

03274650 WHITEWATER RIVER NEAR ECONOMY, IN

LOCATION.--Lat 40°00'15", long 85°06'56", in NW $\frac{1}{4}$ NE $\frac{1}{4}$ 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 estimated daily discharges and those below 1.0 ft³/s, which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.57	1.2	26	39	7.6	9.7	8.8	9.0	4.0	10	1.5	3.7
2	0.55	16	15	27	7.4	8.7	23	7.7	4.0	4.8	1.4	2.1
3	0.55	8.1	11	293	7.3	8.4	19	6.9	4.0	3.6	1.4	1.6
4	0.54	5.3	8.7	206	7.2	8.7	13	6.3	3.8	3.1	1.4	1.4
5	0.55	4.0	7.6	534	7.8	11	10	6.0	3.8	2.8	1.5	1.3
6	0.57	2.9	7.3	377	12	13	9.2	5.7	3.6	2.6	1.5	1.3
7	0.54	2.3	60	96	49	12	9.2	5.6	3.4	2.5	1.4	1.2
8	0.54	1.9	34	52	61	9.4	8.7	5.3	3.3	2.3	1.4	1.2
9	0.54	1.6	23	46	38	8.5	8.0	5.3	3.3	2.2	1.4	1.2
10	0.54	1.5	29	49	26	8.2	7.6	5.2	3.3	2.0	1.3	1.2
11	0.54	2.0	38	213	18	8.3	7.2	4.8	3.3	2.0	1.4	1.2
12	0.55	5.0	20	268	14	8.0	7.2	4.7	3.6	2.0	1.5	1.2
13	0.84	2.9	13	184	14	7.7	7.1	4.7	8.9	2.1	1.5	1.2
14	0.84	2.2	9.9	117	43	7.4	6.4	6.7	6.4	2.1	1.5	1.3
15	0.88	2.0	8.5	43	27	7.3	6.1	7.1	4.9	2.0	1.5	1.3
16	0.79	1.8	8.1	30	45	7.1	6.0	5.6	4.3	2.0	1.5	1.3
17	0.76	1.7	7.5	24	27	7.1	5.9	5.1	3.9	2.0	1.5	1.2
18	1.3	1.8	7.3	21	16	7.0	6.0	4.8	3.8	1.9	1.5	6.7
19	e2.1	2.7	6.7	18	13	7.1	5.9	10	3.5	1.8	1.5	3.7
20	e1.3	3.5	e6.1	14	12	7.1	6.0	10	3.3	1.7	1.5	4.8
21	1.1	2.6	e6.0	12	14	6.8	6.8	7.3	3.3	1.7	1.3	3.6
22	0.89	2.3	e5.8	12	12	6.8	36	6.3	3.3	2.0	1.2	2.6
23	0.97	2.7	e5.6	10	11	7.8	167	5.8	3.2	1.8	1.1	2.2
24	2.3	27	e5.5	10	10	7.4	50	5.2	3.2	1.7	1.1	3.2
25	1.6	40	e5.4	10	9.6	12	30	4.9	3.2	1.6	1.1	3.7
26	1.2	16	e5.3	9.8	9.0	17	49	4.7	3.2	1.6	1.2	49
27	1.3	12	e5.2	8.7	8.8	12	35	4.7	3.4	1.7	1.1	19
28	1.4	28	e5.3	8.1	9.3	14	20	4.5	17	1.6	1.1	8.9
29	1.3	13	5.8	8.2	---	13	15	4.4	15	1.5	1.1	5.5
30	1.3	11	15	8.1	---	11	12	4.3	6.9	1.5	2.3	3.5
31	1.2	---	135	7.8	---	9.6	---	4.0	---	1.5	9.8	---
TOTAL	29.95	225.0	546.6	2,755.7	536.0	289.1	601.1	182.6	144.1	73.7	51.5	163.8
MEAN	0.97	7.50	17.6	88.9	19.1	9.33	20.0	5.89	4.80	2.38	1.66	5.46
MAX	2.3	40	135	534	61	17	167	10	17	10	9.8	49
MIN	0.54	1.2	5.2	7.8	7.2	6.8	5.9	4.0	3.2	1.5	1.1	1.2
CFSM	0.09	0.72	1.70	8.55	1.84	0.90	1.93	0.57	0.46	0.23	0.16	0.53
IN.	0.11	0.80	1.96	9.86	1.92	1.03	2.15	0.65	0.52	0.26	0.18	0.59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2005, BY WATER YEAR (WY)

MEAN	4.74	10.5	12.7	15.5	17.3	19.3	18.7	14.4	9.48	8.41	4.46	4.10
MAX	39.9	67.0	39.7	88.9	56.0	41.6	46.0	58.4	24.8	63.2	61.5	40.8
(WY)	(1987)	(1994)	(1978)	(2005)	(1985)	(1978)	(1996)	(1996)	(1998)	(2003)	(1979)	(2003)
MIN	0.14	0.10	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

