

STATION RECORDS FOR

GAGING STATIONS

IN THE

STATE OF INDIANA

GREAT MIAMI RIVER BASIN

03274650 WHITEWATER RIVER NEAR ECONOMY, IN

LOCATION.--Lat 40°00'05", long 85°06'56", in NW¹/₄NE¹/₄ sec.19, T.18 N., R.13 E., Wayne County, Hydrologic Unit 05080003, (CARLOS, IN quadrangle), on right bank 15 ft downstream from bridge on Wayne County Line Road, 1.7 mi upstream from Little Creek, 2.4 mi northwest of Economy, and at mile 91.9.

DRAINAGE AREA.--10.4 mi².

PERIOD OF RECORD.--October 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,066.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except for daily discharges below 1.0 ft³/s, which are poor.

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	2.6	9.3	37	5.7	137	7.9	21	18	5.4	2.9	0.93	0.70
2	2.4	10	26	5.3	31	13	26	18	4.8	2.8	0.94	0.75
3	2.2	11	21	5.2	24	41	66	15	4.7	2.7	0.84	0.61
4	2.1	9.0	18	5.1	19	18	25	13	4.4	2.6	0.85	0.51
5	6.1	7.9	13	5.1	14	11	20	13	8.2	2.5	0.99	0.47
6	24	7.0	10	5.2	11	10	16	13	8.4	2.5	0.90	0.45
7	11	6.8	8.5	4.9	9.6	9.5	16	72	6.5	2.5	0.78	0.41
8	6.8	6.4	7.7	4.8	8.9	8.8	13	49	5.4	2.5	0.72	0.40
9	5.3	5.9	6.7	5.0	8.2	43	65	32	4.8	2.9	0.71	0.35
10	4.5	6.0	6.1	5.1	8.6	29	26	23	4.6	6.0	0.70	0.33
11	11	6.1	5.9	5.0	10	17	18	18	4.3	3.1	0.68	0.32
12	108	5.1	5.9	5.0	9.7	13	87	97	4.1	2.5	0.66	0.31
13	33	4.9	11	4.8	8.3	12	98	223	4.0	2.2	0.63	0.32
14	161	5.0	47	4.7	7.8	10	155	62	3.9	2.1	0.77	0.36
15	53	4.6	31	4.6	7.8	13	53	31	3.6	1.9	0.70	0.39
16	80	4.5	26	4.4	7.3	47	32	24	3.4	1.7	0.64	0.35
17	57	4.4	198	4.4	6.7	20	26	20	3.2	1.7	0.67	0.32
18	32	4.4	75	4.3	6.1	14	23	17	3.0	1.7	0.63	0.42
19	26	4.5	34	4.3	6.5	12	31	13	2.9	1.7	1.1	0.40
20	21	4.3	25	4.0	8.7	14	22	9.7	2.8	1.7	0.97	0.79
21	18	4.1	20	4.1	10	13	60	8.1	3.0	1.5	0.73	0.59
22	14	4.0	18	3.8	8.9	11	35	7.4	2.9	1.4	0.67	0.48
23	31	3.8	16	4.1	8.1	10	24	7.0	2.7	1.4	1.0	0.41
24	159	4.2	12	5.9	7.8	9.3	18	6.6	2.7	1.3	1.0	0.39
25	106	12	9.6	5.6	7.2	15	17	6.7	2.7	1.3	0.84	0.37
26	36	7.3	8.9	5.0	10	18	15	6.4	3.0	1.2	0.72	0.38
27	26	8.8	8.3	4.6	9.7	37	28	5.9	5.3	1.4	0.65	1.1
28	22	14	7.8	4.5	8.3	63	91	5.8	5.3	1.2	0.64	0.67
29	19	74	7.0	4.6	---	59	30	5.6	3.5	1.1	0.60	0.47
30	14	142	6.4	8.8	---	43	23	5.4	3.1	1.1	0.56	0.35
31	11	---	6.1	31	---	26	---	5.2	---	1.0	0.50	---
TOTAL	1105.0	401.3	732.9	178.9	420.2	667.5	1180	850.8	126.6	64.1	23.72	14.17
MEAN	35.65	13.38	23.64	5.771	15.01	21.53	39.33	27.45	4.220	2.068	0.765	0.472
MAX	161	142	198	31	137	63	155	223	8.4	6.0	1.1	1.1
MIN	2.1	3.8	5.9	3.8	6.1	7.9	13	5.2	2.7	1.0	0.50	0.31
CFSM	3.43	1.29	2.27	0.55	1.44	2.07	3.78	2.64	0.41	0.20	0.07	0.05
IN.	3.95	1.44	2.62	0.64	1.50	2.39	4.22	3.04	0.45	0.23	0.08	0.05

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

MEAN	4.510	10.59	12.54	12.96	17.78	19.44	19.22	14.19	9.313	7.014	4.227	3.018
MAX	39.9	67.0	39.7	37.7	56.0	41.6	46.0	58.4	24.8	27.5	61.5	32.2
(WY)	1987	1994	1978	1996	1985	1978	1996	1996	1998	1979	1979	1989
MIN	0.14	0.097	0.19	0.33	3.31	2.58	2.96	1.47	1.03	0.57	0.40	0.15
(WY)	2000	2000	2000	1977	1978	1981	1971	1988	1977	1977	1999	1999

SUMMARY STATISTICS

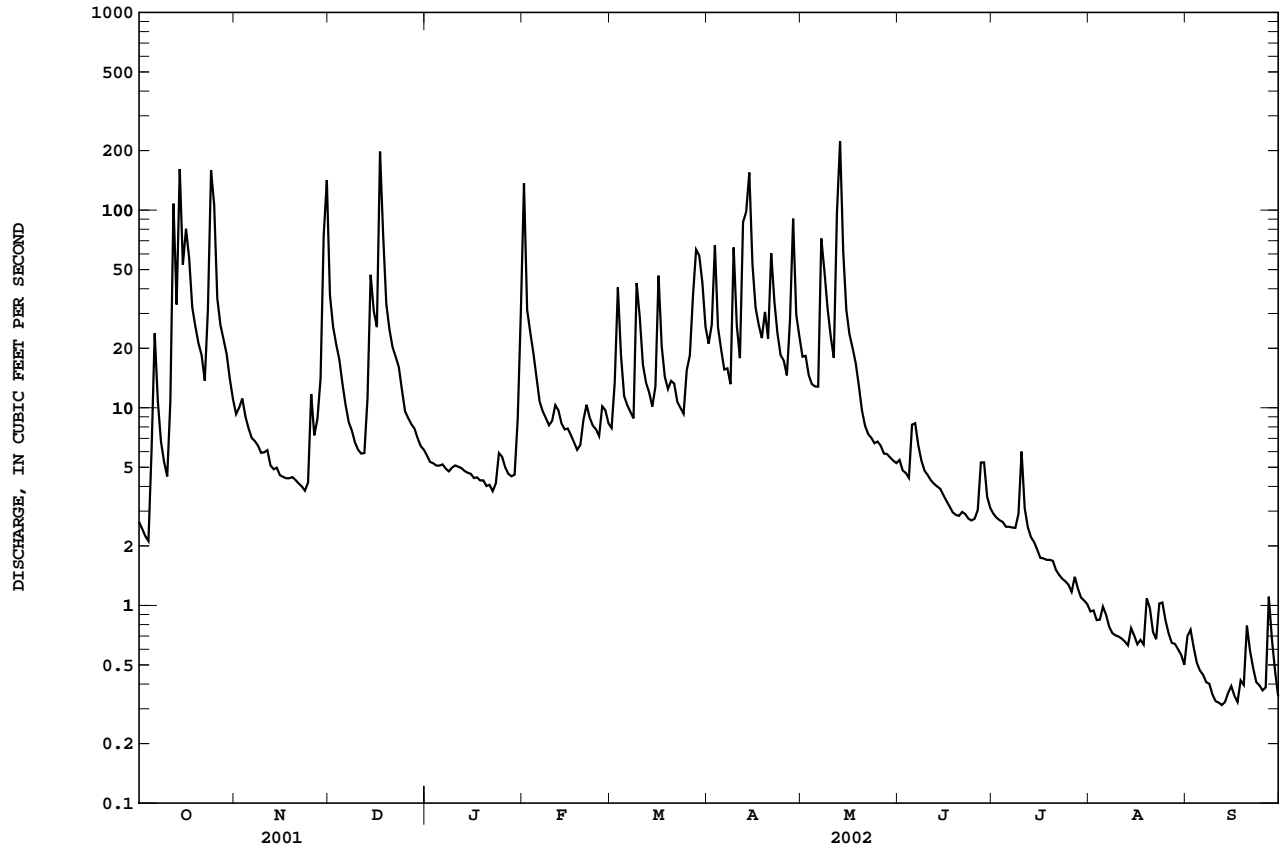
FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

WATER YEARS 1971 - 2002

ANNUAL TOTAL	5653.8	5765.19		
ANNUAL MEAN	15.49	15.80	11.19	
HIGHEST ANNUAL MEAN			18.8	1979
LOWEST ANNUAL MEAN			3.26	1977
HIGHEST DAILY MEAN	278	Apr 11	647	Nov 14 1993
LOWEST DAILY MEAN	1.4	Sep 6	0.00	Feb 3 2000
ANNUAL SEVEN-DAY MINIMUM	1.7	Sep 2	0.00	Feb 3 2000
MAXIMUM PEAK FLOW			506	May 12
MAXIMUM PEAK STAGE			7.08	May 12
ANNUAL RUNOFF (CFSM)	1.49		8.91	Nov 14 1993
ANNUAL RUNOFF (INCHES)	20.22		1.52	1.08
10 PERCENT EXCEEDS	32		20.62	14.62
50 PERCENT EXCEEDS	6.8		34	25
90 PERCENT EXCEEDS	2.1		6.4	4.0
			0.67	0.71

03274650 WHITEWATER RIVER NEAR ECONOMY, IN--Continued



GREAT MIAMI RIVER BASIN

03274750 WHITEWATER RIVER NEAR HAGERSTOWN, IN

LOCATION.--Lat 39°52'25", long 85°09'47", in NE¹/₄NE¹/₄ sec.3, T.16 N., R.12 E., Wayne County, Hydrologic Unit 05080003, (CAMBRIDGE CITY, IN quadrangle), on right bank at upstream side of bridge on Jerry Meyers Road, 1.0 mi upstream from Pronghorn Run, 1.5 mi north of Interstate 70, 2.0 mi downstream from Nettle Creek, 2.6 mi south of Hagerstown, and at mile 84.9.

DRAINAGE AREA.--58.7 mi².

PERIOD OF RECORD.--October 1970 to current year.

REVISED RECORDS.--WDR IN-01-1: 1997-2000 (P).

GAGE.--Water-stage recorder. Datum of gage is 950.00 ft above National Geodetic Vertical Datum of 1929 (Indiana Flood Control and Water Resources Commission bench mark).

REMARKS.--Records fair except for estimated daily discharges, which are poor.

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	35	e72	210	e55	612	50	111	e130	e74	42	e21	14
2	33	e75	137	e54	160	64	103	e270	e71	40	e21	14
3	33	e74	112	e52	114	234	276	e140	e68	38	e20	14
4	33	e64	96	e51	91	92	136	e110	e68	37	e20	14
5	38	e56	84	e50	76	74	111	e97	e100	36	e25	13
6	71	e54	e72	e49	68	68	98	e102	e85	35	e22	13
7	53	e56	e68	e48	64	63	90	e470	e74	34	e21	13
8	45	e50	e65	e47	59	58	88	e370	e68	33	e21	12
9	41	e45	e63	e47	56	222	362	e235	e65	37	e20	12
10	41	e47	e61	e48	59	169	e160	e160	e63	46	e20	11
11	50	e50	e59	48	62	e90	e120	e140	e60	37	e19	11
12	378	e48	e60	47	59	e78	e490	e490	e58	34	e18	11
13	128	e45	e76	46	55	e70	755	e2000	e56	33	e18	11
14	698	e44	e240	45	52	e66	976	e460	e54	32	e20	11
15	250	e46	e170	44	51	e70	362	e260	e53	31	19	14
16	309	45	e130	43	50	e250	e210	e210	e52	30	18	12
17	243	44	1190	43	48	e110	e170	e200	e51	30	18	12
18	e140	43	485	42	46	e86	e140	e160	e49	e29	18	12
19	e108	43	e200	42	47	e74	e146	e130	e48	e28	21	13
20	e92	43	e140	41	53	e82	e120	e120	e47	e27	19	17
21	e80	42	e110	40	60	e80	e250	e110	e49	e26	18	16
22	e75	41	e100	39	52	e70	e180	e100	e50	e25	17	14
23	e196	40	e96	40	51	e64	e130	e96	e48	e24	21	14
24	666	42	e90	44	49	e61	e120	e92	e47	e23	21	14
25	624	62	e84	44	46	170	121	e89	e47	e23	19	14
26	e195	51	e80	41	56	160	100	e85	e50	e22	18	14
27	e140	63	e75	41	56	275	188	e83	64	e28	16	28
28	e114	87	e70	40	51	292	653	e81	64	e25	16	19
29	e98	404	e64	40	---	245	e190	e78	49	e24	16	17
30	e90	740	e60	46	---	205	e150	e76	45	e23	16	16
31	e80	---	e56	101	---	134	---	e76	---	e22	15	---
TOTAL	5177	2616	4603	1458	2303	3826	7106	7220	1777	954	592	420
MEAN	167.0	87.20	148.5	47.03	82.25	123.4	236.9	232.9	59.23	30.77	19.10	14.00
MAX	698	740	1190	101	612	292	976	2000	100	46	25	28
MIN	33	40	56	39	46	50	88	76	45	22	15	11
CFSM	2.84	1.49	2.53	0.80	1.40	2.10	4.04	3.97	1.01	0.52	0.33	0.24
IN.	3.28	1.66	2.92	0.92	1.46	2.42	4.50	4.58	1.13	0.60	0.38	0.27

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

	32.31	54.09	72.07	75.40	97.16	109.5	118.0	95.96	67.80	51.42	34.54	23.86
MEAN	32.31	54.09	72.07	75.40	97.16	109.5	118.0	95.96	67.80	51.42	34.54	23.86
MAX	188	235	205	208	233	224	286	420	212	219	312	121
(WY)	1987	1994	1978	1996	1975	1973	1996	1996	1996	1979	1979	1989
MIN	6.67	7.26	6.58	8.48	23.0	25.6	28.0	23.0	14.6	8.18	8.56	6.93
(WY)	2000	2000	2000	1977	1995	1981	1971	1988	1977	1977	1988	1999

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

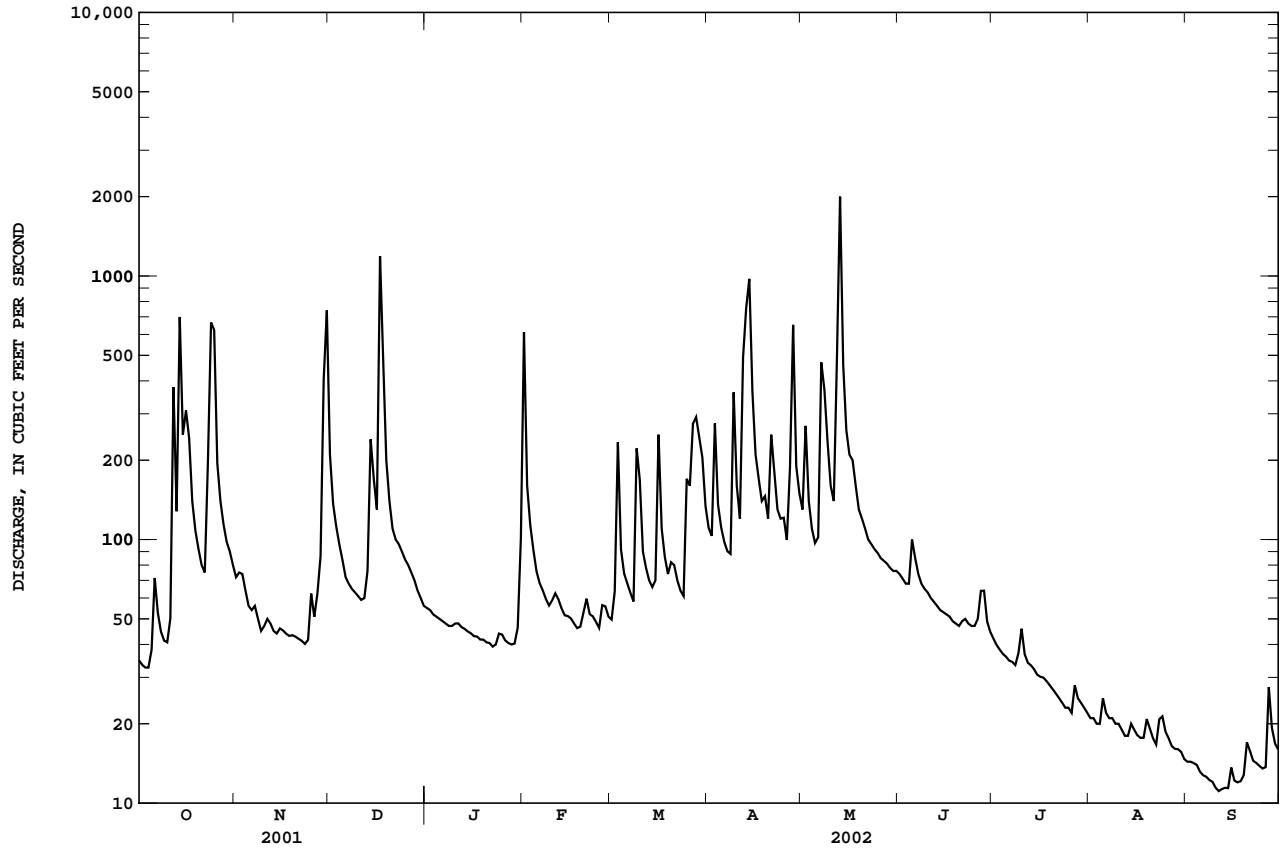
FOR 2002 WATER YEAR

WATER YEARS 1971 - 2002

ANNUAL TOTAL	30764	38052										
ANNUAL MEAN	84.28	104.3								69.17		
HIGHEST ANNUAL MEAN										121		1996
LOWEST ANNUAL MEAN										25.4		1977
HIGHEST DAILY MEAN	1540	Apr 11	2000	May 13					2000	May 13	2002	
LOWEST DAILY MEAN	19	Sep 5	11	Sep 10					3.9	Dec 11	1999	
ANNUAL SEVEN-DAY MINIMUM	20	Sep 2	11	Sep 8					4.3	Nov 28	1999	
MAXIMUM PEAK FLOW			2640	May 13					3210	Apr 11	2001	
MAXIMUM PEAK STAGE			10.43	May 13					11.52	Nov 14	1993	
ANNUAL RUNOFF (CFSM)	1.44		1.78						1.18			
ANNUAL RUNOFF (INCHES)	19.50		24.11						16.01			
10 PERCENT EXCEEDS	140		210						128			
50 PERCENT EXCEEDS	45		56						37			
90 PERCENT EXCEEDS	27		18						14			

e Estimated

03274750 WHITEWATER RIVER NEAR HAGERSTOWN, IN--Continued



GREAT MIAMI RIVER BASIN

03275000 WHITEWATER RIVER NEAR ALPINE, IN

(Former National stream-quality accounting network station)

LOCATION.--Lat 39°34'46", long 85°09'29", in SW¹/₄NE¹/₄ sec.14, T.13 N., R.12 E., Fayette County, Hydrologic Unit 05080003, (ALPINE, IN quadrangle), on right bank at Nulltown, 400 ft upstream from Wilson Creek, 0.4 mi upstream from bridge on County Road 480 South, 2.0 mi northeast of Alpine, 5.1 mi upstream from Bear Creek, and at mile 54.8.

