

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 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 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 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	9.2	15	e30	135	58	199	193	80	39	9.9	8.0
2	11	9.3	12	e27	141	55	177	264	75	39	9.9	8.0
3	11	10	11	e24	135	73	158	325	63	47	9.9	8.0
4	11	9.9	11	e24	126	94	141	266	52	41	9.9	8.0
5	11	9.9	10	e22	112	96	124	209	46	41	15	8.0
6	12	9.9	9.9	20	99	96	110	174	223	36	14	8.0
7	12	9.9	9.9	e19	89	95	98	151	579	30	14	8.0
8	13	9.9	10	e18	82	87	89	136	450	25	13	8.0
9	13	9.9	13	e18	74	79	79	204	342	23	12	8.0
10	14	9.9	17	e17	70	67	73	307	180	24	11	8.0
11	15	9.9	18	56	120	61	66	262	53	23	10	8.0
12	10	9.9	20	92	144	54	57	218	56	20	9.9	8.0
13	9.2	9.9	24	103	144	50	53	370	63	18	9.9	8.0
14	9.7	9.9	25	101	133	45	58	756	1010	16	9.2	8.0
15	9.7	9.9	30	97	121	42	82	599	1230	15	9.2	8.2
16	9.4	9.9	32	91	109	353	336	430	648	13	9.2	7.6
17	9.7	9.9	78	84	99	406	382	334	430	12	9.2	7.4
18	9.2	9.4	298	77	88	387	294	523	248	12	9.7	7.4
19	9.2	9.4	318	69	77	328	220	545	150	11	9.7	8.3
20	9.2	11	243	64	70	361	179	426	122	11	9.6	7.4
21	11	9.9	187	58	79	490	155	347	82	11	9.2	7.4
22	8.8	9.6	148	54	81	392	143	281	56	11	9.5	7.4
23	8.8	9.2	123	50	80	295	131	158	51	10	10	7.4
24	12	9.2	118	73	75	230	115	75	50	11	10	6.9
25	9.4	17	105	120	69	193	105	80	59	11	12	6.9
26	9.2	12	92	132	66	313	99	80	48	10	13	7.3
27	9.2	11	81	128	66	685	89	74	46	9.9	12	14
28	9.2	12	71	118	64	482	113	68	54	9.9	11	9.6
29	9.2	15	62	109	---	344	176	69	55	9.9	10	7.9
30	9.2	16	53	109	---	277	190	62	47	9.9	8.6	7.4
31	9.2	---	e41	126	---	224	---	57	---	9.9	8.0	---
TOTAL	324.5	317.8	2285.8	2130	2748	6812	4291	8043	6648	609.5	327.5	240.5
MEAN	10.5	10.6	73.7	68.7	98.1	220	143	259	222	19.7	10.6	8.02
MAX	15	17	318	132	144	685	382	756	1230	47	15	14
MIN	8.8	9.2	9.9	17	64	42	53	57	46	9.9	8.0	6.9
CFSM	0.18	0.18	1.28	1.20	1.71	3.83	2.49	4.52	3.86	0.34	0.18	0.14
IN.	0.21	0.21	1.48	1.38	1.78	4.41	2.78	5.21	4.31	0.40	0.21	0.16

e Estimated.

KISKIMINETAS RIVER BASIN

03042280 YELLOW CREEK NEAR HOMER CITY, PA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2002, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	53.2	94.2	133	121	162	202	158	119	77.0	59.4	28.6	36.2
MAX (WY)	186	303	254	314	374	447	246	358	324	443	90.3	163
MIN (WY)	1978	1998	1973	1996	1981	1994	1987	1978	1972	1977	1980	1996
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
MIN (WY)	1992	1999	1999	2000	1993	1990	1997	2001	1999	1971	1971	2002

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1971 - 2002	
ANNUAL TOTAL	21621.9		34777.6			
ANNUAL MEAN	59.2		95.3		103	
HIGHEST ANNUAL MEAN					145	
LOWEST ANNUAL MEAN					64.2	
HIGHEST DAILY MEAN	402		Apr 17		1230	
LOWEST DAILY MEAN	8.0		Jul 27 ^a		6.9	
ANNUAL SEVEN-DAY MINIMUM	8.0		Jul 27		7.2	
MAXIMUM PEAK FLOW			2010		Jun 14	
MAXIMUM PEAK STAGE			5.80		Jun 14	
ANNUAL RUNOFF (CFSM)	1.03		1.66		1.80	
ANNUAL RUNOFF (INCHES)	14.01		22.54		24.47	
10 PERCENT EXCEEDS	193		279		234	
50 PERCENT EXCEEDS	20		46		58	
90 PERCENT EXCEEDS	8.6		9.2		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
MIN (WY)	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
MIN (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
MAXIMUM PEAK FLOW	c1300
MAXIMUM PEAK STAGE	d7.83
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 Also July 28 to Aug. 3, 8, 9, Sept. 4-13, 15-19, 23.
- b From rating curve extended above 4,100 ft³/s on basis of computation of peak flow over dam, gage height 7.46 ft.
- c About.
- d Backwater from ice.