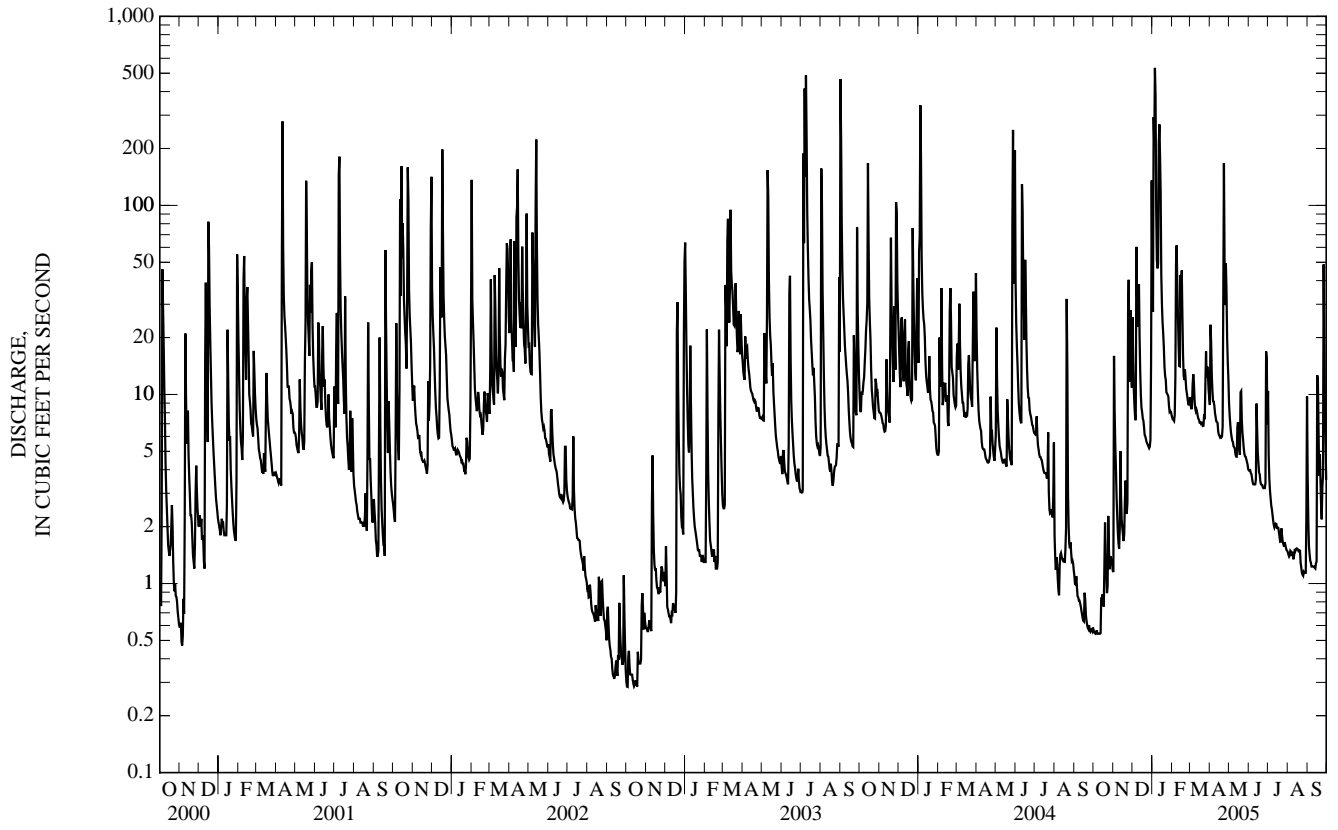
FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1971 - 2005

ANNUAL TOTAL	4,547.68	5,599.15	
ANNUAL MEAN	12.4	15.3	11.6
HIGHEST ANNUAL MEAN			18.8
LOWEST ANNUAL MEAN			3.26
HIGHEST DAILY MEAN	338	Jan 4	534
LOWEST DAILY MEAN	0.54	Oct 4	0.54
ANNUAL SEVEN-DAY MINIMUM	0.55	Oct 4	0.55
MAXIMUM PEAK FLOW			713
MAXIMUM PEAK STAGE			7.81
INSTANTANEOUS LOW FLOW			0.54
ANNUAL RUNOFF (CFSM)	1.19		1.48
ANNUAL RUNOFF (INCHES)	16.27		20.03
10 PERCENT EXCEEDS	25		27
50 PERCENT EXCEEDS	5.7		5.6
90 PERCENT EXCEEDS	0.83		1.2

e Estimated



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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	117	130	621	3,980	631	642	645	751	376	1,940	183	365
2	115	172	765	1,750	621	605	655	677	370	881	176	241
3	113	374	625	6,200	614	584	861	625	371	538	170	193
4	114	347	530	11,000	598	578	718	583	361	428	166	169
5	113	303	474	14,100	596	586	637	550	350	368	168	156
6	113	268	441	24,500	647	630	590	528	341	333	177	146
7	113	240	490	7,150	856	645	595	513	326	304	169	139
8	113	216	996	3,130	2,720	610	597	496	318	281	162	134
9	113	199	742	2,470	1,930	559	558	478	311	266	158	132
10	110	191	711	2,390	1,550	536	529	466	314	252	153	123
11	110	195	798	2,990	1,120	533	509	456	333	242	151	118
12	112	235	818	11,700	938	528	492	527	449	238	149	114
13	125	297	666	5,890	860	508	488	507	1,400	253	146	112
14	124	258	548	6,950	1,430	486	461	921	811	252	146	110
15	124	230	480	2,640	1,800	473	437	1,410	548	245	151	110
16	119	217	444	1,810	1,360	463	420	823	451	481	156	132
17	116	208	424	1,440	1,520	459	411	660	390	520	151	195
18	157	202	403	1,230	1,040	453	407	580	353	373	150	153
19	173	220	386	1,150	859	447	399	552	329	310	144	137
20	151	246	345	1,070	796	450	391	903	310	272	138	146
21	142	279	349	997	808	438	406	693	292	257	141	138
22	135	256	347	927	786	431	455	597	279	401	137	133
23	138	241	e335	e800	732	471	3,070	573	264	321	131	127
24	150	299	e320	e770	701	469	3,110	520	254	258	127	122
25	146	1,170	e310	e765	671	469	1,570	485	247	235	124	126
26	143	893	e305	786	645	583	1,250	460	238	218	125	201
27	143	649	e300	738	616	620	2,490	441	249	224	127	387
28	138	747	e290	685	623	1,230	1,300	428	444	214	130	269
29	134	768	e300	688	---	1,320	979	411	712	201	124	220
30	134	605	373	679	---	870	859	401	602	192	174	189
31	129	---	4,300	652	---	731	---	390	---	187	430	---
TOTAL	3,977	10,655	19,236	122,027	28,068	18,407	26,289	18,405	12,393	11,485	4,934	5,037
MEAN	128	355	621	3,936	1,002	594	876	594	413	370	159	168
MAX	173	1,170	4,300	24,500	2,720	1,320	3,110	1,410	1,400	1,940	430	387
MIN	110	130	290	652	596	431	391	390	238	187	124	110
CFSM	0.25	0.68	1.19	7.54	1.92	1.14	1.68	1.14	0.79	0.71	0.30	0.32
IN.	0.28	0.76	1.37	8.70	2.00	1.31	1.87	1.31	0.88	0.82	0.35	0.36