DRAINAGE AREA.--522 mi².

PERIOD OF RECORD.--October 1928 to current year. Prior to October 1936, published as West Fork Whitewater River near Alpine.

REVISED RECORDS.--WSP 1143: 1943-44(M), 1947 (M). WSP 1335: 1929-30, 1932(M), 1938, 1946-47(m), 1949-50. WSP 1505: 1942(P). WSP 1908: 1937(M), 1944, 1949(M), drainage area. WDR IN-79-1: 1975 (P).

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 750.19 ft above National Geodetic Vertical Datum of 1929. Prior to Nov. 9, 1928, nonrecording gage at site .5 mi downstream and same datum. Oct. 1, 1982 to June 30, 1993, at same site and datum. July 1, 1993 to Oct. 22, 1998 gage at site .5 mi downstream and at same datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

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	236	625	2860	601	4500	529	1280	1510	1200	463	198	135
2	226	604	1590	565	2610	552	1110	1930	815	440	194	134
3	218	594	1140	560	1550	1420	1990	1600	717	423	190	135
4	209	560	935	e540	1200	1080	1590	1250	674	411	184	131
5	219	522	788	511	964	829	1200	1110	787	384	182	127
6	317	492	721	518	853	733	1040	1090	1640	357	181	123
7	431	471	683	507	792	680	950	5520	1160	341	175	122
8	332	452	625	477	746	641	899	5500	853	326	172	119
9	286	434	578	468	695	749	3200	3300	752	323	167	118
10	263	418	531	480	672	2060	2610	1930	701	352	164	115
11	280	406	502	469	689	1110	1590	1450	663	357	163	116
12	1840	385	490	451	709	915	1520	2000	658	320	166	114
13	1770	371	700	440	670	824	9700	14300	685	307	188	114
14	3500	361	1300	432	620	761	9230	11900	1110	297	176	114
15	4040	355	2260	422	606	736	7760	3180	797	288	176	128
16	1920	345	1300	410	592	1510	2870	2170	704	281	167	126
17	2500	337	9220	398	564	1310	2050	1800	649	274	161	122
18	1450	329	10600	385	546	983	1660	1580	612	270	162	120
19	1040	333	3250	383	532	836	1460	1350	583	267	163	131
20	839	328	2080	372	561	862	1470	1210	557	271	163	132
21	691	315	1610	371	587	903	2480	1090	534	256	158	136
22	594	306	1360	359	577	815	2490	997	514	242	152	132
23	582	301	1300	359	546	757	1620	917	502	237	163	131
24	4800	306	1180	389	526	720	1370	863	487	232	195	129
25	6070	381	1030	400	515	1620	1610	944	474	222	176	128
26	2330	372	946	384	552	2890	1290	1040	545	216	164	130
27	1420	469	878	366	571	2280	1250	876	569	222	154	e230
28	1060	660	831	359	540	3000	7640	837	733	235	148	e180
29	866	3000	764	365	---	2520	3130	798	572	217	147	e170
30	753	5650	683	430	---	2410	1880	762	491	212	143	e160
31	679	---	645	696	---	1640	---	827	---	204	138	---
TOTAL	41761	20482	53380	13867	25085	38675	79939	75631	21738	9247	5230	4002
MEAN	1347	682.7	1722	447.3	895.9	1248	2665	2440	724.6	298.3	168.7	133.4
MAX	6070	5650	10600	696	4500	3000	9700	14300	1640	463	198	230
MIN	209	301	490	359	515	529	899	762	474	204	138	114
CFSM	2.58	1.31	3.30	0.86	1.72	2.39	5.10	4.67	1.39	0.57	0.32	0.26
IN.	2.98	1.46	3.80	0.99	1.79	2.76	5.70	5.39	1.55	0.66	0.37	0.29

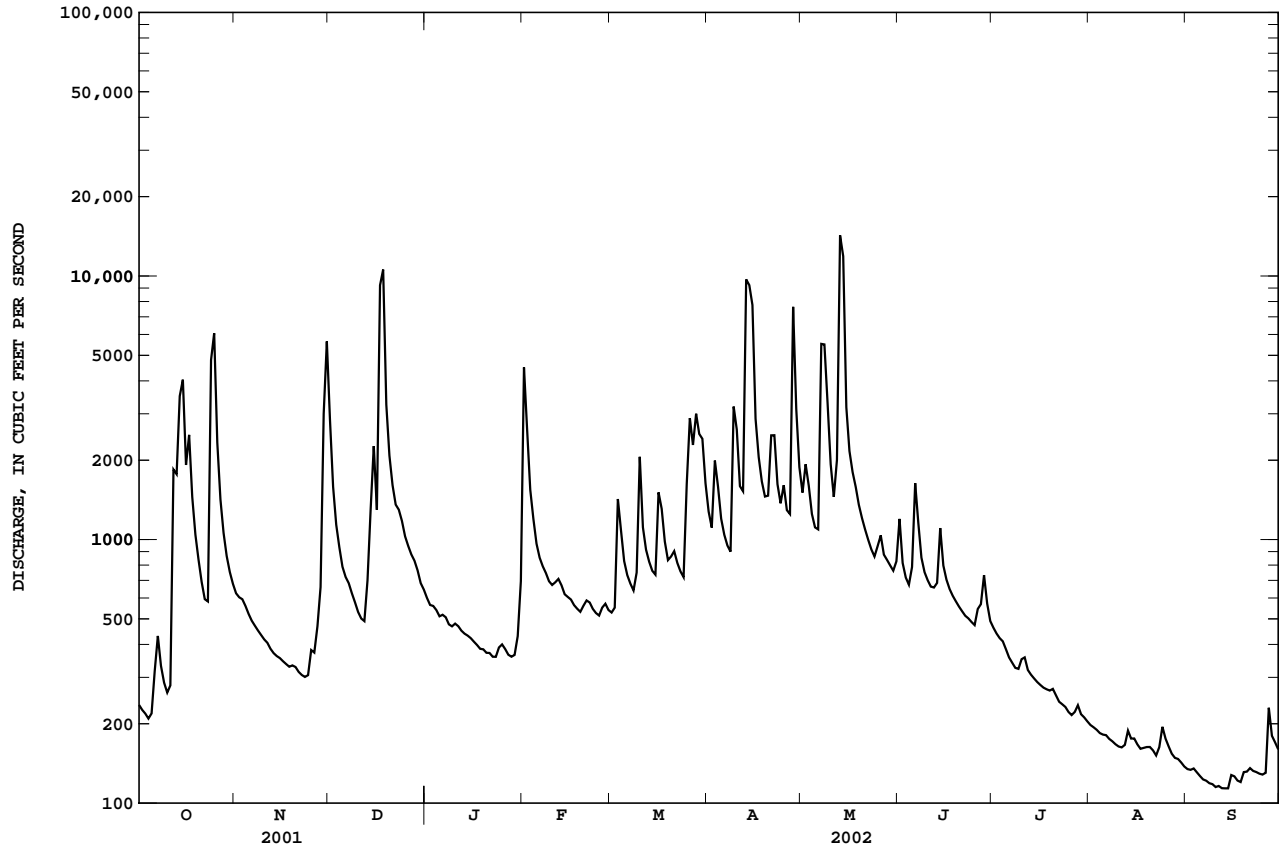
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2002, BY WATER YEAR (WY)

	203.2	351.4	558.6	813.3	863.5	994.9	1017	789.1	552.1	368.5	239.0	175.1
MEAN	203.2	351.4	558.6	813.3	863.5	994.9	1017	789.1	552.1	368.5	239.0	175.1
MAX	1685	1978	2531	4409	2639	2522	2665	3763	2609	1777	2342	920
(WY)	1987	1994	1991	1937	1950	1963	2002	1996	1998	1979	1979	1989
MIN	47.1	49.8	50.6	58.9	56.9	120	122	70.0	68.9	61.1	61.3	50.3
(WY)	1935	1935	1935	1935	1935	1935	1941	1941	1934	1934	1988	1934

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1929 - 2002	
ANNUAL TOTAL	271072		389037			
ANNUAL MEAN	742.7		1066		575.5	
HIGHEST ANNUAL MEAN					1066	
LOWEST ANNUAL MEAN					117	
HIGHEST DAILY MEAN	10600		14300		26300	
LOWEST DAILY MEAN	185		114		30	
ANNUAL SEVEN-DAY MINIMUM	207		116		33	
MAXIMUM PEAK FLOW			17900		37100	
MAXIMUM PEAK STAGE			18.69		19.70	
ANNUAL RUNOFF (CFSM)	1.42		2.04		1.10	
ANNUAL RUNOFF (INCHES)	19.32		27.72		14.98	
10 PERCENT EXCEEDS	1380		2210		1160	
50 PERCENT EXCEEDS	391		578		280	
90 PERCENT EXCEEDS	243		163		88	

e Estimated

03275000 WHITEWATER RIVER NEAR ALPINE, IN--Continued



GREAT MIAMI RIVER BASIN

03275600 EAST FORK WHITEWATER RIVER AT ABINGTON, IN

LOCATION.--Lat 39°43'59", long 84°57'35", in NE¹/₄SW¹/₄ sec.2, T.12 N., R.2 W., Wayne County, Hydrologic Unit 05080003, (LIBERTY, IN quadrangle), 15 ft downstream of bridge on county road at Abington, 3 mi downstream from Elkhorn Creek, 8 mi southwest of Richmond, and at mile 26.7.

DRAINAGE AREA.--200 mi².

PERIOD OF RECORD.--October 1965 to current year.

REVISED RECORDS.--WSP 2108: Drainage area. WDR IN-90-1: 1966(M), 1967-75(P), 1976-77(M), 1978-79(P), 1982(P), 1987(P), 1989(P).

GAGE.--Water-stage recorder. Datum of gage is 791.00 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 2, 1991 at site 250 ft downstream at same datum.

REMARKS.--Records good except for estimated daily discharges, which are poor.

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	101	198	660	181	2150	117	421	444	515	129	44	22
2	97	197	335	173	788	162	361	1040	373	119	39	32
3	90	190	271	171	470	543	920	600	316	111	38	25
4	85	178	240	163	352	309	550	417	288	105	38	21
5	107	169	218	162	e262	235	409	345	491	98	38	21
6	223	159	214	167	e232	206	352	343	1460	88	38	19
7	182	155	210	165	218	184	311	1260	688	82	35	19
8	141	152	196	153	202	169	289	1240	444	77	32	18
9	122	148	183	155	184	323	954	837	349	77	30	17
10	112	144	171	165	189	490	692	523	299	91	29	17
11	129	142	166	164	201	293	439	405	267	75	27	15
12	814	136	163	154	189	253	1150	775	250	68	31	15
13	443	131	238	153	171	229	5430	6880	279	66	31	15
14	1620	129	621	145	154	206	5370	2710	551	66	33	14
15	1020	129	605	143	153	195	2400	1010	384	63	40	38
16	513	124	328	134	149	793	981	738	286	57	36	27
17	639	116	5070	130	142	448	720	622	236	54	33	21
18	339	113	3160	127	128	326	580	566	214	55	30	19
19	269	116	999	125	129	269	515	483	195	57	28	22
20	227	116	638	120	148	317	469	437	181	54	30	35
21	200	108	480	121	141	318	616	403	168	49	27	25
22	184	104	405	116	127	253	686	375	158	46	25	24
23	358	101	439	116	118	229	492	357	153	45	25	24
24	3110	106	379	145	116	213	441	366	143	45	102	21
25	2070	159	e315	146	114	699	511	432	140	41	41	19
26	580	132	e280	133	144	1330	402	443	162	39	33	20
27	337	183	e261	126	132	1200	487	355	197	102	29	247
28	275	266	e244	122	117	1230	3160	440	226	64	28	87
29	243	1070	e219	123	---	890	906	399	163	55	27	47
30	222	1760	204	164	---	897	558	388	138	61	26	38
31	208	---	198	427	---	537	---	358	---	49	23	---
TOTAL	15060	6931	18110	4789	7620	13863	31572	25991	9714	2188	1066	984
MEAN	485.8	231.0	584.2	154.5	272.1	447.2	1052	838.4	323.8	70.58	34.39	32.80
MAX	3110	1760	5070	427	2150	1330	5430	6880	1460	129	102	247
MIN	85	101	163	116	114	117	289	343	138	39	23	14
CFSM	2.43	1.16	2.92	0.77	1.36	2.24	5.26	4.19	1.62	0.35	0.17	0.16
IN.	2.80	1.29	3.37	0.89	1.42	2.58	5.87	4.83	1.81	0.41	0.20	0.18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2002, BY WATER YEAR (WY)

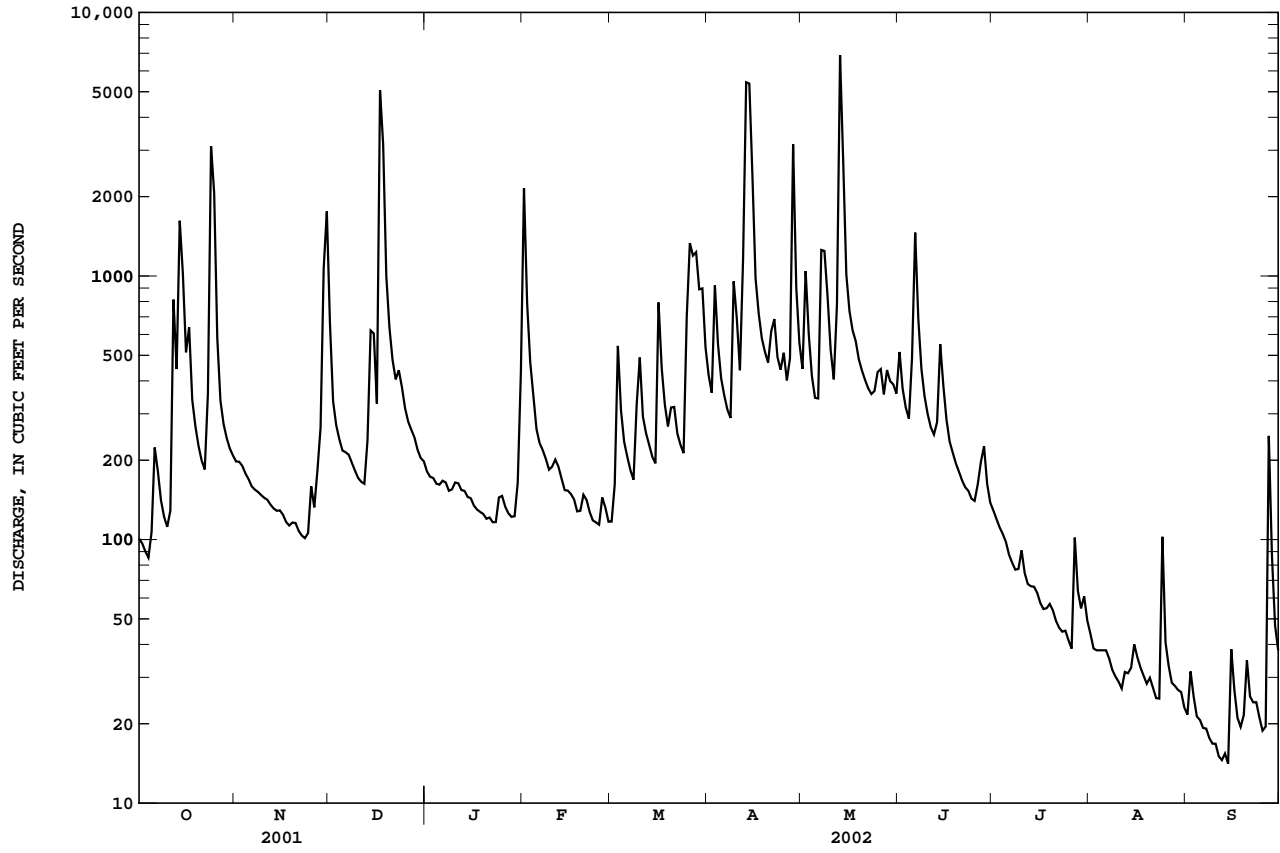
MEAN	86.99	165.4	277.4	269.5	313.9	363.7	402.5	347.5	203.3	158.0	103.0	56.58
MAX	615	732	929	708	901	884	1052	1049	789	773	773	242
(WY)	1987	1994	1991	1969	1975	1978	2002	1968	1998	1979	1979	1979
MIN	18.8	25.5	26.5	21.3	83.8	111	88.7	55.9	24.6	22.9	18.6	12.9
(WY)	2000	2000	1977	1977	1992	1992	1976	1976	1988	1988	1988	1999

