

## 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 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 sea level, from topographic map.

**REMARKS.**--No estimated daily discharges. Records good. 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 2000 TO SEPTEMBER 2001  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	24	76	39	397	65	86	52	26	33	8.0	9.5
2	28	20	77	35	319	59	53	49	44	56	8.0	8.6
3	24	18	73	35	241	54	29	45	73	51	8.0	8.5
4	20	17	64	34	190	53	33	39	83	43	8.8	8.0
5	19	15	60	31	162	54	34	36	80	42	8.8	8.0
6	30	13	54	25	144	50	55	33	72	45	8.6	8.0
7	35	12	50	22	131	46	94	27	64	42	8.6	8.0
8	32	11	48	21	119	42	122	22	54	39	8.0	8.0
9	26	11	44	21	139	40	144	22	45	35	8.0	8.0
10	25	23	37	35	280	39	195	21	37	31	9.2	8.0
11	26	54	36	20	306	36	216	20	32	27	8.6	8.0
12	24	66	87	14	243	35	234	20	28	23	8.6	8.0
13	21	64	107	13	194	94	215	20	25	19	8.6	8.0
14	19	61	123	12	175	227	180	19	23	17	8.6	8.5
15	17	60	127	12	296	267	165	18	20	16	8.6	8.0
16	17	53	127	14	342	248	355	17	18	14	9.1	8.0
17	19	47	203	16	376	278	402	16	17	13	11	8.0
18	280	39	268	17	308	289	345	16	15	13	9.2	8.0
19	321	34	241	25	236	277	284	15	14	12	9.4	8.0
20	226	30	202	39	193	243	238	14	14	11	9.3	11
21	171	26	169	49	170	207	220	19	14	9.3	9.2	8.6
22	137	22	144	50	143	201	197	25	14	8.6	9.2	8.4
23	109	19	121	50	122	185	175	40	23	8.6	9.4	8.0
24	89	17	105	50	104	165	158	41	24	8.6	10	11
25	74	17	92	49	92	147	128	39	22	8.2	9.7	12
26	61	19	81	46	88	131	77	39	20	8.6	9.2	9.2
27	52	31	73	42	82	114	55	37	18	8.0	10	8.6
28	51	44	70	41	74	102	56	35	16	8.0	12	8.6
29	42	51	67	38	---	94	56	32	15	8.0	8.8	8.6
30	34	67	61	71	---	90	54	28	13	8.0	8.1	8.2
31	28	---	54	328	---	89	---	26	---	8.0	11	---
TOTAL	2089	985	3141	1294	5666	4021	4655	882	963	673.9	281.6	257.3
MEAN	67.4	32.8	101	41.7	202	130	155	28.5	32.1	21.7	9.08	8.58
MAX	321	67	268	328	397	289	402	52	83	56	12	12
MIN	17	11	36	12	74	35	29	14	13	8.0	8.0	8.0
CFSM	1.17	.57	1.77	.73	3.53	2.26	2.70	.50	.56	.38	.16	.15
IN.	1.35	.64	2.04	.84	3.67	2.61	3.02	.57	.62	.44	.18	.17

KISKIMINETAS RIVER BASIN

03042280 YELLOW CREEK NEAR HOMER CITY, PA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2001, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	54.5	96.9	135	123	164	202	158	115	72.3	60.7	29.2	37.1
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	28.5	12.1	5.95	5.46	8.16
(WY)	1992	1999	1999	2000	1993	1990	1997	2001	1999	1971	1971	1991

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1971 - 2001

ANNUAL TOTAL	26427.3			24908.8			104											
ANNUAL MEAN	72.2			68.2			64.2											
HIGHEST ANNUAL MEAN							145											
LOWEST ANNUAL MEAN							1978											
HIGHEST DAILY MEAN	700			Mar 22			402			Apr 17			7630			Jul 20 1977		
LOWEST DAILY MEAN	6.9			Feb 7 <sup>a</sup>			8.0			Jul 27 <sup>b</sup>			3.4			Jul 8 1971		
ANNUAL SEVEN-DAY MINIMUM	c6.9			Feb 6			8.0			Jul 27			3.6			Jul 22 1971		
MAXIMUM PEAK FLOW							423			Jan 31 <sup>d</sup>			f15000			Jul 20 1977		
MAXIMUM PEAK STAGE							3.37			Jan 31			12.60			Jul 20 1977		
ANNUAL RUNOFF (CFSM)	1.26						1.19						1.81					
ANNUAL RUNOFF (INCHES)	17.13						16.14						24.54					
10 PERCENT EXCEEDS	199						201						234					
50 PERCENT EXCEEDS	36						35						58					
90 PERCENT EXCEEDS	12						8.6						11					

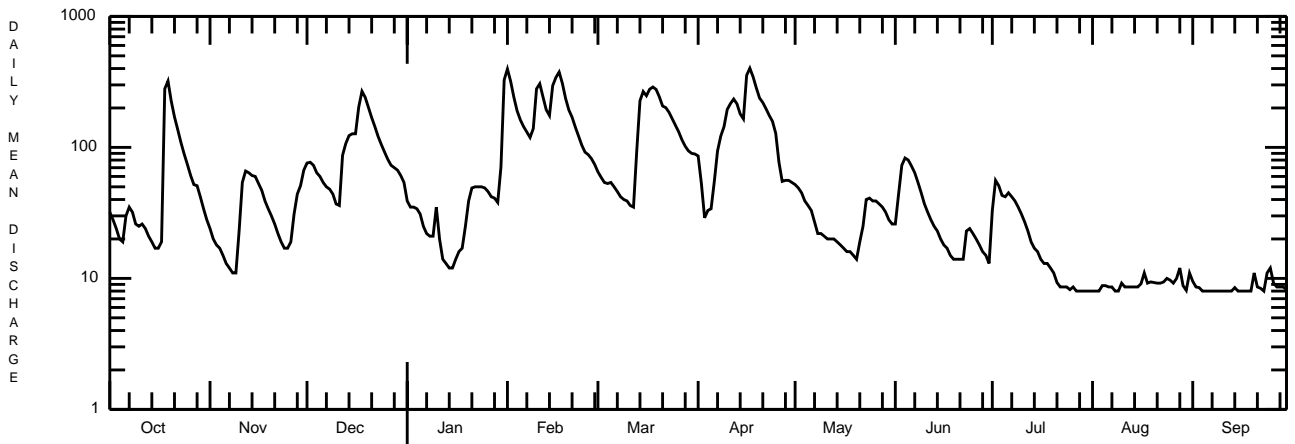
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 1970, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	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						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	g1300			Jan 30 1968								
MAXIMUM PEAK STAGE	h7.83			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 Also Feb. 8-12 (estimated).
- b Also July 28 to Aug. 3, 8, 9, Sept. 4-13, 15-17.
- c Computed using estimated daily discharges.
- d Also Feb. 1.
- f 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.
- g About.
- h Backwater from ice.



OCTOBER 1, 2000 TO SEPTEMBER 30, 2001