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2005, BY WATER YEAR (WY)

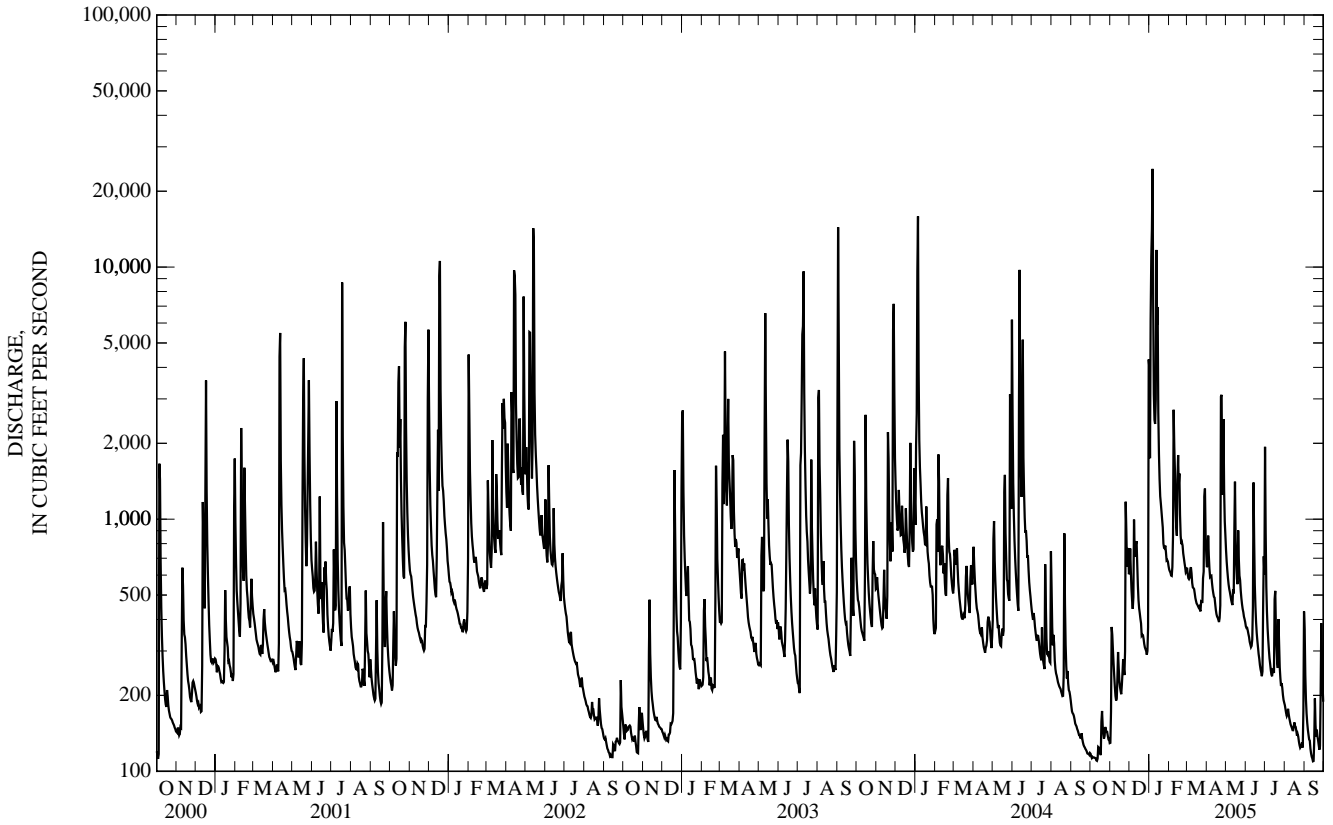
MEAN	207	360	562	863	858	988	999	790	563	383	244	190
MAX	1,685	1,978	2,531	4,409	2,639	2,522	2,665	3,763	2,609	1,777	2,342	1,362
(WY)	(1987)	(1994)	(1991)	(1937)	(1950)	(1963)	(2002)	(1996)	(1998)	(1979)	(1979)	(2003)
MIN	47.1	49.8	50.6	58.9	56.9	120	122	70.0	68.9	61.1	61.3	50.3
(WY)	(1935)	(1935)	(1935)	(1935)	(1935)	(1935)	(1941)	(1941)	(1934)	(1934)	(1988)	(1934)

GREAT MIAMI RIVER BASIN

03275000 WHITEWATER RIVER NEAR ALPINE, IN—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1929 - 2005	
ANNUAL TOTAL	239,000		280,913		582	
ANNUAL MEAN	653		770		1,066	
HIGHEST ANNUAL MEAN					117	2002
LOWEST ANNUAL MEAN					117	1941
HIGHEST DAILY MEAN	15,900	Jan 5	24,500	Jan 6	26,300	Mar 5, 1963
LOWEST DAILY MEAN	110	Oct 10	110	Oct 10	30	Aug 6, 1934
ANNUAL SEVEN-DAY MINIMUM	112	Oct 6	112	Oct 6	33	Aug 2, 1934
MAXIMUM PEAK FLOW			27,600		37,100	Jan 14, 1937
MAXIMUM PEAK STAGE			20.94		20.94	Jan 6, 2005
ANNUAL RUNOFF (CFSM)	1.25		1.47		1.12	
ANNUAL RUNOFF (INCHES)	17.03		20.02		15.16	
10 PERCENT EXCEEDS	1,000		1,230		1,160	
50 PERCENT EXCEEDS	398		411		284	
90 PERCENT EXCEEDS	136		132		89	