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1966 - 2002

ANNUAL TOTAL	95940	137888										
ANNUAL MEAN	262.8	377.8								228.6		
HIGHEST ANNUAL MEAN										388		1979
LOWEST ANNUAL MEAN										92.3		1977
HIGHEST DAILY MEAN	5070	Dec 17				6880	May 13		10100	Jan 22		1999
LOWEST DAILY MEAN	51	Aug 15				14	Sep 14		10	Sep 17		1999
ANNUAL SEVEN-DAY MINIMUM	53	Aug 12				16	Sep 8		11	Sep 22		1999
MAXIMUM PEAK FLOW						8600	May 13		20000	Jul 20		1969
MAXIMUM PEAK STAGE						13.02	May 13		16.18	Jul 20		1969
ANNUAL RUNOFF (CFSM)	1.31					1.89			1.14			
ANNUAL RUNOFF (INCHES)	17.84					25.65			15.53			
10 PERCENT EXCEEDS	400					753			450			
50 PERCENT EXCEEDS	143					181			113			
90 PERCENT EXCEEDS	72					30			33			

e Estimated

03275600 EAST FORK WHITEWATER RIVER AT ABINGTON, IN--Continued



03276000 EAST FORK WHITEWATER RIVER AT BROOKVILLE, IN

LOCATION.--Lat 39°26'02", long 85°00'12", in NE¹/₄NE¹/₄ sec.20, T.9 N., R.2 W., Franklin County, Hydrologic Unit 05080003, (BROOKVILLE, IN quadrangle), on right bank 100 ft upstream from bridge on State Highway 101, at Brookville, 0.4 mi downstream from Brookville Lake, and 1.8 mi upstream from mouth.

DRAINAGE AREA.--380 mi².

PERIOD OF RECORD.--March 1954 to September 2001 (discharge). October 2001 to September 2002 (stage only).

REVISED RECORDS.--WSP 1555: 1954(M), 1955(P). WSP 1908: 1955, drainage area.

GAGE.--Water-stage recorder. Datum of gage is 621.76 ft above National Geodetic Vertical Datum of 1929. Prior to May 22, 1954, nonrecording gage site 100 ft downstream at datum 2.00 ft higher. May 22, 1954 to Aug. 20, 1965, water-stage recorder at site 165 ft downstream at datum 2.00 ft higher. Aug. 21, 1965 to Sept. 30, 1981, water-stage recorder at same site and datum. Data Collection Platform with water temperature probe since Nov. 5, 1986.

REMARKS.--Flow regulated by The U.S. Army Corps of Engineers from Brookville Lake since January 1974.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height 8.21 ft, May 19, 20, 2002, minimum gage height, 2.37 ft, May 7, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 8.21 ft, May 19, 20; minimum gage height, 2.37 ft, May 7.

GAGE HEIGHT, in FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.21	4.95	5.11	5.02	4.20	3.40	5.13	5.12	4.60	2.99	2.69	2.67
2	2.86	4.94	5.11	4.20	4.19	3.45	5.13	2.76	4.59	2.99	2.69	2.67
3	2.85	4.41	5.11	4.19	4.20	3.42	5.12	6.28	4.59	2.99	2.69	2.67
4	2.64	4.41	5.11	4.20	5.21	3.41	4.32	6.27	4.59	2.99	2.68	2.67
5	2.67	4.41	5.10	3.19	5.20	3.41	4.56	6.27	3.43	2.98	2.67	2.67
6	3.41	4.41	5.10	3.36	5.20	3.42	4.56	6.55	4.88	2.98	2.68	2.67
7	3.41	4.41	5.09	3.36	5.20	3.43	4.24	2.37	4.87	2.93	2.70	2.67
8	3.41	4.40	5.09	3.36	5.19	3.43	4.24	2.38	4.87	2.93	2.67	2.67
9	3.41	4.40	5.09	3.36	4.63	3.44	4.24	6.03	3.88	2.89	2.69	2.67
10	3.41	4.40	5.09	3.36	3.67	3.44	5.20	6.33	4.89	2.89	2.69	2.68
11	3.41	4.40	5.08	3.36	3.67	3.44	5.19	6.32	4.89	2.89	2.69	2.67
12	3.41	4.40	5.08	3.36	3.67	3.44	5.20	4.05	4.89	2.89	2.68	2.67
13	4.28	4.40	5.08	3.36	3.67	3.44	2.79	2.77	3.91	2.89	2.68	2.67
14	4.29	4.40	4.30	3.36	3.68	3.44	2.79	2.74	3.91	2.89	2.68	2.68
15	4.29	4.39	4.30	3.61	3.68	3.49	2.77	6.37	3.91	2.89	2.68	2.68
16	5.09	4.40	5.12	3.61	3.68	3.47	6.24	6.75	3.91	2.89	2.68	2.68
17	5.07	4.40	2.71	3.95	3.68	3.47	6.20	7.36	3.91	2.68	2.68	2.68
18	5.07	4.39	2.61	3.36	3.37	3.47	6.19	7.37	3.91	2.68	2.68	2.68
19	5.71	4.39	4.55	3.36	3.37	3.49	6.19	8.21	3.41	2.68	2.68	2.68
20	5.70	4.39	4.55	3.36	3.39	3.48	6.17	8.21	3.41	2.68	2.68	2.68
21	5.69	3.57	5.49	3.36	3.39	3.48	3.91	8.19	3.42	2.68	2.68	2.68
22	5.69	3.57	5.48	3.36	3.39	3.48	5.37	6.95	3.43	2.68	2.67	2.68
23	5.69	3.57	5.48	3.36	3.39	3.48	6.95	3.67	3.24	2.68	2.67	2.67
24	2.82	3.58	5.48	3.36	3.39	3.48	6.91	3.41	2.99	2.69	2.67	2.68
25	4.58	3.58	5.88	3.36	3.39	3.50	6.89	3.22	2.99	2.69	2.67	2.67
26	5.21	4.37	5.88	3.36	3.40	3.51	3.23	3.21	2.99	2.69	2.67	2.68
27	5.20	4.37	5.87	3.36	3.40	4.69	3.55	3.21	3.00	2.69	2.67	2.68
28	5.91	4.44	5.86	3.37	3.40	5.15	3.41	3.86	3.00	2.69	2.67	2.68
29	5.90	3.61	5.86	3.37	---	5.14	3.90	3.80	2.99	2.69	2.67	2.68
30	5.89	3.53	5.85	3.39	---	5.13	5.12	3.85	2.99	2.69	2.67	2.69
31	5.88	---	5.85	4.23	---	5.13	---	3.85	---	2.69	2.67	---
MEAN	4.39	4.24	5.08	3.55	3.92	3.71	4.86	5.09	3.88	2.81	2.68	2.68
MAX	5.91	4.95	5.88	5.02	5.21	5.15	6.95	8.21	4.89	2.99	2.70	2.69
MIN	2.64	3.53	2.61	3.19	3.37	3.40	2.77	2.37	2.99	2.68	2.67	2.67

WTR YR 2002 MEAN 3.91 MAX 8.21 MIN 2.37

03276000 EAST FORK WHITEWATER RIVER AT BROOKVILLE, IN--Continued

WATER-QUALITY RECORDS

INSTRUMENTATION.--Temperature recorder.

PERIOD OF RECORD.--

WATER TEMPERATURE.--September 1987 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 27.8°C, July 7, 1999; minimum, 1.1°C, Jan. 31, 1996.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 20.5°C, Sept. 27, minimum, 3.5°C, Jan. 23, 26, and 27.

WATER TEMPERATURE, in (DEGREES C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	19.7	19.3	19.6	13.5	12.8	13.2	11.3	11.0	11.0	6.4	6.0	6.2
2	19.7	18.5	19.1	12.8	12.8	12.8	11.0	11.0	11.0	6.0	6.0	6.0
3	19.3	18.5	18.9	12.8	12.8	12.8	11.0	11.0	11.0	6.0	5.7	6.0
4	18.9	18.1	18.6	12.8	12.8	12.8	11.0	10.6	10.7	5.7	5.7	5.7
5	18.5	18.1	18.3	12.8	12.8	12.8	10.6	10.2	10.6	5.7	5.3	5.6
6	18.5	18.1	18.3	12.8	12.8	12.8	10.6	10.2	10.4	5.3	5.3	5.3
7	18.5	18.5	18.5	12.8	12.8	12.8	10.2	10.2	10.2	5.3	4.9	5.3
8	18.5	18.1	18.2	13.1	12.8	12.9	10.2	10.2	10.2	4.9	4.6	4.8
9	18.1	18.1	18.1	13.1	12.8	13.1	10.2	10.2	10.2	4.9	4.6	4.6
10	18.1	17.7	18.1	13.1	12.8	13.0	10.2	10.2	10.2	4.6	4.6	4.6
11	18.1	18.1	18.1	13.1	12.8	12.9	10.2	10.2	10.2	4.6	4.2	4.5
12	18.1	17.7	17.9	12.8	12.8	12.8	10.2	9.9	10.1	4.6	4.2	4.6
13	18.1	16.5	17.3	12.8	12.8	12.8	9.9	9.9	9.9	4.6	4.6	4.6
14	16.9	16.5	16.8	12.8	12.4	12.5	9.9	9.9	9.9	4.6	4.2	4.6
15	16.9	16.9	16.9	12.4	12.4	12.4	9.9	9.9	9.9	4.6	4.2	4.4
16	17.3	16.9	17.1	12.4	12.1	12.2	9.9	9.5	9.6	4.2	4.2	4.2
17	17.3	16.9	17.0	12.1	12.1	12.1	9.9	9.2	9.5	4.2	4.2	4.2
18	16.9	16.9	16.9	12.1	11.7	11.9	9.9	9.2	9.6	4.2	4.2	4.2
19	16.9	16.5	16.7	11.7	11.7	11.7	9.5	9.2	9.2	4.2	3.9	4.0
20	16.5	16.1	16.5	11.7	11.7	11.7	9.2	9.2	9.2	3.9	3.9	3.9
21	16.1	15.8	16.0	11.7	11.3	11.6	9.2	9.2	9.2	3.9	3.9	3.9
22	15.8	15.4	15.6	11.7	11.3	11.3	9.2	8.8	8.9	3.9	3.9	3.9
23	15.4	15.0	15.4	11.3	11.3	11.3	8.8	8.8	8.8	3.9	3.5	3.9
24	15.8	15.0	15.2	11.3	11.3	11.3	8.8	8.5	8.5	3.9	3.9	3.9
25	15.4	14.6	15.1	11.3	11.3	11.3	8.5	8.1	8.5	3.9	3.9	3.9
26	15.0	14.6	15.0	11.3	11.3	11.3	8.1	8.1	8.1	3.9	3.5	3.9
27	15.0	15.0	15.0	11.3	11.3	11.3	8.1	7.8	7.8	3.9	3.5	3.9
28	15.0	14.6	14.7	11.3	11.3	11.3	7.8	7.4	7.5	3.9	3.9	3.9
29	14.6	14.6	14.6	11.3	11.3	11.3	7.4	7.1	7.3	3.9	3.9	3.9
30	14.6	14.3	14.5	11.3	11.3	11.3	7.1	6.7	7.0	4.2	3.9	4.1
31	14.3	13.5	14.0	---	---	---	6.7	6.4	6.6	4.2	3.9	4.1
MONTH	19.7	13.5	16.8	13.5	11.3	12.2	11.3	6.4	9.4	6.4	3.5	4.5

03276500 WHITEWATER RIVER AT BROOKVILLE, IN

(Former National stream-quality accounting network station)

LOCATION.--Lat 39°24'24", long 85°00'46", in NE¹/₄NW¹/₄ sec.32, T.9 N., R.2 W., Franklin County, Hydrologic Unit 05080003, (BROOKVILLE, IN quadrangle), on right bank at downstream side of highway bridge, 0.3 mi downstream from East Fork Whitewater River, 1.1 mi south of Brookville, and at mile 29.3.

DRAINAGE AREA.--1,224 mi².

PERIOD OF RECORD.--June 1915 to September 1917, October 1917 to May 1920 (gage heights only), and July 1923 to current year. Monthly discharge only for some periods, published in WSP 1305.

REVISED RECORDS.--WSP 1335: 1915-17, 1929, 1930(M), 1933(M), 1934, 1935(m), 1936. WSP 1505: 1916(M). WSP 1908: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 595.71 ft above National Geodetic Vertical Datum of 1929. Prior to July 1923, nonrecording gage at same site at datum 1.5 ft higher. July 1923 to Sept. 27, 1928, nonrecording gage at same site and datum.

REMARKS.--Records good. Flow partially regulated by Brookville Lake since January 1974.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 25, 1913, reached a stage of 39.0 ft, at present datum, from floodmarks (discharge not determined).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

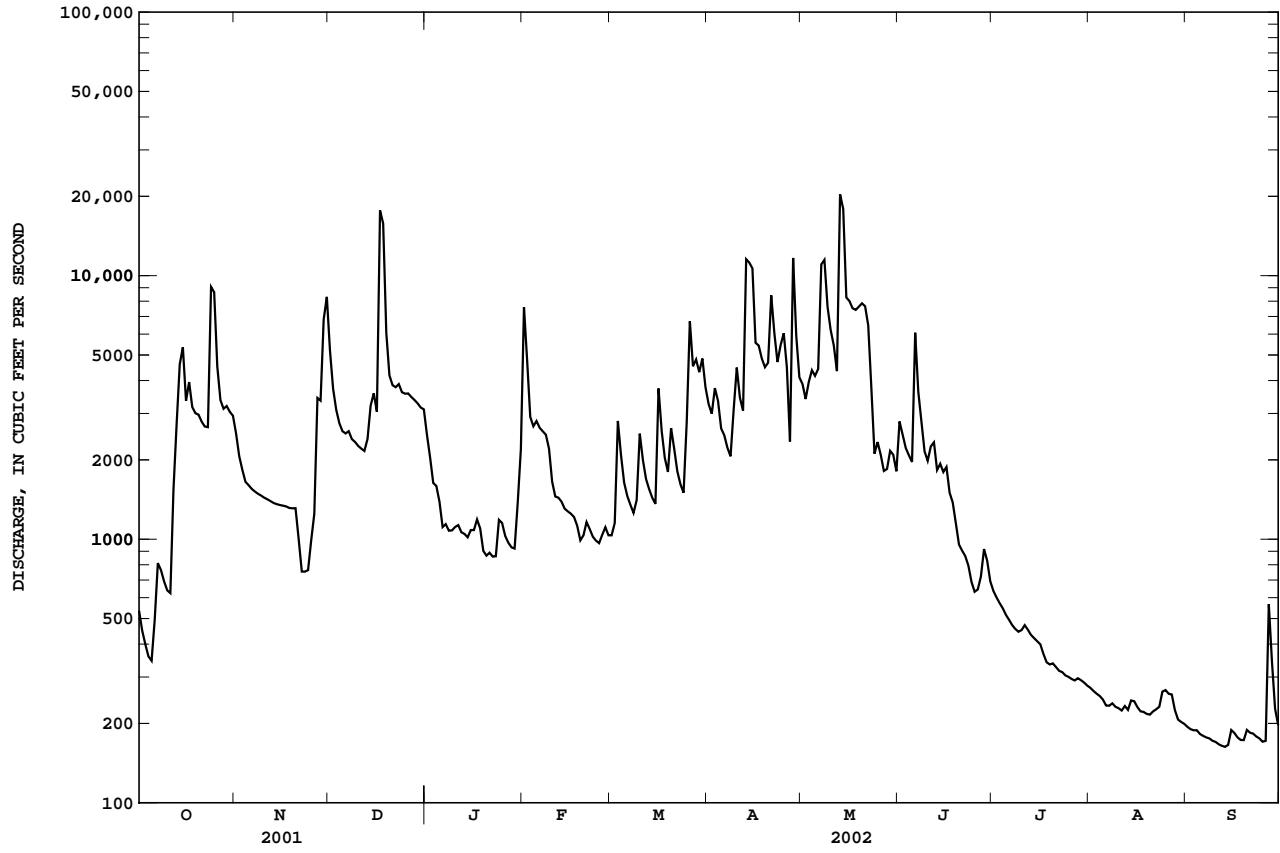
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	536	2520	5210	2490	7600	1030	3260	3880	2800	636	273	194
2	450	2070	3720	2040	4770	1150	3000	3400	2490	601	265	190
3	400	1830	3100	1630	2910	2810	3740	3950	2220	572	259	188
4	359	1650	2760	1590	2680	2080	3350	4380	2080	546	254	188
5	346	1600	2570	1390	2810	1640	2630	4170	1960	516	246	182
6	494	1550	2520	1110	2650	1460	2480	4430	6080	495	234	179
7	812	1520	2570	1140	2570	1350	2220	11000	3620	472	233	177
8	764	1490	2400	1080	2490	1260	2060	11500	2800	456	238	175
9	692	1460	2340	1080	2200	1410	3100	7610	2150	446	231	172
10	640	1440	2260	1110	1650	2510	4480	6210	1980	452	228	170
11	624	1420	2210	1130	1450	2000	3440	5430	2250	472	224	167
12	1540	1390	2160	1060	1440	1690	3070	4340	2330	454	233	164
13	2730	1370	2400	1050	1390	1550	11500	20300	1830	433	225	163
14	4610	1360	3210	1020	1310	1440	11200	17900	1930	421	244	166
15	5350	1350	3580	1080	1280	1360	10600	8270	1800	410	243	189
16	3350	1340	3050	1080	1250	3730	5560	8000	1880	399	231	184
17	3950	1330	17700	1190	1210	2570	5430	7520	1500	367	222	177
18	3170	1310	15800	1100	1130	2030	4850	7420	1380	341	221	173
19	3010	1310	6070	903	990	1800	4490	7630	1150	335	217	173
20	2970	1310	4180	866	1030	2640	4670	7850	954	338	216	189
21	2790	1000	3840	889	1160	2200	8420	7660	905	327	222	184
22	2680	754	3770	859	1090	1810	6060	6480	863	317	226	183
23	2660	753	3880	862	1020	1620	4700	3740	794	313	231	178
24	9070	763	3610	1180	988	1500	5450	2110	689	304	264	175
25	8660	990	3570	1150	966	2790	6040	2340	632	300	268	170
26	4520	1250	3570	1030	1040	6710	4490	2090	645	295	259	172
27	3370	3440	3460	970	1110	4530	2350	1820	721	291	257	567
28	3120	3360	3380	932	1030	4810	11700	1850	917	297	225	344
29	3200	6830	3280	922	---	4300	5920	2160	829	292	207	228
30	3040	8310	3160	1370	---	4850	4110	2090	692	286	203	197
31	2940	---	3110	2190	---	3770	---	1810	---	278	199	---
TOTAL	82847	58070	128440	37493	53214	76400	154370	189340	52871	12462	7298	5958
MEAN	2672	1936	4143	1209	1900	2465	5146	6108	1762	402.0	235.4	198.6
MAX	9070	8310	17700	2490	7600	6710	11700	20300	6080	636	273	567
MIN	346	753	2160	859	966	1030	2060	1810	632	278	199	163
CFSM	2.18	1.58	3.38	0.99	1.55	2.01	4.20	4.99	1.44	0.33	0.19	0.16
IN.	2.52	1.76	3.90	1.14	1.62	2.32	4.69	5.75	1.61	0.38	0.22	0.18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2002, BY WATER YEAR (WY)

