4	62.7	103	25.5	7.11	13.0	5.34
(WY)	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
LOWEST ANNUAL MEAN	80.7
HIGHEST DAILY MEAN	1100
LOWEST DAILY MEAN	3.0
ANNUAL SEVEN-DAY MINIMUM	3.3
INSTANTANEOUS PEAK FLOW	b1300
INSTANTANEOUS PEAK STAGE	c7.83
INSTANTANEOUS LOW FLOW	1.4
ANNUAL RUNOFF (CFSM)	1.56
ANNUAL RUNOFF (INCHES)	21.16
10 PERCENT EXCEEDS	213
50 PERCENT EXCEEDS	50
90 PERCENT EXCEEDS	8.0

- a From rating curve extended above 4,100 ft³/s on basis of computation of peak flow over dam, gage height 7.46 ft.
- b About.
- c Backwater from ice.



1-YEAR HYDROGRAPH
OCTOBER 1, 1999 TO SEPTEMBER 30, 2000