e Estimated



03275600 EAST FORK WHITEWATER RIVER AT ABINGTON, IN

LOCATION.--Lat 39°43'57", long 84°57'35", in NE $\frac{1}{4}$ SW $\frac{1}{4}$ 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 fair except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	42	270	1,640	e210	263	277	324	106	2,730	41	153
2	25	134	268	852	e200	232	326	285	104	532	39	70
3	26	136	198	4,640	e200	217	387	257	104	319	37	42
4	27	112	155	3,780	e200	216	303	233	98	232	34	32
5	27	100	135	8,500	e200	234	260	214	93	186	56	26
6	26	78	130	9,160	265	276	232	200	95	159	42	23
7	27	67	235	1,820	576	273	250	189	80	136	39	21
8	27	61	357	1,350	1,580	242	238	176	74	120	36	20
9	30	56	237	1,110	891	209	208	169	71	105	34	18
10	27	51	214	1,040	655	199	194	168	97	97	32	17
11	32	71	289	2,460	455	199	184	157	92	85	31	16
12	33	160	268	5,100	377	198	174	341	90	83	32	18
13	66	122	205	2,330	347	180	176	216	498	97	29	19
14	62	93	156	2,600	725	169	155	487	235	94	42	19
15	51	84	134	1,040	731	166	143	646	155	88	35	21
16	44	75	128	773	618	164	137	347	128	154	37	159
17	44	72	120	e510	577	159	131	264	102	123	34	111
18	103	72	111	e480	403	156	130	220	89	98	36	52
19	95	124	103	e450	333	157	126	254	81	83	41	35
20	57	178	84	e410	314	163	122	410	76	70	54	108
21	51	150	93	e380	338	151	147	281	68	66	51	59
22	43	123	94	e350	318	144	309	228	63	253	31	41
23	53	108	e95	e320	286	217	3,080	226	57	103	29	32
24	90	208	e90	e300	275	194	1,340	182	55	76	28	28
25	57	815	e90	e280	258	224	725	163	51	65	26	26
26	54	346	e90	e260	247	331	759	150	116	59	27	175
27	51	223	91	e250	230	285	1,100	142	146	71	29	108
28	47	246	83	e240	246	1,060	543	136	925	62	30	66
29	46	207	91	e230	---	814	410	124	397	51	26	67
30	50	174	171	e220	---	451	383	118	400	46	254	48
31	44	---	3,150	e210	---	343	---	113	---	42	474	---
TOTAL	1,443	4,488	7,935	53,085	12,055	8,286	12,949	7,420	4,746	6,485	1,766	1,630
MEAN	46.5	150	256	1,712	431	267	432	239	158	209	57.0	54.3
MAX	103	815	3,150	9,160	1,580	1,060	3,080	646	925	2,730	474	175
MIN	25	42	83	210	200	144	122	113	51	42	26	16
CFSM	0.23	0.75	1.28	8.56	2.15	1.34	2.16	1.20	0.79	1.05	0.28	0.27
IN.	0.27	0.83	1.48	9.87	2.24	1.54	2.41	1.38	0.88	1.21	0.33	0.30

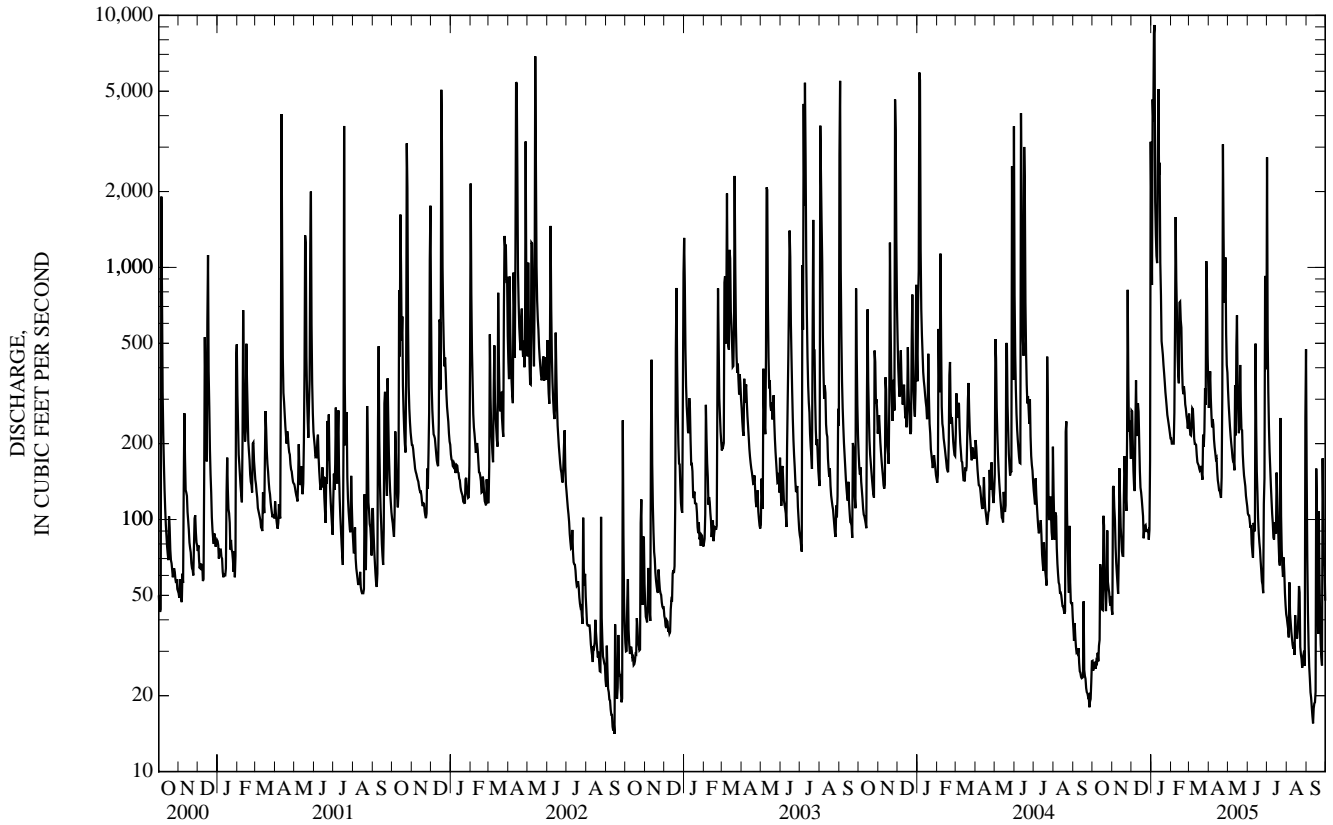
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2005, BY WATER YEAR (WY)