	MEAN	502.9	919.8	1317	1929	1997	2246	2193	1790	1259	767.0	496.6	405.0
MAX	2796	4160	5468	9401	6290	5909	5146	8618	5273	3390	4271	4239	
(WY)	1927	1994	1991	1937	1950	1963	2002	1996	1998	1958	1979	1926	
MIN	95.5	98.1	95.1	102	122	294	275	186	161	138	102	85.7	
(WY)	1935	1935	1935	1977	1935	1941	1941	1941	1934	1934	1930	1999	

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1916 - 2002	
ANNUAL TOTAL	598904		858763			
ANNUAL MEAN	1641		2353		1315	
HIGHEST ANNUAL MEAN					2398	
LOWEST ANNUAL MEAN					271	
HIGHEST DAILY MEAN	17700	Dec 17	20300	May 13	55000	Jan 21 1959
LOWEST DAILY MEAN	297	Sep 17	163	Sep 13	60	Jul 27 1934
ANNUAL SEVEN-DAY MINIMUM	357	Aug 17	168	Sep 8	66	Sep 25 1941
MAXIMUM PEAK FLOW			27000		81800	
MAXIMUM PEAK STAGE			16.21		27.78	
ANNUAL RUNOFF (CFSM)	1.34		1.92	May 13	1.07	Jan 21 1959
ANNUAL RUNOFF (INCHES)	18.20		26.10		14.59	
10 PERCENT EXCEEDS	3360		5380		2880	
50 PERCENT EXCEEDS	990		1440		635	
90 PERCENT EXCEEDS	430		225		167	

03276500 WHITEWATER RIVER AT BROOKVILLE, IN--Continued



03291780 INDIAN-KENTUCK CREEK NEAR CANAAN, IN

LOCATION.--Lat 38°52'41", long 85°15'26", in SW¹/₄NW¹/₄ sec.13, T.5 N., R.11 E., Jefferson County, Hydrologic Unit 05140101, (REXVILLE, IN quadrangle), on downstream end of left pier of bridge on State Highway 62, 1,500 ft upstream from Wilson Fork, 2.0 mi northeast of Canaan, and at mile 16.7.

DRAINAGE AREA.--27.5 mi².

PERIOD OF RECORD.--October 1969 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 590 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges and those below 1 ft³/s, which are poor.

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	3.5	11	91	e11	563	12	16	33	15	3.2	0.00	0.00
2	3.1	8.9	45	e11	93	112	13	49	12	2.6	0.00	0.00
3	2.9	7.3	30	e9.4	54	186	11	24	8.8	2.0	0.00	0.00
4	2.5	6.0	22	e9.0	37	59	8.9	18	7.1	1.5	0.00	0.00
5	3.2	5.4	18	e8.0	27	39	7.7	13	17	1.1	0.00	0.00
6	33	4.6	123	e9.5	22	26	6.7	417	220	0.76	0.00	0.00
7	10	4.1	80	e8.1	20	21	5.8	399	49	0.49	0.00	0.00
8	5.8	3.8	63	e7.7	16	17	5.6	1210	22	0.26	0.00	0.00
9	4.3	3.2	41	e9.0	13	43	6.8	286	102	0.21	0.00	0.00
10	3.5	2.8	28	13	15	41	4.8	138	57	4.8	0.00	0.00
11	3.5	2.8	21	18	16	27	4.0	92	16	2.3	0.00	0.00
12	112	2.6	19	14	13	25	4.4	78	10	1.3	0.00	0.00
13	37	2.4	98	12	11	23	490	1210	24	0.79	0.00	0.00
14	716	2.2	259	9.5	8.9	18	454	181	16	0.56	0.00	0.00
15	121	2.1	87	8.4	9.5	43	111	81	8.9	0.30	0.00	0.01
16	137	1.8	396	6.7	8.3	552	45	52	8.3	0.09	0.00	0.00
17	71	1.8	1510	6.0	7.3	79	27	88	5.9	0.52	0.00	0.00
18	40	1.6	265	4.9	6.0	46	19	124	4.3	0.45	0.00	0.00
19	29	1.9	95	5.2	6.3	187	24	53	3.3	0.33	0.00	0.00
20	22	3.1	53	6.1	29	463	34	39	2.7	0.28	0.00	0.00
21	17	2.2	37	5.9	43	102	363	30	2.2	0.17	0.00	0.00
22	15	1.7	30	5.0	19	48	204	23	1.7	0.27	0.00	0.00
23	238	1.6	306	5.4	14	33	52	19	1.5	0.26	0.00	0.00
24	1140	2.5	77	389	13	25	170	15	1.3	0.07	0.00	0.00
25	257	6.9	43	77	12	36	248	13	69	0.00	0.00	0.00
26	76	3.5	36	40	16	412	50	17	46	0.00	0.00	0.0
27	40	150	30	29	15	86	206	10	13	0.00	0.00	961
28	27	619	21	23	14	46	750	324	10	0.00	0.00	35
29	20	518	e16	19	---	34	85	130	5.8	0.00	0.00	12
30	16	443	e14	194	---	26	46	43	4.1	0.00	0.00	6.8
31	13	---	e12	126	---	20	---	23	---	0.00	0.00	---
TOTAL	3219.3	1827.8	3966	1099.8	1121.3	2887	3472.7	5232	763.9	24.61	0.00	1014.81
MEAN	103.8	60.93	127.9	35.48	40.05	93.13	115.8	168.8	25.46	0.794	0.000	33.83
MAX	1140	619	1510	389	563	552	750	1210	220	4.8	0.00	961
MIN	2.5	1.6	12	4.9	6.0	12	4.0	10	1.3	0.00	0.00	0.00
CFSM	3.78	2.22	4.65	1.29	1.46	3.39	4.21	6.14	0.93	0.03	0.00	1.23
IN.	4.35	2.47	5.36	1.49	1.52	3.91	4.70	7.08	1.03	0.03	0.00	1.37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2002, BY WATER YEAR (WY)

	MEAN	12.58	32.67	52.61	50.92	57.84	67.43	63.35	51.16	30.59	15.51	14.02	10.98
MAX	104	137	173	169	136	134	216	198	152	60.5	78.9	81.9	
(WY)	2002	1980	1991	1982	1990	1975	1996	1996	1996	2000	1995	2001	
MIN	0.000	0.000	3.95	0.60	5.24	11.7	5.68	3.82	0.44	0.12	0.000	0.000	
(WY)	1988	2000	1977	1977	1992	1983	2001	1992	1988	1975	1999	1987	

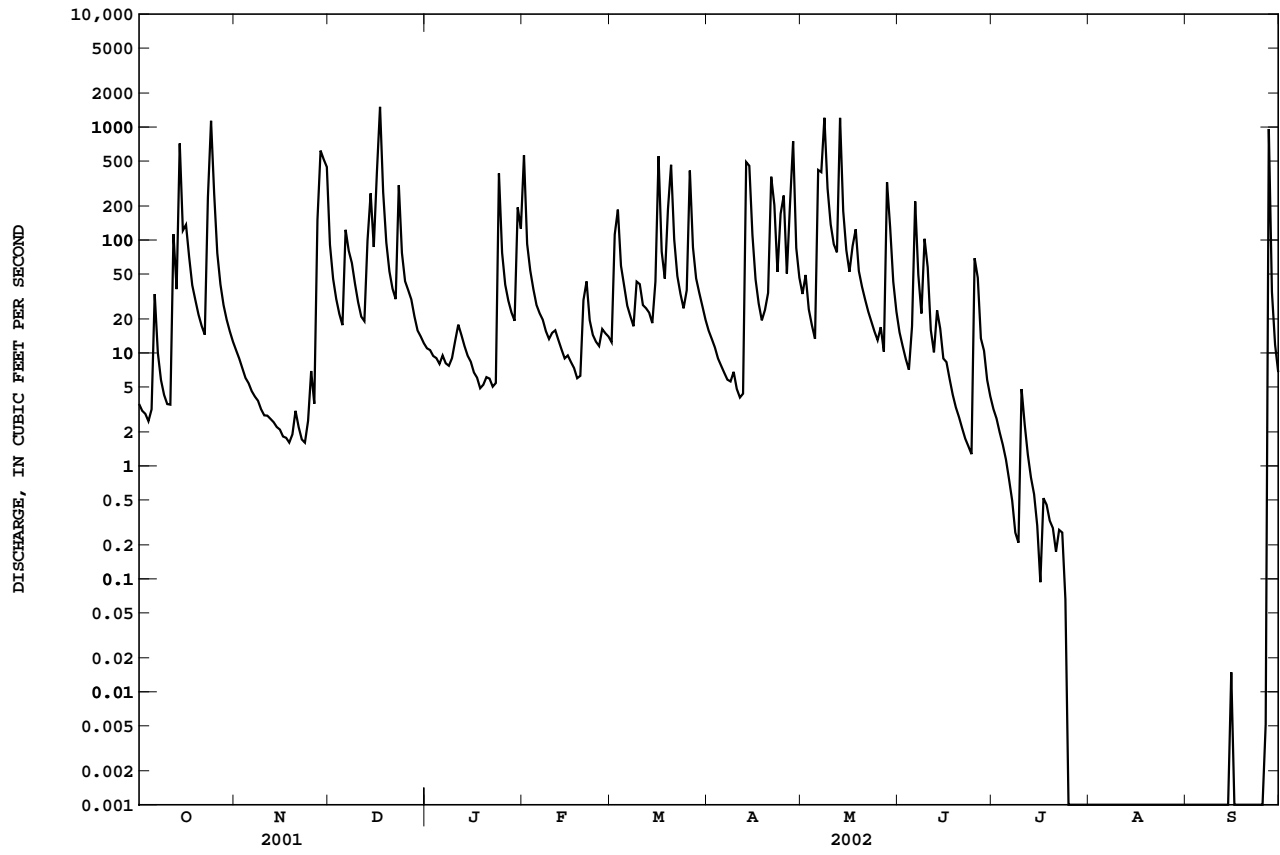
SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1970 - 2002

ANNUAL TOTAL		20066.2		24629.22									
ANNUAL MEAN		54.98		67.48						38.20			
HIGHEST ANNUAL MEAN										77.2			1996
LOWEST ANNUAL MEAN										17.0			1988
HIGHEST DAILY MEAN				1510	Dec 17		1510	Dec 17		2370	Apr 29		1996
LOWEST DAILY MEAN				1.5	Jul 17		0.00	Jul 25		0.00	Oct 1		1969
ANNUAL SEVEN-DAY MINIMUM				2.0	Nov 13		0.00	Jul 25		0.00	Jun 27		1970
MAXIMUM PEAK FLOW							5040	May 8		7800	May 16		1990
MAXIMUM PEAK STAGE							9.76	May 8		11.34	May 16		1990
ANNUAL RUNOFF (CFSM)				2.00			2.45			1.39			
ANNUAL RUNOFF (INCHES)				27.14			33.32			18.87			
10 PERCENT EXCEEDS				122			174			80			
50 PERCENT EXCEEDS				13			12			8.9			
90 PERCENT EXCEEDS				3.0			0.00			0.09			

e Estimated

INDIAN-KENTUCK CREEK BASIN

03291780 INDIAN-KENTUCK CREEK NEAR CANAAN, IN--Continued



SILVER CREEK BASIN

03294000 SILVER CREEK NEAR SELLERSBURG, IN

LOCATION.--Lat 38°22'15", long 85°43'35", in lot 68, Clark Military Grant, Clark County, Hydrologic Unit 05140101, (JEFFERSONVILLE, IN quadrangle), on downstream side of Straws Mill bridge on Watson Road, 0.3 mi downstream from Pleasant Run, 2.4 mi southeast of Sellersburg, and 12.2 mi upstream from mouth.

DRAINAGE AREA.--189 mi².

PERIOD OF RECORD.--October 1954 to current year.

REVISED RECORDS.--WSP 1705: 1955-58. WDR IN-72-1: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 429.78 ft above National Geodetic Vertical Datum of 1929, (levels by State of Indiana, Department of Natural Resources). Prior to Oct. 6, 1976, and Feb. 15 to Sept. 20, 1984 nonrecording gage and crest-stage gage at same site and datum.

REMARKS.--Records fair except for daily discharges below 10 ft³/s, which are poor. Some regulation by Deam Lake.