MEAN	87.9	173	276	315	313	364	391	347	215	174	110	66.9
MAX	615	732	929	1,712	901	884	1,052	1,049	789	790	773	501
(WY)	(1987)	(1994)	(1991)	(2005)	(1975)	(1978)	(2002)	(1968)	(1998)	(2003)	(1979)	(2003)
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)

03275600 EAST FORK WHITEWATER RIVER AT ABINGTON, IN—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1966 - 2005	
ANNUAL TOTAL	93,102		122,288			
ANNUAL MEAN	254		335		236	
HIGHEST ANNUAL MEAN					388	1979
LOWEST ANNUAL MEAN					92.3	1977
HIGHEST DAILY MEAN	5,930	Jan 4	9,160	Jan 6	10,100	Jan 22, 1999
LOWEST DAILY MEAN	18	Sep 26	16	Sep 11	10	Sep 17, 1999
ANNUAL SEVEN-DAY MINIMUM	20	Sep 22	18	Sep 8	11	Sep 22, 1999
MAXIMUM PEAK FLOW			14,400	Jan 6	20,000	Jul 20, 1969
MAXIMUM PEAK STAGE			15.36	Jan 6	16.18	Jul 20, 1969
INSTANTANEOUS LOW FLOW			15	Sep 10	10	Sep 17, 1969
ANNUAL RUNOFF (CFSM)	1.27		1.68		1.18	
ANNUAL RUNOFF (INCHES)	17.32		22.75		16.02	
10 PERCENT EXCEEDS	364		556		457	
50 PERCENT EXCEEDS	136		146		117	
90 PERCENT EXCEEDS	33		32		33	

e Estimated



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, 20.6°C, Oct. 4 - 8, minimum, 2.9°C, Jan. 28 - Feb. 5.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	15.6	14.6	15.5	15.6	15.5	15.6	11.7	11.7	11.7	5.8	4.8	5.3
2	15.6	15.6	15.6	15.6	15.6	15.6	11.7	10.7	11.2	4.8	4.8	4.8
3	15.6	15.6	15.6	15.6	15.6	15.6	10.7	10.7	10.7	5.8	4.8	5.3
4	20.6	15.6	18.3	15.6	15.6	15.6	10.7	10.7	10.7	6.8	4.8	5.5
5	20.6	20.6	20.6	15.6	15.6	15.6	10.7	10.7	10.7	6.8	5.8	6.0
6	20.6	19.6	20.0	15.6	15.6	15.6	10.7	10.7	10.7	5.8	5.8	5.8
7	20.6	19.6	19.9	15.6	15.6	15.6	10.7	9.7	10.1	5.8	5.8	5.8
8	20.6	19.6	19.8	15.6	15.6	15.6	11.7	9.7	10.3	5.8	5.8	5.8
9	19.6	16.6	17.5	15.6	14.6	15.0	10.7	9.7	10.1	5.8	5.8	5.8
10	17.6	16.6	16.7	14.6	14.6	14.6	9.7	9.7	9.7	5.8	5.8	5.8
11	17.6	17.6	17.6	14.6	14.6	14.6	9.7	9.7	9.7	5.8	4.8	5.2
12	17.6	17.6	17.6	14.6	14.6	14.6	9.7	9.7	9.7	5.8	4.8	5.4
13	18.5	17.5	18.1	14.6	13.6	14.0	9.7	9.7	9.7	5.8	5.8	5.8
14	18.5	18.5	18.5	13.6	13.6	13.6	9.7	8.7	9.5	5.8	5.8	5.8
15	18.5	18.5	18.5	13.6	13.6	13.6	9.7	8.7	8.8	5.8	5.8	5.8
16	18.5	18.5	18.5	13.6	12.6	13.2	8.7	8.7	8.7	5.9	4.9	5.6
17	18.5	18.5	18.5	13.6	12.6	12.7	8.7	8.7	8.7	4.9	4.9	4.9
18	18.5	17.5	17.6	13.6	12.6	12.7	8.7	8.7	8.7	4.9	4.9	4.9
19	17.5	17.5	17.5	12.6	12.6	12.6	8.7	7.7	8.0	4.9	4.9	4.9
20	17.5	16.5	17.4	12.6	12.6	12.6	7.7	7.7	7.7	4.9	4.9	4.9
21	16.5	16.5	16.5	12.6	12.6	12.6	7.7	7.7	7.7	4.9	4.9	4.9
22	16.5	15.5	16.3	12.6	12.6	12.6	7.8	6.8	7.1	4.9	3.9	4.8
23	15.5	15.5	15.5	12.6	12.6	12.6	6.8	6.8	6.8	3.9	3.9	3.9
24	15.5	15.5	15.5	12.6	12.6	12.6	6.8	5.8	6.0	3.9	3.9	3.9
25	15.5	15.5	15.5	12.6	12.6	12.6	5.8	5.8	5.8	3.9	3.9	3.9
26	15.5	15.5	15.5	12.6	11.6	11.9	5.8	5.8	5.8	3.9	3.9	3.9
27	15.5	15.5	15.5	11.7	11.7	11.7	5.8	5.8	5.8	3.9	3.9	3.9
28	15.5	15.5	15.5	11.7	11.7	11.7	5.8	5.8	5.8	3.9	2.9	3.2
29	15.5	15.5	15.5	11.7	11.7	11.7	5.8	4.8	5.6	3.9	2.9	3.4
30	15.5	15.5	15.5	11.7	11.7	11.7	4.8	4.8	4.8	3.9	2.9	3.4
31	15.5	15.5	15.5	---	---	---	5.8	4.8	5.2	2.9	2.9	2.9
MONTH	20.6	14.6	17.1	15.6	11.6	13.7	11.7	4.8	8.4	6.8	2.9	4.9