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	7.6	113	1100	114	2950	90	265	330	149	26	6.8	1.2
2	7.5	97	554	99	1320	91	227	1700	126	20	5.0	0.91
3	6.1	98	382	93	590	438	200	988	260	18	4.8	0.86
4	5.2	90	293	84	408	235	178	458	154	16	4.7	0.82
5	18	70	238	81	301	181	155	295	428	18	5.1	0.66
6	133	64	358	84	261	160	139	643	2110	10	6.1	0.53
7	72	58	693	96	246	139	125	1690	1050	9.1	6.2	0.50
8	35	55	501	89	203	122	118	1390	378	8.7	5.2	0.47
9	25	60	431	95	172	144	148	1570	230	8.7	3.8	0.43
10	19	46	291	124	164	296	169	633	171	12	2.8	0.37
11	16	43	231	136	157	191	129	366	132	12	2.3	0.29
12	100	39	200	118	136	174	117	286	352	7.9	2.3	0.28
13	175	38	459	108	120	171	545	4020	1040	5.4	2.4	0.28
14	1310	35	646	97	106	153	602	5070	528	6.9	3.2	0.31
15	695	33	586	89	106	143	609	1160	240	9.2	7.0	0.51
16	350	32	965	79	108	491	312	464	171	8.4	6.4	0.59
17	247	33	4780	75	95	383	255	403	130	6.6	5.0	0.89
18	157	32	5230	70	81	299	233	768	96	27	4.3	6.0
19	121	32	1310	68	76	914	185	371	84	19	3.9	7.2
20	98	40	591	69	98	3840	181	274	62	10	4.3	6.7
21	79	39	405	68	132	2020	252	217	49	7.0	4.4	6.4
22	67	35	318	74	112	687	1280	181	43	6.0	4.2	5.3
23	207	31	905	72	94	451	437	160	36	6.6	4.9	4.1
24	3720	47	639	1800	85	340	283	125	30	7.4	7.7	3.8
25	2520	85	399	1050	79	317	305	106	34	5.5	7.6	4.5
26	632	78	298	473	98	2830	217	338	48	4.3	5.6	7.1
27	345	341	252	320	127	1380	378	164	62	7.6	4.5	2930
28	244	902	220	253	95	629	2580	120	62	5.9	3.6	1730
29	193	3720	196	214	---	486	997	191	53	3.8	3.0	216
30	160	3550	150	1080	---	414	443	508	34	6.6	2.2	130
31	133	---	127	2070	---	325	---	234	---	8.6	1.7	---
TOTAL	11897.4	9936	23748	9342	8520	18534	12064	25223	8342	328.2	141.0	5067.00
MEAN	383.8	331.2	766.1	301.4	304.3	597.9	402.1	813.6	278.1	10.59	4.548	168.9
MAX	3720	3720	5230	2070	2950	3840	2580	5070	2110	27	7.7	2930
MIN	5.2	31	127	68	76	90	117	106	30	3.8	1.7	0.28
CFSM	2.03	1.75	4.05	1.59	1.61	3.16	2.13	4.31	1.47	0.06	0.02	0.89
IN.	2.34	1.96	4.67	1.84	1.68	3.65	2.37	4.96	1.64	0.06	0.03	1.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2002, BY WATER YEAR (WY)

	MEAN	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	36.63	117.4	255.1	306.0	412.2	517.7	394.4	321.8	162.7	69.69	46.39	37.53
MAX	384	805	862	1150	1323	2252	1117	1369	1337	316	514	390
(WY)	2002	1980	1979	1959	1956	1964	1970	1983	1960	1973	1978	1979
MIN	0.21	0.61	0.60	5.43	32.0	112	68.7	25.4	3.07	2.75	0.53	0.12
(WY)	1965	1964	1964	1977	1992	1981	2001	1988	1988	1959	1999	1999

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

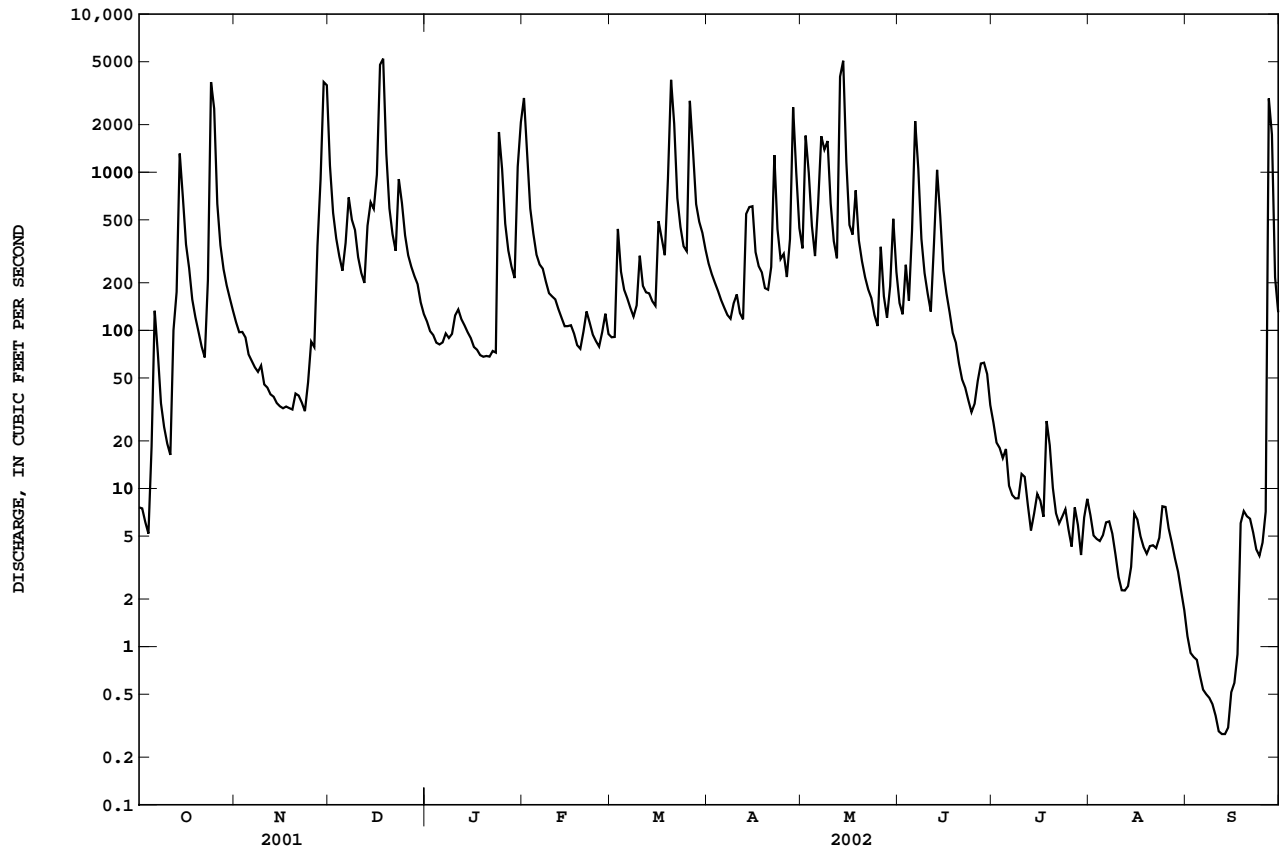
FOR 2002 WATER YEAR

WATER YEARS 1955 - 2002

ANNUAL TOTAL	76645.5	133142.60	
ANNUAL MEAN	210.0	364.8	222.2
HIGHEST ANNUAL MEAN			423
LOWEST ANNUAL MEAN			92.8
HIGHEST DAILY MEAN	5230	Dec 18	15100
LOWEST DAILY MEAN	2.5	Aug 18	0.00
ANNUAL SEVEN-DAY MINIMUM	5.3	Aug 18	0.00
MAXIMUM PEAK FLOW			6100
MAXIMUM PEAK STAGE			21.12
ANNUAL RUNOFF (CFSM)	1.11		1.93
ANNUAL RUNOFF (INCHES)	15.09		26.21
10 PERCENT EXCEEDS	430		934
50 PERCENT EXCEEDS	57		121
90 PERCENT EXCEEDS	9.9		4.5

SILVER CREEK BASIN

03294000 SILVER CREEK NEAR SELLSBURG, IN--Continued



03302220 BUCK CREEK NEAR NEW MIDDLETOWN, IN

LOCATION.--Lat 38°07'13", long 86°05'16", in SE¹/₄NE¹/₄ sec.32, T.4 S., R.4 E., Harrison County, Hydrologic Unit 05140104, (LACONIA, IN quadrangle), on right bank at downstream side of bridge on State Highway 337 (revised), 0.6 mi downstream from South Fork Buck Creek, 3.6 mi southwest of New Middletown, and 14.6 mi upstream from mouth.

DRAINAGE AREA.--65.2 mi², of which 28.1 mi² does not contribute directly to surface runoff.

PERIOD OF RECORD.--October 1969 to current year.

REVISED RECORDS.--WDR IN-72-1: 1971(P).

GAGE.--Water-stage recorder. Datum of gage is 501.63 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources).

REMARKS.--Records fair except for estimated daily discharges and those below 10 ft³/s, which are poor. Flow can be affected by regulation of Spring Hills Lake during periods of low flow.

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	2.7	18	297	e27	905	44	179	159	38	7.9	2.3	e0.85
2	2.3	17	130	e23	370	47	130	343	35	7.4	2.2	e0.82
3	1.7	15	95	e20	190	66	107	276	31	6.8	e1.9	e0.80
4	1.2	12	76	e17	149	59	90	177	28	6.6	e1.6	e0.76
5	8.8	12	62	e16	116	57	80	131	35	6.0	e1.4	e0.72
6	30	9.8	73	19	101	55	73	206	760	5.4	e1.2	e0.68
7	8.2	8.9	93	17	92	53	67	241	265	5.1	e1.1	e0.66
8	4.7	8.4	101	14	78	50	64	165	135	4.9	e1.0	e0.64
9	5.2	8.1	95	14	70	54	67	130	92	5.2	e0.92	e0.60
10	5.5	8.0	79	16	67	54	58	102	70	11	e0.85	e0.58
11	6.0	8.2	64	16	60	51	55	87	57	6.9	e0.80	e0.57
12	35	7.5	65	15	57	55	53	82	53	5.7	e1.0	e0.56
13	26	7.4	185	15	53	53	286	2000	52	5.8	e5.0	e0.52
14	296	7.4	194	14	49	49	267	661	42	6.1	e5.4	e1.0
15	100	7.4	171	13	48	48	213	299	36	5.4	e6.6	e3.0
16	65	6.7	594	11	46	161	147	160	31	5.0	e4.9	e2.2
17	48	6.4	1480	11	43	145	122	211	27	4.8	e3.7	e1.6
18	34	5.9	653	9.9	40	127	128	336	23	4.8	e2.9	e1.2
19	26	7.3	291	12	39	733	107	224	20	4.9	e2.5	e0.90
20	20	8.1	172	11	52	1290	94	114	18	4.7	e2.1	e1.4
21	16	6.5	125	10	58	514	195	94	16	4.3	e1.8	e4.1
22	14	5.9	100	9.8	52	283	492	83	14	4.0	e1.6	e2.6
23	22	5.9	122	11	49	156	209	74	13	4.4	e1.4	e2.0
24	205	10	105	1870	47	125	151	66	12	4.2	e1.3	e1.6
25	228	22	87	546	46	111	245	58	16	3.7	e1.2	e1.3
26	89	13	75	255	51	1560	154	55	15	3.4	e1.2	e1.5
27	56	164	65	157	48	510	425	48	12	3.3	e1.1	878
28	39	280	56	119	45	299	1330	43	11	3.0	e1.1	116
29	31	926	48	100	---	360	437	55	9.7	2.7	e1.0	57
30	25	741	40	410	---	381	233	53	8.8	2.4	e0.95	39
31	21	---	e34	410	---	220	---	43	---	2.5	e0.90	---
TOTAL	1472.3	2363.8	5827	4208.7	3021	7770	6258	6776	1975.5	158.3	71.92	1123.16
MEAN	47.49	78.79	188.0	135.8	107.9	250.6	208.6	218.6	65.85	5.106	2.320	37.44
MAX	296	926	1480	1870	905	1560	1330	2000	760	11	10	878
MIN	1.2	5.9	34	9.8	39	44	53	43	8.8	2.4	0.80	0.52
CFSM	1.28	2.12	5.07	3.66	2.91	6.76	5.62	5.89	1.77	0.14	0.06	1.01
IN.	1.48	2.37	5.84	4.22	3.03	7.79	6.27	6.79	1.98	0.16	0.07	1.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2002, BY WATER YEAR (WY)

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002			
MEAN	17.28	51.69	97.69	109.3	132.4	159.8	138.0	105.8	60.33	28.04	15.57	17.18																								
MAX	71.8	228	262	280	368	708	412	558	311	219	67.2	217																								
(WY)	1971	1980	1991	1999	1989	1997	1970	1983	1997	1979	1992	1979																								
MIN	0.76	3.16	6.01	2.64	24.8	40.4	21.9	16.3	1.56	4.59	1.45	0.72																								
(WY)	1988	1988	1977	1977	1992	1983	2001	1976	1988	1975	1999	1987																								

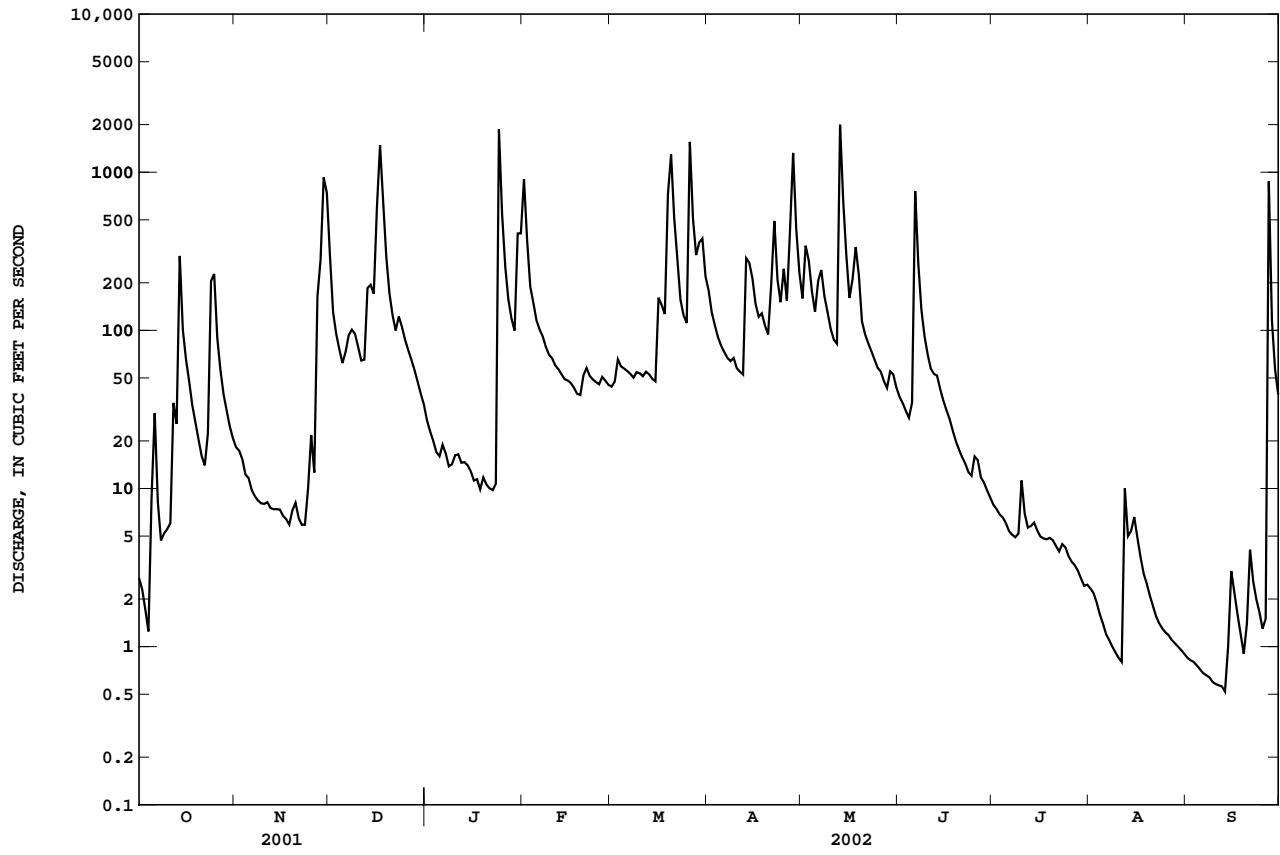
SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1970 - 2002

ANNUAL TOTAL	18906.8	41025.68	
ANNUAL MEAN	51.80	112.4	77.46
HIGHEST ANNUAL MEAN			150
LOWEST ANNUAL MEAN			32.8
HIGHEST DAILY MEAN	1480	Dec 17	2000
LOWEST DAILY MEAN	1.2	Oct 4	0.52
ANNUAL SEVEN-DAY MINIMUM	2.7	Sep 28	0.59
MAXIMUM PEAK FLOW			4480
MAXIMUM PEAK STAGE			9.31
ANNUAL RUNOFF (CFSM)	1.40		3.03
ANNUAL RUNOFF (INCHES)	18.96		41.14
10 PERCENT EXCEEDS	103		278
50 PERCENT EXCEEDS	16		39
90 PERCENT EXCEEDS	5.9		1.6

e Estimated

BUCK CREEK BASIN

03302220 BUCK CREEK NEAR NEW MIDDLETOWN, IN--Continued



03302300 LITTLE INDIAN CREEK NEAR GALENA, IN

LOCATION.--Lat 38°19'19", long 85°55'53", in NE1/4SW1/4 sec.23, T.2 S., R.5 E., Floyd County, Hydrologic Unit 05140104, (GEORGETOWN, IN quadrangle), on right bank approximately 500 ft upstream of county road bridge, on abandoned county road embankment, 2.0 mi south of Galena, 3.6 mi upstream from mouth, and 7.0 mi northwest of New Albany.

DRAINAGE AREA.--16.1 mi².

PERIOD OF RECORD.--October 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 703.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002 DAILY MEAN VALUES

Table with columns for DAY (1-31), and months OCT through SEP, showing daily discharge values in CFS. Includes summary rows for TOTAL, MEAN, MAX, MIN, CFSM, and IN.

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2002, BY WATER YEAR (WY)

Table with 5 rows (MEAN, MAX, (WY), MIN, (WY)) and 12 columns for water years 1969 through 1999.

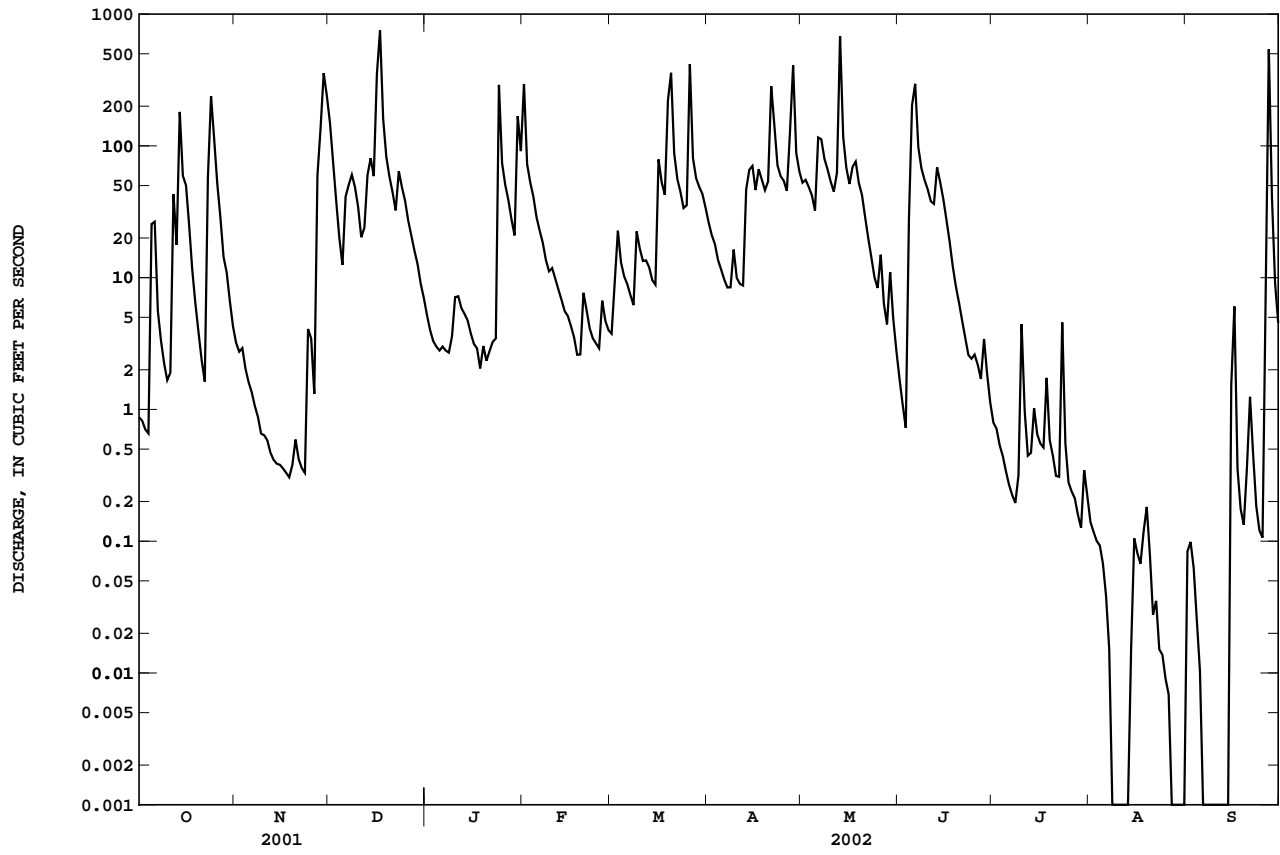
SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1969 - 2002

Table with 4 columns: 2001 Annual Total, 2002 Annual Total, 2001 Annual Mean, and Water Years 1969-2002. Rows include Annual Total, Annual Mean, Highest Annual Mean, Lowest Annual Mean, Highest Daily Mean, Lowest Daily Mean, Annual Seven-Day Minimum, Maximum Peak Flow, Maximum Peak Stage, Annual Runoff (CFSM), Annual Runoff (Inches), 10 Percent Exceeds, 50 Percent Exceeds, 90 Percent Exceeds.

e Estimated

INDIAN CREEK BASIN

03302300 LITTLE INDIAN CREEK NEAR GALENA, IN--Continued



03302680 WEST FORK BLUE RIVER AT SALEM, IN

LOCATION.--Lat 38°36'19", long 86°05'40", in SW¹/₄SE¹/₄ sec.17, T.2 N., R.4 E., Washington County, Hydrologic Unit 05140104, (SALEM, IN quadrangle), on left bank at downstream side of bridge on East Market Street, 0.35 mi east of County Court House in Salem, 6.0 mi upstream from Hoggatt Branch, and 6.9 mi upstream from mouth.

DRAINAGE AREA.--19.0 mi².

PERIOD OF RECORD.--July 1970 to current year. Prior to December 10, 1970, nonrecording gage at site 0.55 mi downstream at datum 5.04 ft lower.

REVISED RECORDS.--WDR IN-96-1: 1983(P), 1988(P), 1990(P), 1995(P).

GAGE.--Water-stage recorder. Datum of gage is 713.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except for estimated daily discharges and those below 1.00 ft³/s, which are poor.

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	0.31	8.1	137	e8.0	344	13	35	115	6.2	1.6	0.32	e0.00
2	0.32	7.7	86	e7.0	135	45	30	143	17	1.4	0.30	e0.00
3	0.30	6.9	54	e6.6	93	118	25	89	18	1.3	0.30	e0.00
4	0.28	5.9	35	e5.6	61	62	20	62	10	1.1	0.27	e0.00
5	0.87	5.3	24	e5.4	38	41	18	42	34	1.0	0.20	e0.00
6	0.94	4.9	78	e5.6	30	30	17	198	141	0.93	0.17	e0.00
7	0.78	4.6	86	e5.2	25	23	15	157	70	0.83	0.10	e0.00
8	0.59	4.4	75	e4.8	20	19	16	913	29	0.77	0.06	e0.00
9	0.51	4.4	52	6.7	17	29	21	192	16	0.97	0.00	e0.00
10	0.49	4.1	37	7.7	16	24	15	119	11	1.2	0.00	0.00
11	0.90	4.1	26	7.7	13	22	14	84	9.2	0.94	0.00	0.00
12	2.4	3.8	27	7.0	12	22	13	125	9.0	0.80	0.18	0.00
13	2.0	3.6	69	7.0	11	19	188	867	44	0.71	0.06	0.00
14	119	3.5	122	6.7	9.7	17	222	220	19	0.71	3.0	e0.00
15	32	3.4	95	6.4	9.4	21	138	136	11	0.70	2.0	0.32
16	19	3.4	298	6.0	8.6	222	88	96	9.6	0.59	0.65	0.17
17	14	3.2	1080	5.9	8.0	113	60	81	6.6	0.54	0.44	0.12
18	9.7	e3.2	248	5.5	7.0	76	42	71	5.3	0.51	0.58	0.10
19	7.9	3.5	146	5.8	6.8	123	32	44	5.1	0.52	0.45	0.42
20	6.5	3.8	96	5.4	12	268	28	34	3.8	0.50	0.43	0.99
21	5.3	3.3	67	5.5	14	148	71	26	3.3	0.44	0.34	0.18
22	5.1	3.2	48	5.2	11	96	124	21	2.9	0.41	0.30	0.00
23	13	3.1	113	5.2	9.7	70	68	18	2.6	0.41	0.24	0.00
24	200	7.9	78	135	9.2	50	56	16	2.5	0.41	0.20	0.00
25	148	15	52	89	8.8	47	61	14	2.8	0.40	0.29	0.00
26	63	8.4	37	52	18	200	38	13	2.5	0.40	0.50	0.91
27	30	50	29	35	16	126	69	10	2.4	0.44	0.12	105
28	19	335	23	27	15	91	256	8.9	3.7	0.41	0.10	5.1
29	14	426	19	21	---	76	115	8.2	2.3	0.48	0.12	1.9
30	11	275	e13	75	---	54	75	7.8	1.9	0.43	e0.05	1.1
31	9.3	---	e10	118	---	42	---	6.7	---	0.40	e0.00	---
TOTAL	736.49	1218.7	3360	693.9	978.2	2307	1970	3937.6	501.7	22.25	11.77	116.31
MEAN	23.76	40.62	108.4	22.38	34.94	74.42	65.67	127.0	16.72	0.718	0.380	3.877
MAX	200	426	1080	135	344	268	256	913	141	1.6	3.0	105
MIN	0.28	3.1	10	4.8	6.8	13	13	6.7	1.9	0.40	0.00	0.00
CFSM	1.25	2.14	5.70	1.18	1.84	3.92	3.46	6.69	0.88	0.04	0.02	0.20
IN.	1.44	2.39	6.58	1.36	1.92	4.52	3.86	7.71	0.98	0.04	0.02	0.23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2002, BY WATER YEAR (WY)

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002		
MEAN	7.047	21.94	33.98	32.90	41.40	44.82	44.57	32.98	15.33	12.10	7.028	6.361																							
MAX	45.7	89.9	108	103	106	104	164	140	80.3	65.7	30.5	40.0																							
(WY)	1984	1986	2002	1982	1989	1989	1996	1983	1997	1988	1985	1982																							
MIN	0.14	0.29	2.33	0.97	5.41	9.65	2.83	1.91	0.088	0.29	0.13	0.024																							
(WY)	1988	2000	1977	1977	1992	1976	2001	1988	1988	1991	1987	1999																							

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

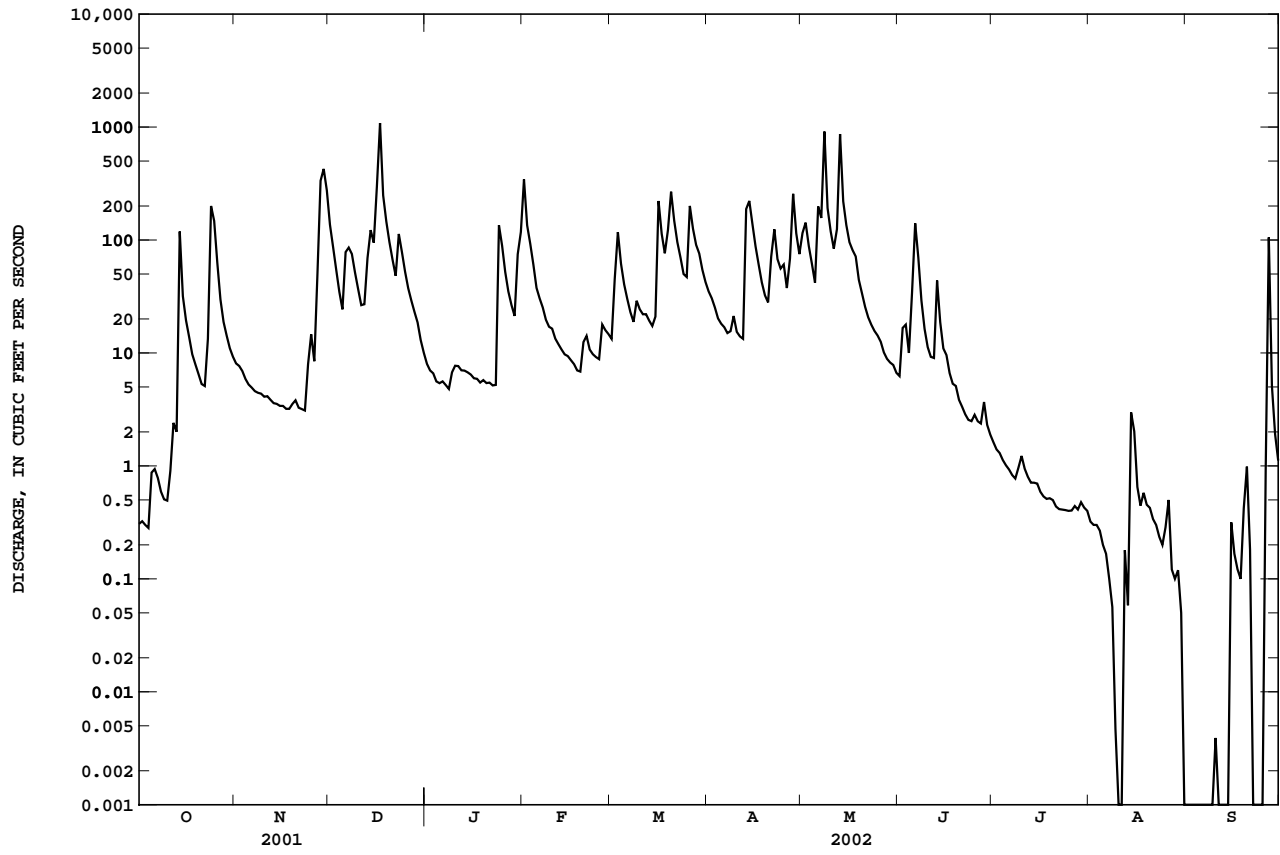
WATER YEARS 1970 - 2002

ANNUAL TOTAL	8590.35	15853.92	
ANNUAL MEAN	23.54	43.44	25.00
HIGHEST ANNUAL MEAN			43.4
LOWEST ANNUAL MEAN			10.7
HIGHEST DAILY MEAN	1080	1080	2130
LOWEST DAILY MEAN	0.28	0.00	0.00
ANNUAL SEVEN-DAY MINIMUM	0.33	0.00	0.00
MAXIMUM PEAK FLOW		4710	6930
MAXIMUM PEAK STAGE		13.12	15.58
ANNUAL RUNOFF (CFSM)	1.24	2.29	1.32
ANNUAL RUNOFF (INCHES)	16.82	31.04	17.88
10 PERCENT EXCEEDS	63	119	55
50 PERCENT EXCEEDS	4.1	9.2	7.2
90 PERCENT EXCEEDS	0.59	0.20	0.40

e Estimated

BLUE RIVER BASIN

03302680 WEST FORK BLUE RIVER AT SALEM, IN--Continued



03302800 BLUE RIVER AT FREDERICKSBURG, IN

LOCATION.--Lat 38°26'02", long 86°11'31", in NE¹/₄NW¹/₄ sec.16, T.1 S., R.3 E., Washington County, Hydrologic Unit 05140104, (FREDERICKSBURG, IN quadrangle), on downstream side of bridge on U.S. Highway 150 at Fredericksburg, 0.5 mi downstream from South Fork Blue River, and at mile 57.1.

DRAINAGE AREA.--283 mi², of which 76.9 mi² does not contribute directly to surface runoff.

PERIOD OF RECORD.--June 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 590.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Jan. 21, 1959, reached a stage of 29.20 ft, from floodmark, on left upstream wingwall.

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	16	210	1640	e210	3970	219	497	655	238	53	24	8.2
2	15	181	970	e185	1670	237	435	1730	187	48	23	7.9
3	15	158	721	e170	1050	1280	378	1040	522	44	22	7.8
4	15	138	575	e150	770	748	315	685	282	40	21	7.1
5	18	120	474	e140	569	539	276	507	201	37	16	6.6
6	48	106	568	e150	482	428	250	717	958	35	13	6.4
7	52	95	1060	161	427	360	224	2080	771	33	11	6.4
8	37	87	762	139	360	310	216	4490	462	31	11	e6.2
9	32	79	669	130	296	330	283	4090	344	31	10	e6.2
10	29	71	541	140	269	568	281	1270	266	37	9.9	e6.2
11	33	66	455	161	252	423	236	849	208	42	11	e5.7
12	57	61	397	151	219	397	220	681	196	35	11	e5.6
13	161	57	616	141	196	371	1740	8310	577	33	11	e5.6
14	1460	53	849	132	172	326	3060	5320	596	32	11	9.9
15	903	50	967	125	163	296	1930	1520	323	28	28	13
16	512	49	1290	110	155	1190	1040	970	238	26	24	25
17	386	47	10500	104	140	961	730	749	190	24	16	28
18	298	43	6850	100	125	710	567	780	150	24	14	14
19	235	42	1890	98	120	1080	456	585	125	23	13	10
20	187	47	1180	99	141	4510	400	493	107	23	14	13
21	145	48	852	93	249	2220	446	421	91	22	13	24
22	118	43	677	92	198	1200	2320	366	80	22	12	20
23	520	38	1440	88	166	879	960	328	74	21	11	15
24	3500	46	1130	1440	152	691	661	293	69	20	11	11
25	2580	281	780	1240	145	590	609	258	69	20	11	8.7
26	962	208	624	729	212	2250	461	296	258	22	11	9.3
27	623	339	526	544	270	1630	441	225	94	25	9.7	1590
28	462	2140	452	440	224	1030	3090	188	77	24	8.5	457
29	372	6830	386	378	---	854	1480	348	78	e23	9.3	171
30	311	4220	317	685	---	713	891	759	63	24	8.7	99
31	254	---	e240	1520	---	578	---	335	---	26	8.3	---
TOTAL	14356	15953	40398	10045	13162	27918	24893	41338	7894	928	427.4	2603.8
MEAN	463.1	531.8	1303	324.0	470.1	900.6	829.8	1333	263.1	29.94	13.79	86.79
MAX	3500	6830	10500	1520	3970	4510	3090	8310	958	53	28	1590
MIN	15	38	240	88	120	219	216	188	63	20	8.3	5.6
CFSM	1.64	1.88	4.60	1.14	1.66	3.18	2.93	4.71	0.93	0.11	0.05	0.31
IN.	1.89	2.10	5.31	1.32	1.73	3.67	3.27	5.43	1.04	0.12	0.06	0.34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2002, BY WATER YEAR (WY)

	70.00	237.7	422.7	465.7	549.8	619.9	592.4	449.1	253.3	137.3	88.27	69.11
MEAN	70.00	237.7	422.7	465.7	549.8	619.9	592.4	449.1	253.3	137.3	88.27	69.11
MAX	463	1135	1303	1341	1236	1372	1957	1808	1188	588	463	299
(WY)	2002	1980	2002	1982	1990	1997	1996	1983	1997	1973	1977	1996
MIN	3.45	6.74	29.4	11.6	56.1	142	83.9	35.2	8.36	13.1	9.55	4.25
(WY)	1998	2000	1977	1977	1992	1969	2001	1988	1988	1991	1999	1999