GREAT MIAMI RIVER BASIN

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 fair except estimated daily discharges, which are poor. 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	490	660	e1,470	6,440	5,240	1,580	1,850	2,120	802	2,680	338	785
2	490	670	1,560	4,210	5,190	1,460	1,880	1,900	809	2,920	330	546
3	490	851	1,390	10,600	5,150	1,370	2,190	1,780	847	2,210	320	540
4	334	988	1,170	11,100	4,920	1,300	2,130	1,770	783	1,920	312	506
5	199	927	1,070	20,900	4,680	1,280	2,000	1,680	759	1,770	310	379
6	198	868	1,010	36,100	3,820	1,280	1,860	1,590	710	1,680	343	276
7	198	816	999	17,700	3,200	1,360	1,850	1,420	644	1,610	333	237
8	202	778	1,460	6,910	5,660	1,340	1,850	1,340	593	967	311	225
9	571	749	1,410	5,360	4,860	1,200	1,620	1,270	557	610	296	216
10	780	731	1,550	4,620	4,240	1,110	1,490	1,180	532	541	284	210
11	778	730	1,670	5,890	3,620	1,030	1,300	1,130	563	486	277	203
12	777	829	1,880	12,000	3,260	929	1,110	1,410	e615	459	268	197
13	802	913	1,630	10,600	3,090	817	1,120	1,300	5,900	457	262	192
14	799	879	1,290	10,200	3,780	744	1,040	3,140	3,320	541	256	189
15	655	829	838	5,300	4,500	689	865	4,190	2,290	e666	259	185
16	574	799	853	3,900	3,930	627	791	3,320	1,660	811	279	204
17	571	709	791	3,050	3,960	610	748	2,890	1,190	1,070	263	233
18	778	e547	720	3,510	3,180	600	711	2,160	945	935	257	253
19	1,270	e760	718	4,880	2,730	599	680	1,660	853	727	396	228
20	788	e904	586	5,450	2,550	604	653	2,470	785	612	357	337
21	722	e829	e499	5,640	2,520	588	661	2,610	739	547	307	524
22	676	e770	e479	5,740	2,300	581	744	1,820	696	837	269	596
23	667	e723	e457	5,640	1,920	1,150	4,040	1,670	665	1,020	247	581
24	742	e561	e431	5,890	1,740	1,100	5,580	1,390	627	845	233	537
25	739	1,120	e423	6,070	1,660	812	4,060	1,210	571	597	224	586
26	696	1,740	e412	6,030	1,580	810	3,640	1,060	497	478	221	635
27	683	1,500	e401	5,990	1,490	968	4,900	1,020	482	428	206	643
28	677	1,520	e394	5,930	1,450	7,990	3,850	1,050	546	417	200	515
29	671	1,640	e507	5,920	---	4,400	2,960	1,000	1,290	396	196	433
30	668	e1,390	911	5,870	---	2,950	2,440	965	e1,660	373	266	378
31	659	---	6,560	5,610	---	2,310	---	923	---	351	1,310	---
TOTAL	19,344	27,730	35,539	253,050	96,220	44,188	60,613	54,438	32,930	29,961	9,730	11,569
MEAN	624	924	1,146	8,163	3,436	1,425	2,020	1,756	1,098	966	314	386
MAX	1,270	1,740	6,560	36,100	5,660	7,990	5,580	4,190	5,900	2,920	1,310	785
MIN	198	547	394	3,050	1,450	581	653	923	482	351	196	185
CFSM	0.51	0.76	0.94	6.67	2.81	1.16	1.65	1.43	0.90	0.79	0.26	0.32
IN.	0.59	0.84	1.08	7.69	2.92	1.34	1.84	1.65	1.00	0.91	0.30	0.35

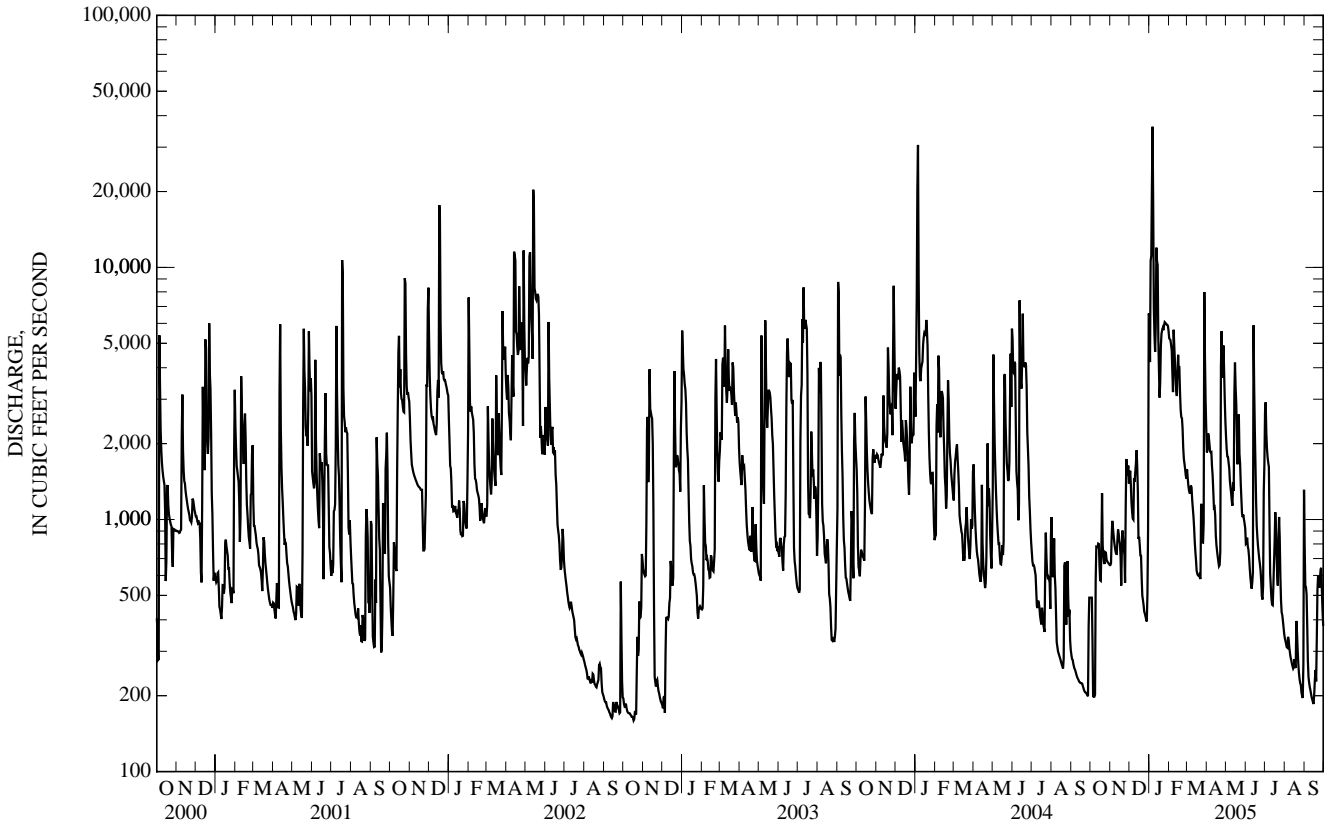
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2005, BY WATER YEAR (WY)

MEAN	511	943	1,327	2,036	2,006	2,234	2,162	1,795	1,287	790	501	420
MAX	2,796	4,160	5,468	9,401	6,290	5,909	5,146	8,618	5,273	3,390	4,271	4,239
(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)

03276500 WHITEWATER RIVER AT BROOKVILLE, IN—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1916 - 2005	
ANNUAL TOTAL	557,473		675,312			
ANNUAL MEAN	1,523		1,850		1,331	
HIGHEST ANNUAL MEAN					2,398	1996
LOWEST ANNUAL MEAN					271	1941
HIGHEST DAILY MEAN	30,600	Jan 5	36,100	Jan 6	55,000	Jan 21, 1959
LOWEST DAILY MEAN	198	Oct 6	185	Sep 15	60	Jul 27, 1934
ANNUAL SEVEN-DAY MINIMUM	204	Sep 21	197	Sep 10	66	Sep 25, 1941
MAXIMUM PEAK FLOW			40,100	Jan 6	81,800	Jan 21, 1959
MAXIMUM PEAK STAGE			19.29	Jan 6	27.78	Jan 21, 1959
INSTANTANEOUS LOW FLOW			195	Oct 6	195	Oct 6, 2004
ANNUAL RUNOFF (CFSM)	1.24		1.51		1.09	
ANNUAL RUNOFF (INCHES)	16.94		20.52		14.77	
10 PERCENT EXCEEDS	3,820		4,870		2,950	
50 PERCENT EXCEEDS	829		853		650	
90 PERCENT EXCEEDS	282		291		170	

e Estimated



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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.11	22	70	190	17	30	38	23	e3.9	0.77	0.10	31
2	0.14	203	44	100	17	21	38	19	e3.6	0.32	0.08	17
3	0.11	107	34	890	18	21	34	16	e3.4	0.21	0.06	11
4	0.11	54	29	456	24	20	27	14	e3.1	0.15	0.04	8.1
5	0.11	38	24	1,410	31	19	24	13	e2.7	0.12	0.02	6.4
6	0.06	29	37	922	29	15	21	11	e2.3	0.11	0.03	5.2
7	0.00	24	113	137	55	18	32	10	e2.0	0.09	0.02	4.4
8	0.00	19	61	148	273	23	51	10	e1.7	0.06	0.01	3.7
9	0.00	16	122	86	87	17	32	8.8	e1.5	0.05	0.01	3.3
10	0.00	15	114	60	54	16	26	8.3	e1.3	0.03	0.01	2.8
11	0.00	484	63	153	37	16	22	7.9	e1.3	0.03	4.7	2.3
12	0.06	343	48	147	32	16	21	8.4	e2.6	0.04	10	1.9
13	0.38	74	36	339	52	14	82	7.6	38	0.10	1.1	1.6
14	0.43	42	28	196	110	12	45	33	53	0.11	1.3	1.4
15	0.79	31	24	76	59	12	30	25	21	0.10	1.6	1.3
16	0.98	26	24	53	42	11	24	13	e8.4	0.41	1.1	1.7
17	0.89	22	21	43	33	11	21	9.8	e6.0	7.7	0.86	2.9
18	836	20	19	43	26	11	18	8.4	e4.3	3.9	0.91	2.2
19	185	373	18	43	22	11	15	135	e2.9	0.84	548	1.8
20	38	118	e17	37	22	11	13	110	e2.0	0.53	31	12
21	22	54	e16	22	24	9.7	12	40	e1.4	4.4	16	8.1
22	16	40	e16	21	19	9.5	15	25	e1.0	63	9.7	4.8
23	18	34	e15	21	17	20	134	18	e0.82	7.0	6.6	11
24	50	73	e14	21	17	18	54	13	e0.62	2.6	4.8	35
25	28	80	e14	20	16	15	32	10	e0.52	1.2	3.6	12
26	32	42	e14	19	15	14	116	8.8	e0.40	0.63	3.4	117
27	84	35	e14	19	14	15	94	e6.5	e3.1	0.40	4.1	30
28	38	67	e24	19	18	1,020	47	e6.7	e2.5	0.32	3.3	14
29	27	40	e40	19	---	159	35	e5.5	0.71	0.23	2.5	10
30	25	35	e140	18	---	75	29	e4.8	0.41	0.18	341	6.9
31	21	---	700	17	---	52	---	e4.5	---	0.13	112	---
TOTAL	1,424.17	2,560	1,953	5,745	1,180	1,732.2	1,182	634.0	176.48	95.76	1,107.95	370.8
MEAN	45.9	85.3	63.0	185	42.1	55.9	39.4	20.5	5.88	3.09	35.7	12.4
MAX	836	484	700	1,410	273	1,020	134	135	53	63	548	117
MIN	0.00	15	14	17	14	9.5	12	4.5	0.40	0.03	0.01	1.3
CFSM	1.67	3.10	2.29	6.74	1.53	2.03	1.43	0.74	0.21	0.11	1.30	0.45
IN.	1.93	3.46	2.64	7.77	1.60	2.34	1.60	0.86	0.24	0.13	1.50	0.50

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2005, BY WATER YEAR (WY)