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

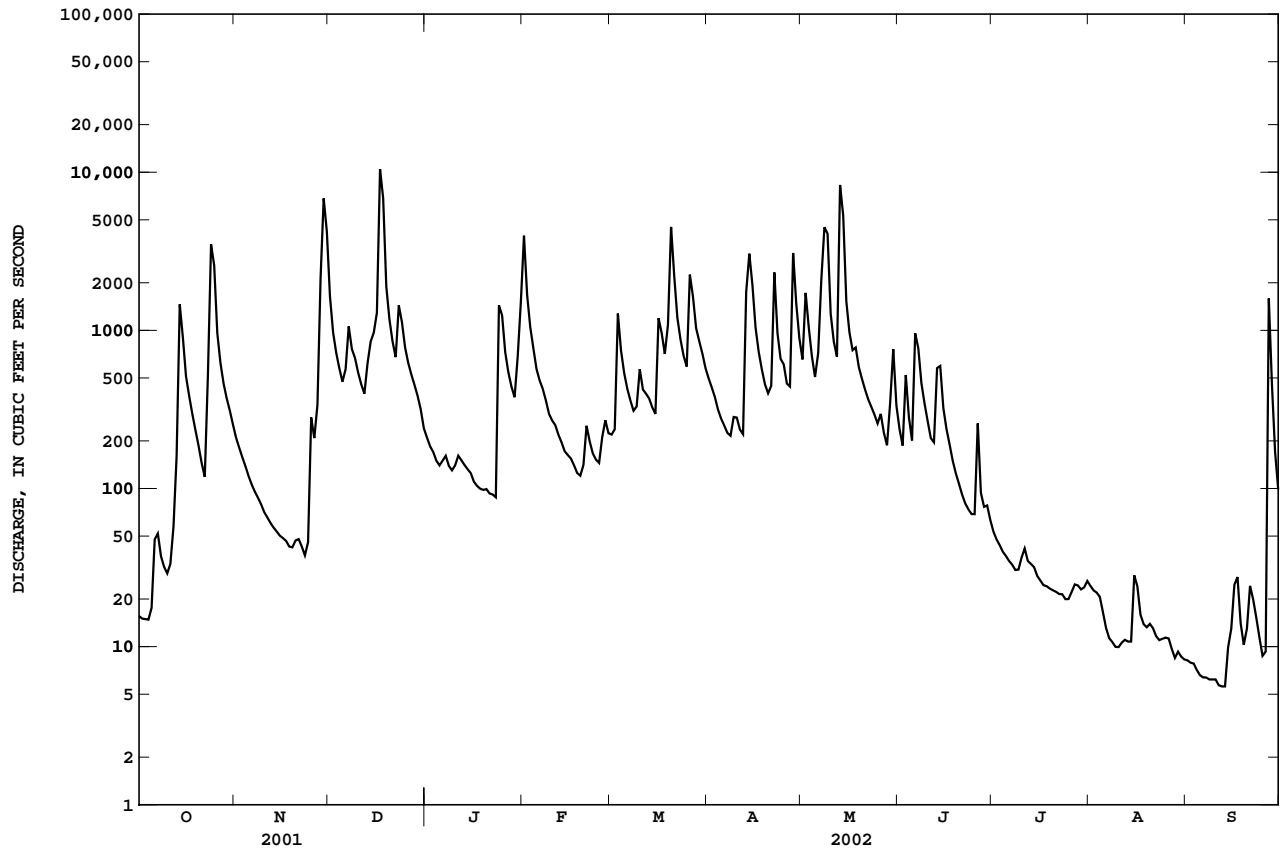
WATER YEARS 1969 - 2002

ANNUAL TOTAL	116574	199916.2	
ANNUAL MEAN	319.4	547.7	328.4
HIGHEST ANNUAL MEAN			551
LOWEST ANNUAL MEAN			129
HIGHEST DAILY MEAN	10500	10500	22000
LOWEST DAILY MEAN	11	e5.6	1.8
ANNUAL SEVEN-DAY MINIMUM	14	e6.0	1.8
MAXIMUM PEAK FLOW		13000	39000
MAXIMUM PEAK STAGE		21.99	27.15
ANNUAL RUNOFF (CFSM)	1.13	1.94	1.16
ANNUAL RUNOFF (INCHES)	15.32	26.28	15.77
10 PERCENT EXCEEDS	706	1250	746
50 PERCENT EXCEEDS	84	210	113
90 PERCENT EXCEEDS	26	13	14

e Estimated

BLUE RIVER BASIN

03302800 BLUE RIVER AT FREDERICKSBURG, IN--Continued



03302849 WHISKEY RUN AT MARENGO, IN

LOCATION.--Lat 38°22'32", long 86°20'41", in SW¹/₄NW¹/₄ sec.6, T.2 S., R.2 E., Crawford County, Hydrologic Unit 05140104, (HARDINSBURG, IN quadrangle), on left (north) bank approximately 100 ft upstream from bridge in Marengo, approximately 100 ft upstream of the intersection of North Main Street and North Water Street in Marengo, known as Old Town, .1 mi northwest of the intersection of State Highway 64 and North Main Street in Marengo, and .6 mi west of the intersection of State Highway 64 and State Highway 66.

DRAINAGE AREA.--7.02 mi².

PERIOD OF RECORD.--October 1986 to September 1993 (discharge), October 1993 to current year (gage height only).

GAGE.--Water-stage recorder. Datum of gage is 561.45 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Stage affected at times by inflow from small cave 50 ft below gage. Stages of 0.90 ft or less are below the gage intake level.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 26, 1979 reached a stage of 15.89 ft. Stage determined from levels to high-water mark in Old Town grocery store just downstream and across bridge from gage. Reports from local residents indicate this event as highest known flood.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 12.39 ft June 7, 1990; minimum gage height, undetermined below 0.90 ft, stream goes dry most years.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 7.71 ft, May 12; minimum gage height, 0.96 ft, July 28.

GAGE HEIGHT, in FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.35	1.53	2.12	1.60	2.40	1.76	1.84	1.94	1.43	1.34	1.29	1.26
2	1.34	1.51	1.97	1.58	2.13	2.84	1.80	2.04	1.43	1.33	1.30	1.26
3	1.34	1.49	1.86	1.56	2.00	2.16	1.75	1.89	1.41	1.32	1.30	1.26
4	1.33	1.47	1.78	1.55	1.88	2.00	1.73	1.81	1.40	1.32	1.29	1.25
5	1.57	1.46	1.73	1.55	1.81	1.92	1.70	1.74	2.23	1.31	1.29	1.24
6	1.43	1.45	2.30	1.57	1.78	1.85	1.67	2.41	2.05	1.31	1.29	1.24
7	1.39	1.44	2.04	1.54	1.74	1.79	1.66	2.07	1.75	1.31	1.29	1.24
8	1.39	1.43	2.05	1.53	1.70	1.75	1.74	2.52	1.61	1.31	1.29	1.24
9	1.39	1.43	1.92	1.57	1.68	2.09	1.83	2.19	1.53	1.38	1.28	1.23
10	1.39	1.43	1.84	1.60	1.66	1.93	1.77	2.00	1.48	1.36	1.28	1.24
11	1.58	1.42	1.76	1.58	1.64	1.88	1.74	1.88	1.47	1.36	1.32	1.22
12	1.60	1.41	2.20	1.58	1.62	1.86	1.77	7.43	1.45	1.36	1.31	1.22
13	1.67	1.41	2.08	1.56	1.60	1.82	2.30	2.93	1.89	1.36	1.31	1.22
14	2.15	1.41	2.28	1.55	1.58	1.78	2.56	2.28	1.65	1.36	1.33	1.22
15	1.83	1.41	2.07	1.53	1.58	1.82	2.20	2.05	1.56	1.35	1.32	1.30
16	1.71	1.41	5.68	1.52	1.57	2.14	2.03	1.89	1.50	1.34	1.30	1.28
17	1.61	1.40	3.13	1.51	1.55	2.03	1.92	1.96	1.45	1.34	1.29	1.26
18	1.56	1.41	2.35	1.50	1.53	1.93	1.85	1.81	1.41	1.34	1.31	1.26
19	1.53	1.45	2.11	1.52	1.55	3.37	2.55	1.74	1.40	1.34	1.31	1.28
20	1.49	1.42	1.97	1.50	1.83	2.61	2.16	1.69	1.39	1.33	1.29	1.47
21	1.46	1.42	1.88	1.51	1.73	2.21	2.96	1.65	1.37	1.33	1.29	1.34
22	1.45	1.41	1.97	1.51	1.68	2.06	2.26	1.61	1.36	1.36	1.28	1.31
23	3.41	1.42	2.14	1.60	1.66	1.96	2.07	1.57	1.36	1.36	1.32	1.30
24	2.92	2.17	1.99	2.37	1.64	1.88	2.00	1.54	1.38	1.34	1.27	1.28
25	2.16	1.82	1.89	2.07	1.66	2.37	1.90	1.60	1.37	1.34	1.26	1.29
26	1.93	1.71	1.83	1.94	1.91	2.52	1.82	1.52	1.36	1.33	1.27	1.51
27	1.78	2.01	1.78	1.85	1.83	2.20	3.04	1.50	1.36	1.33	1.27	1.71
28	1.69	3.81	1.73	1.79	1.79	2.06	2.45	1.47	1.37	1.31	1.26	1.43
29	1.63	3.40	1.68	1.74	---	2.09	2.14	1.48	1.36	1.36	1.26	1.36
30	1.59	2.44	1.64	2.37	---	1.97	1.99	1.46	1.34	1.33	1.26	1.33
31	1.56	---	1.62	3.19	---	1.91	---	1.44	---	1.31	1.26	---
MEAN	1.68	1.68	2.11	1.71	1.74	2.08	2.04	2.04	1.50	1.34	1.29	1.30
MAX	3.41	3.81	5.68	3.19	2.40	3.37	3.04	7.43	2.23	1.38	1.33	1.71
MIN	1.33	1.40	1.62	1.50	1.53	1.75	1.66	1.44	1.34	1.31	1.26	1.22

CAL YR 2001 MEAN 1.59 MAX 5.68 MIN 1.26
 WTR YR 2002 MEAN 1.71 MAX 7.43 MIN 1.22

03303000 BLUE RIVER NEAR WHITE CLOUD, IN

LOCATION.--Lat 38°14'15", long 86°13'42", in NW¹/₄SE¹/₄ sec.19, T.3 S., R.3 E., Harrison County, Hydrologic Unit 05140104, (CORDON WEST, IN quadrangle), on left bank 400 ft downstream from Spring Creek, 600 ft upstream from bridge on Interstate 64, 0.2 mi upstream from bridge on State Highway 62, 0.8 mi north of White Cloud, and at mile 14.7.

DRAINAGE AREA.--476 mi², of which 192 mi² does not contribute directly to surface runoff. Also, part of flow from Indian Creek, downstream from Corydon, IN, enters Blue River via solution channel in Karst area through Harrison Spring.

PERIOD OF RECORD.--April 1931 to current year. Monthly figures only for some periods, published in WSP 1305.

REVISED RECORDS.--WSP 1335: 1921-32, 1933(M), 1935-38(M), 1944. WSP 1385: Drainage area. WSP 1555: 1953. WDR IN-75-1: 1973.

GAGE.--Water-stage recorder. Datum of gage is 434.26 ft above National Geodetic Vertical Datum of 1929, (levels by State of Indiana, Department of Natural Resources). Prior to Nov. 16, 1938, nonrecording gage at same site and datum.

REMARKS.--Records good except for estimated daily discharges, which are poor.

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	59	504	4290	e600	5790	521	1140	1520	573	167	56	22
2	55	453	2350	e560	4520	544	1010	1960	481	148	55	22
3	52	410	1650	e515	2370	1940	912	1960	482	135	53	21
4	49	374	1290	e480	1720	1760	801	1360	712	125	49	20
5	65	344	1070	e460	1300	1180	718	1070	555	115	47	19
6	181	313	1020	462	1080	967	663	1120	1080	106	46	19
7	167	287	1880	446	969	838	615	3150	1730	97	41	18
8	194	265	1590	425	863	740	584	3390	1020	90	37	17
9	151	242	1420	400	757	785	645	8090	762	88	32	16
10	117	225	1180	397	685	1070	687	2830	623	110	29	16
11	104	207	1020	407	637	997	627	1810	530	103	42	16
12	156	194	890	416	592	891	580	1400	474	105	116	14
13	242	183	1110	402	543	848	1820	10900	502	106	62	14
14	2150	173	1490	384	499	781	3780	12400	992	102	40	15
15	2550	165	1990	366	468	712	5040	4000	744	103	36	19
16	1140	159	2380	347	451	1460	2410	2450	538	86	34	37
17	819	154	12000	331	429	2190	1650	1790	452	76	34	41
18	650	148	15100	320	402	1530	1290	1660	398	76	54	28
19	541	148	4790	317	381	2140	1230	1390	347	70	49	34
20	466	151	2820	310	391	7140	1290	1130	305	66	41	53
21	406	144	1960	308	462	5650	1640	985	267	62	35	76
22	352	148	1540	297	530	2830	4510	866	238	76	33	50
23	503	140	2330	297	461	1940	2590	780	214	81	32	39
24	5910	156	2610	1820	426	1530	1610	710	209	64	33	42
25	5250	484	1760	3110	408	1300	1300	646	213	57	32	38
26	2330	591	1400	1660	459	3340	1120	616	211	55	30	39
27	1330	656	1190	1220	579	4000	1200	613	381	51	27	2260
28	970	2390	1040	999	570	2330	4800	528	260	50	27	2420
29	773	10900	912	863	---	1800	4140	505	209	54	26	717
30	656	8910	793	1440	---	1610	2090	1010	188	75	25	420
31	573	---	695	2880	---	1310	---	808	---	63	23	---
TOTAL	28961	29618	77560	23239	28742	56674	52492	73447	15690	2762	1276	6562
MEAN	934.2	987.3	2502	749.6	1026	1828	1750	2369	523.0	89.10	41.16	218.7
MAX	5910	10900	15100	3110	5790	7140	5040	12400	1730	167	116	2420
MIN	49	140	695	297	381	521	580	505	188	50	23	14
CFSM	1.96	2.07	5.26	1.57	2.16	3.84	3.68	4.98	1.10	0.19	0.09	0.46
IN.	2.26	2.31	6.06	1.82	2.25	4.43	4.10	5.74	1.23	0.22	0.10	0.51

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2002, BY WATER YEAR (WY)

	MEAN	370.2	683.8	1053	1139	1386	1165	878.7	505.9	282.0	176.3	140.9
MEAN	136.4	370.2	683.8	1053	1139	1386	1165	878.7	505.9	282.0	176.3	140.9
MAX	934	2057	2502	6290	3404	4299	3243	4020	2785	1655	801	551
(WY)	2002	1980	2002	1937	1950	1945	1996	1983	1997	1979	1977	1996
MIN	14.3	20.0	17.6	40.3	78.0	70.8	263	91.2	41.0	44.8	29.8	18.8
(WY)	1965	1964	1964	1977	1934	1941	1934	1934	1936	1954	1964	1953

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

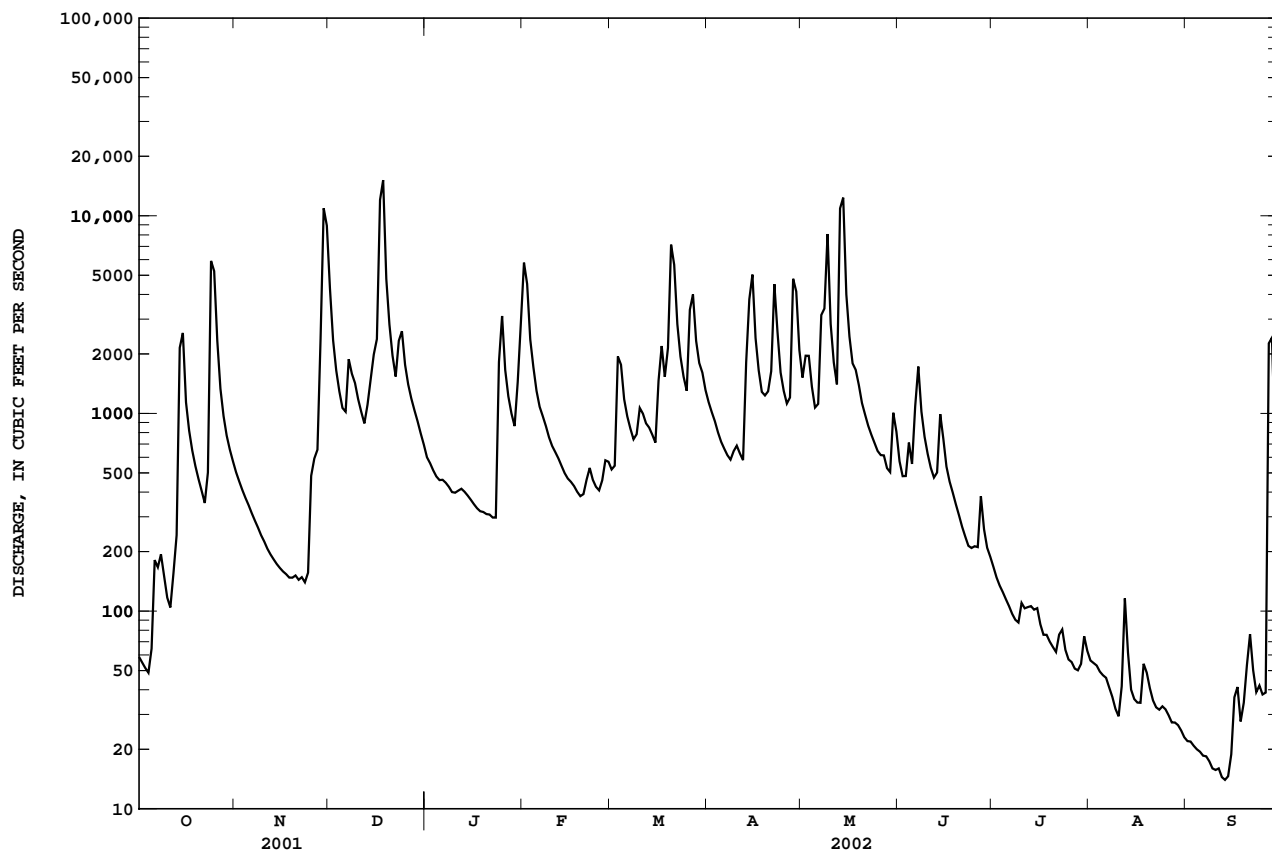
FOR 2002 WATER YEAR

WATER YEARS 1932 - 2002

ANNUAL TOTAL	241659	397023	
ANNUAL MEAN	662.1	1088	657.4
HIGHEST ANNUAL MEAN			1199 1950
LOWEST ANNUAL MEAN			140 1941
HIGHEST DAILY MEAN	15100	Dec 18	15100 Dec 18 27300 Apr 30 1996
LOWEST DAILY MEAN	38	Sep 7	14 Sep 12 9.6 Oct 17 1964
ANNUAL SEVEN-DAY MINIMUM	55	Jul 16	15 Sep 8 11 Oct 12 1964
MAXIMUM PEAK FLOW			16700 Dec 18 29400 Apr 30 1996
MAXIMUM PEAK STAGE			16.61 Dec 18 23.30 Apr 30 1996
ANNUAL RUNOFF (CFSM)	1.39		2.29 1.38
ANNUAL RUNOFF (INCHES)	18.89		31.03 18.77
10 PERCENT EXCEEDS	1450	2400	1480
50 PERCENT EXCEEDS	242	515	257
90 PERCENT EXCEEDS	77	39	37

e Estimated

03303000 BLUE RIVER NEAR WHITE CLOUD, IN--Continued



ANDERSON RIVER BASIN

03303300 MIDDLE FORK ANDERSON RIVER AT BRISTOW, IN

LOCATION.--Lat 38°08'19", long 86°43'16", in NW¹/₄SE¹/₄ sec.27, T.4 S., R.3 W., Perry County, Hydrologic Unit 05140201, (BRISTOW, IN quadrangle), on left bank at downstream side of bridge on State Highway 145 at Bristow, 2.0 mi downstream from Coon Branch, 6.0 mi upstream from Sulphur Fork Creek, and at mile 14.1.

DRAINAGE AREA.--39.8 mi².

PERIOD OF RECORD.--August 1961 to current year.

REVISED RECORDS.--WDR IN-72-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 395.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except for those below 1 ft³/s, which are poor. Flow regulated by U.S. Forest Service and Middle Fork Anderson River Conservancy District control structures beginning June 1967.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Jan. 21, 1959, reached a stage of 20.0 ft, from floodmark, discharge 15,000 ft³/s from rating curve extended above 7,000 ft³/s. This is the maximum flood since 1905, from information by local resident.

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	0.51	21	396	34	436	40	158	237	24	0.56	0.24	0.05
2	0.56	18	370	28	310	83	129	290	18	0.44	0.22	0.04
3	0.58	17	326	25	265	216	108	262	15	0.53	0.18	0.02
4	0.65	16	223	22	192	135	91	209	12	0.57	0.14	0.02
5	4.8	15	97	20	129	105	78	156	40	0.53	0.11	0.0
6	8.6	13	106	21	103	89	67	157	79	0.64	0.08	0.00
7	1.5	13	132	21	88	76	56	193	60	0.89	0.79	0.00
8	0.83	13	121	19	75	65	49	197	41	0.67	3.0	0.00
9	0.62	13	106	19	63	84	66	205	30	0.66	0.37	0.00
10	0.69	13	86	20	54	92	58	181	23	0.98	0.12	0.00
11	3.0	12	71	21	46	76	51	147	18	0.73	0.22	0.00
12	21	11	74	19	40	69	45	140	18	0.60	0.36	0.00
13	11	11	143	18	35	63	157	936	16	0.52	0.34	0.00
14	209	11	188	18	31	55	223	435	14	0.44	0.26	0.00
15	122	11	167	16	28	49	240	398	10	0.41	0.19	0.00
16	76	11	392	14	25	145	217	384	8.0	0.39	0.12	0.00
17	47	10	765	14	22	113	173	377	6.3	0.39	0.10	0.00
18	24	11	458	13	20	90	137	362	4.7	0.39	0.08	0.00
19	11	12	405	13	19	265	129	328	3.7	0.37	0.05	0.00
20	6.2	15	388	13	28	448	119	250	2.9	0.39	0.04	0.09
21	3.5	15	371	13	43	348	105	149	2.4	0.39	0.04	1.7
22	3.0	13	346	13	36	309	116	101	2.0	0.44	0.02	0.82
23	102	13	343	13	31	258	118	78	1.5	0.44	0.05	0.33
24	378	36	264	250	28	172	128	63	1.1	0.44	0.14	0.17
25	326	85	166	168	26	141	149	51	1.1	0.44	0.13	0.10
26	249	77	120	114	50	368	108	41	1.1	0.42	0.20	0.26
27	115	110	98	92	51	292	167	34	0.85	0.38	2.8	77
28	64	332	81	77	43	252	346	38	0.85	0.32	0.87	29
29	42	640	65	65	---	266	284	83	0.71	0.29	0.16	19
30	31	483	50	164	---	263	239	58	0.68	0.30	0.11	13
31	24	---	41	232	---	207	---	35	---	0.25	0.08	---
TOTAL	1887.04	2071	6959	1589	2317	5234	4111	6575	455.89	15.21	11.61	141.60
MEAN	60.87	69.03	224.5	51.26	82.75	168.8	137.0	212.1	15.20	0.491	0.375	4.720
MAX	378	640	765	250	436	448	346	936	79	0.98	3.0	77
MIN	0.51	10	41	13	19	40	45	34	0.68	0.25	0.02	0.00
CFSM	1.53	1.73	5.64	1.29	2.08	4.24	3.44	5.33	0.38	0.01	0.01	0.12
IN.	1.76	1.94	6.50	1.49	2.17	4.89	3.84	6.15	0.43	0.01	0.01	0.13

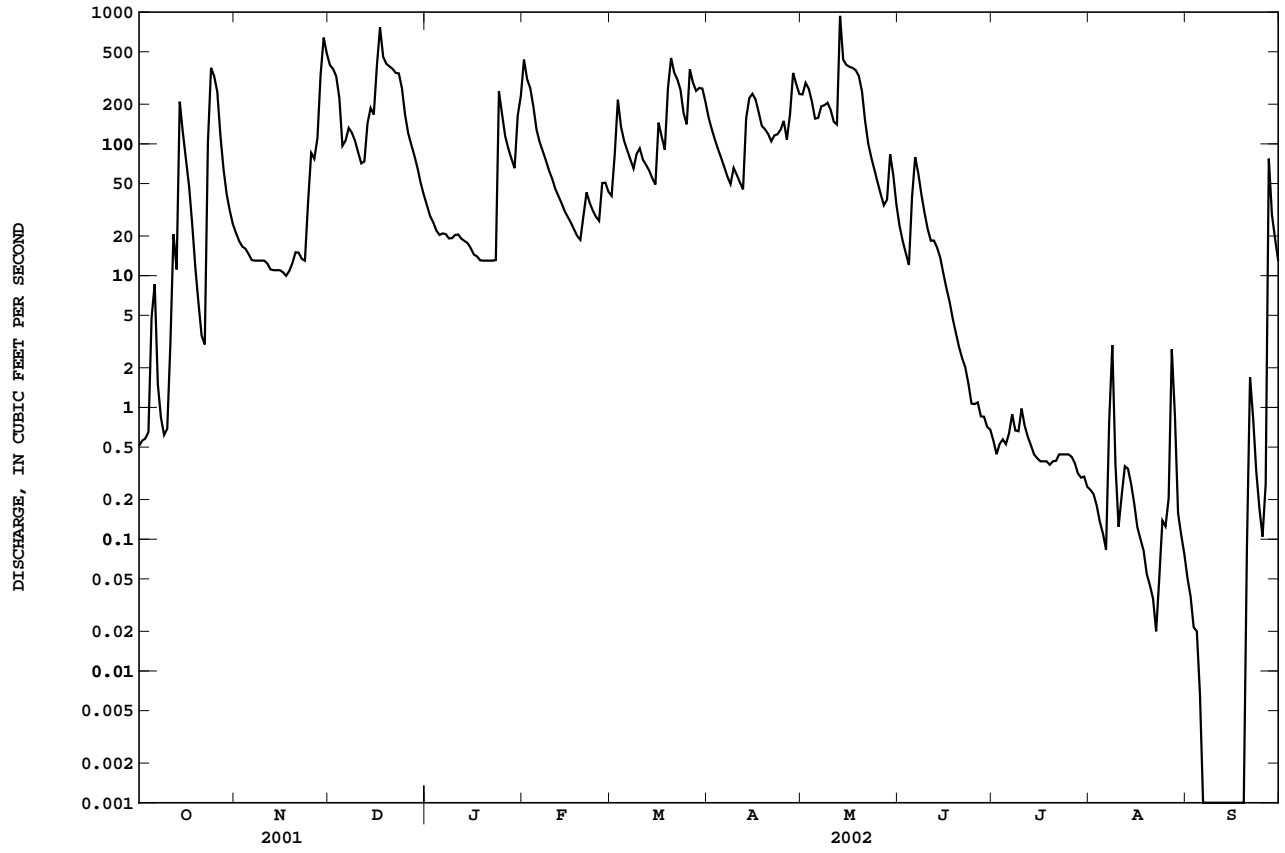
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2002, BY WATER YEAR (WY)

MEAN	9.779	37.33	75.16	80.05	97.61	124.1	110.5	77.16	31.80	16.82	11.40	10.53
MAX	63.7	194	225	223	245	393	312	405	190	141	162	78.8
(WY)	1978	1980	2002	1982	1989	1964	1972	1983	1979	1979	1979	1982
MIN	0.000	0.000	0.000	2.78	5.66	33.4	15.7	2.37	0.82	0.38	0.013	0.000
(WY)	1965	1964	1964	1964	1992	1990	2001	2001	1988	1968	1965	1964

SUMMARY STATISTICS

	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1962 - 2002	
ANNUAL TOTAL	16543.07		31367.35			
ANNUAL MEAN	45.32		85.94		56.65	
HIGHEST ANNUAL MEAN					122	
LOWEST ANNUAL MEAN					15.2	
HIGHEST DAILY MEAN	765		936		4870	
LOWEST DAILY MEAN	0.16		0.00		0.00	
ANNUAL SEVEN-DAY MINIMUM	0.27		0.00		0.00	
MAXIMUM PEAK FLOW			1320		6360	
MAXIMUM PEAK STAGE			15.13		19.33	
ANNUAL RUNOFF (CFSM)	1.14		2.16		1.42	
ANNUAL RUNOFF (INCHES)	15.46		29.32		19.34	
10 PERCENT EXCEEDS	120		264		148	
50 PERCENT EXCEEDS	10		26		15	
90 PERCENT EXCEEDS	0.52		0.14		0.18	

03303300 MIDDLE FORK ANDERSON RIVER AT BRISTOW, IN--Continued



03303400 CROOKED CREEK NEAR SANTA CLAUS, IN

LOCATION.--Lat 38°07'05", long 86°53'24", in SE¹/₄SE¹/₄ sec.31, T.4 S., R.4 W., Spencer County, Hydrologic Unit 05140201, (SANTA CLAUS, IN. quadrangle), on right bank at upstream side of bridge on county road, 1.1 mi east of State Highway 162, 1.3 mi east of Santa Claus Post Office, and 1.8 mi upstream from unnamed right-bank tributary.

DRAINAGE AREA.--7.86 mi².

PERIOD OF RECORD.--October 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is 403.00 ft above National Geodetic Vertical Datum of 1929. Prior to Sept. 30, 1995 datum of gage was 404.34 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except for estimated daily discharges and those below 2 ft³/s, which are poor.

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	0.00	1.6	28	e2.0	222	3.6	13	59	e2.4	0.00	0.00	e0.0
2	0.00	1.4	14	e1.8	32	69	8.9	48	e1.9	0.00	0.00	e0.0
3	0.00	1.3	8.6	e1.7	17	49	6.2	22	e1.5	0.00	0.00	e0.0
4	0.00	1.2	6.2	e1.6	9.8	16	4.7	9.7	e1.1	0.00	0.00	e0.0
5	2.4	1.1	4.5	e1.6	6.8	8.5	3.8	5.3	e1.7	0.0	0.00	e0.0
6	1.4	0.93	46	e1.7	6.2	5.8	3.2	44	e4.0	0.09	0.00	e0.0
7	0.39	0.90	25	e1.5	5.8	4.7	2.8	40	e1.8	0.00	0.00	e0.0
8	0.05	0.97	24	e1.4	4.4	4.9	2.6	68	e1.5	0.00	0.00	e0.0
9	0.02	0.81	12	e2.0	3.7	34	3.5	39	e1.1	0.00	0.00	e0.0
10	0.01	0.89	7.3	2.6	3.7	16	2.5	17	e0.90	0.04	0.00	e0.0
11	3.9	0.94	5.1	2.7	3.1	9.2	2.3	7.9	e0.81	0.00	0.00	e0.0
12	4.1	0.85	28	2.5	2.9	7.5	2.7	39	1.4	0.00	0.00	e0.0
13	2.2	e0.86	40	2.4	2.3	5.9	90	919	6.0	0.00	0.00	e0.0
14	73	e0.85	52	2.4	2.2	4.7	248	56	1.4	0.00	0.00	e0.0
15	5.6	e0.80	22	1.9	2.2	3.8	41	28	0.81	0.00	0.00	e0.0
16	3.3	e0.74	442	1.8	2.1	53	17	17	0.65	0.00	0.00	e0.0
17	2.3	e0.70	504	1.8	1.9	17	9.0	21	0.50	0.00	0.00	e0.0
18	2.0	e0.66	62	1.6	1.8	10	5.8	17	0.34	0.00	0.00	e0.0
19	1.6	1.7	28	2.0	2.0	155	5.5	9.3	0.22	0.00	0.00	e0.03
20	1.4	1.5	16	1.7	9.2	148	6.5	6.9	0.12	0.00	0.00	2.7
21	1.8	1.1	10	2.1	6.0	36	12	5.6	0.09	0.00	0.00	0.85
22	2.0	e1.0	12	2.0	3.2	18	11	5.0	0.26	0.00	0.00	0.02
23	649	e0.90	54	2.5	2.7	11	4.2	4.6	0.09	0.00	0.00	0.00
24	217	16	17	91	2.5	7.8	71	4.4	0.04	0.00	0.00	0.00
25	53	6.7	9.4	23	2.4	34	42	3.9	0.01	0.00	0.00	0.00
26	15	3.2	e6.2	11	25	166	11	3.7	0.0	0.00	0.00	0.14
27	6.6	19	e5.1	7.4	7.1	34	137	3.3	0.00	0.00	e0.0	51
28	3.7	165	4.3	5.6	4.9	19	121	3.7	0.00	0.00	e0.0	1.7
29	2.6	254	3.4	4.3	---	169	26	e17	0.00	0.00	e0.0	0.71
30	2.1	101	e2.5	70	---	47	13	e17	0.00	0.00	e0.0	0.51
31	2.0	---	e2.3	76	---	23	---	e3.7	---	0.00	e0.0	---
TOTAL	1058.47	588.60	1500.9	333.6	394.9	1190.4	927.2	1545.0	30.64	0.13	0.00	57.66
MEAN	34.14	19.62	48.42	10.76	14.10	38.40	30.91	49.84	1.021	0.004	0.000	1.922
MAX	649	254	504	91	222	169	248	919	6.0	0.09	0.00	51
MIN	0.00	0.66	2.3	1.4	1.8	3.6	2.3	3.3	0.00	0.00	0.00	0.00
CFSM	4.34	2.50	6.16	1.37	1.79	4.89	3.93	6.34	0.13	0.00	0.00	0.24
IN.	5.01	2.79	7.10	1.58	1.87	5.63	4.39	7.31	0.15	0.00	0.00	0.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2002, BY WATER YEAR (WY)

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002				
MEAN	3.237	9.483	15.75	15.41	21.11	21.91	20.58	12.51	6.627	4.590	2.647	2.343																									
MAX	34.1	33.5	49.1	43.7	65.0	63.1	65.7	62.0	37.5	47.5	19.4	16.7																									
(WY)	2002	1994	1991	1982	2000	1997	1996	1995	1997	1979	1977	1996																									
MIN	0.000	0.067	0.51	0.058	1.12	5.35	2.27	0.17	0.000	0.001	0.000	0.000																									
(WY)	1988	2000	1977	1977	1992	1990	1976	1988	1988	1974	1983	1970																									

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

WATER YEARS 1970 - 2002

ANNUAL TOTAL	4253.74	7627.50		
ANNUAL MEAN	11.65	20.90	11.29	
HIGHEST ANNUAL MEAN			20.9	2002
LOWEST ANNUAL MEAN			3.97	1992
HIGHEST DAILY MEAN	649	Oct 23	919	May 13
LOWEST DAILY MEAN	0.00	May 16	0.00	Oct 1
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 11	0.00	Jun 26
MAXIMUM PEAK FLOW			3060	Oct 23
MAXIMUM PEAK STAGE			10.95	Oct 23
ANNUAL RUNOFF (CFSM)	1.48		2.66	
ANNUAL RUNOFF (INCHES)	20.13		36.10	
10 PERCENT EXCEEDS	16		45	
50 PERCENT EXCEEDS	1.4		2.3	
90 PERCENT EXCEEDS	0.00		0.00	

e Estimated

03303400 CROOKED CREEK NEAR SANTA CLAUS, IN--Continued