MEAN	13.6	35.2	53.2	55.5	57.3	65.6	61.4	52.4	31.1	15.7	14.1	11.7
MAX	104	137	173	185	136	134	216	198	152	60.5	78.9	81.9
(WY)	(2002)	(1980)	(1991)	(2005)	(1990)	(1975)	(1996)	(1996)	(1996)	(2000)	(1995)	(2001)
MIN	0.00	0.00	3.95	0.60	5.24	11.7	5.68	3.82	0.44	0.12	0.00	0.00
(WY)	(1988)	(2000)	(1977)	(1977)	(1992)	(1983)	(2001)	(1992)	(1988)	(1975)	(1999)	(1987)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

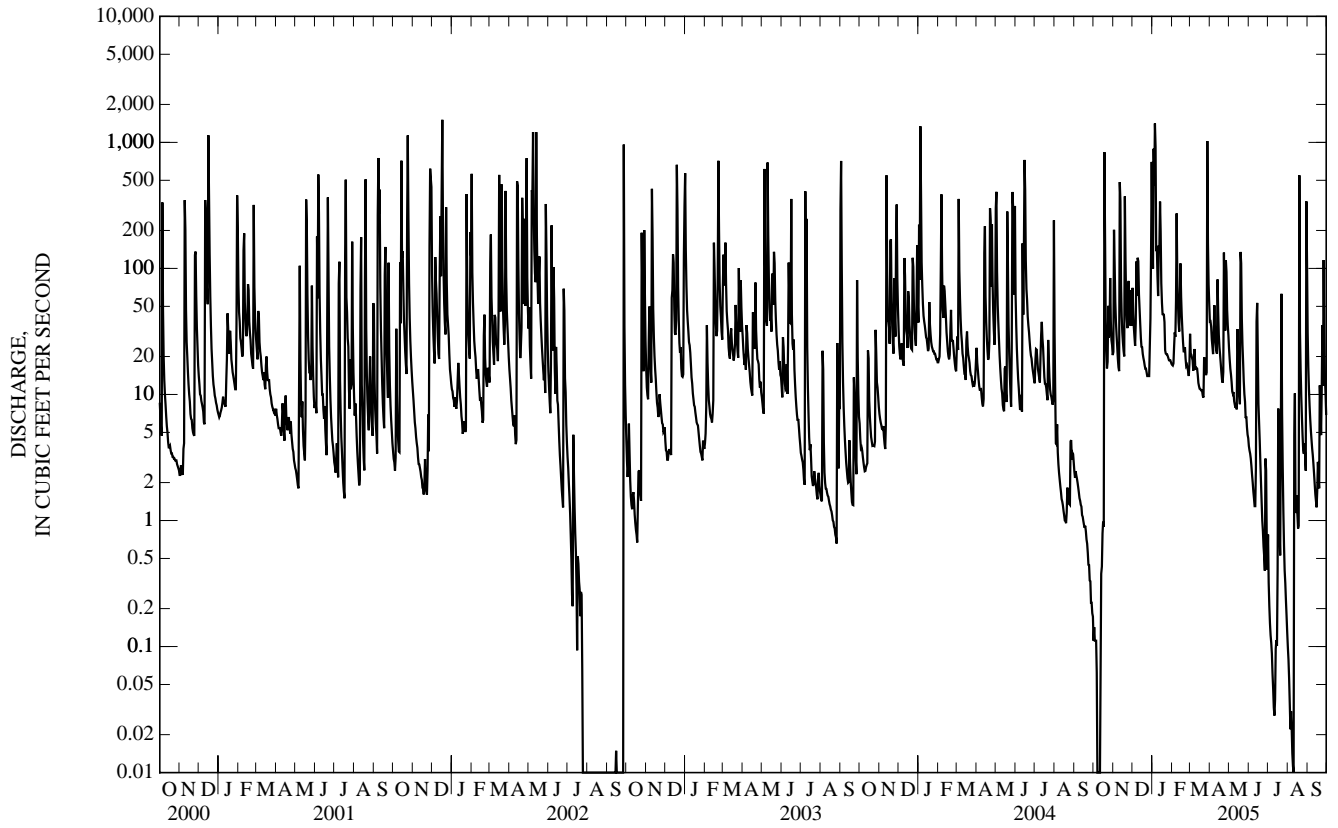
FOR 2005 WATER YEAR

WATER YEARS 1970 - 2005

ANNUAL TOTAL	18,981.90	18,161.36				
ANNUAL MEAN	51.9	49.8	38.8			
HIGHEST ANNUAL MEAN			77.2			
LOWEST ANNUAL MEAN			17.0			
HIGHEST DAILY MEAN	1,340	Jan 4	1,410	Jan 5	2,370	Apr 29, 1996
LOWEST DAILY MEAN	0.00	Oct 7	0.00	Oct 7	0.00	Oct 1, 1969
ANNUAL SEVEN-DAY MINIMUM	0.02	Oct 6	0.02	Oct 6	0.00	Jun 27, 1970
MAXIMUM PEAK FLOW			2,890	Jan 5	7,800	May 16, 1990
MAXIMUM PEAK STAGE			8.16	Jan 5	11.34	May 16, 1990
ANNUAL RUNOFF (CFSM)	1.89		1.81		1.41	
ANNUAL RUNOFF (INCHES)	25.68		24.57		19.17	
10 PERCENT EXCEEDS	112		103		81	
50 PERCENT EXCEEDS	20		17		9.4	
90 PERCENT EXCEEDS	1.1		0.20		0.11	

e Estimated

03291780 INDIAN-KENTUCK CREEK NEAR CANAAN, IN—Continued



SILVER CREEK BASIN

03294000 SILVER CREEK NEAR SELLERSBURG, IN

LOCATION.--Lat 38°22'14", 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 good except for daily discharges below 10 ft³/s, which are poor. Some regulation by Deam Lake.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	126	503	2,350	e97	240	379	169	23	11	2.7	163
2	1.8	922	346	1,100	e96	184	329	125	23	9.9	2.6	72
3	1.5	974	261	3,070	e97	159	289	102	26	9.8	2.7	46
4	1.3	355	213	4,900	e96	149	242	88	35	6.8	3.4	32
5	1.1	241	180	4,070	e96	161	213	78	31	5.1	3.2	22
6	0.84	174	180	5,920	106	163	190	70	27	4.6	2.2	17
7	0.73	139	622	4,000	117	156	205	63	20	4.2	2.1	15
8	0.56	113	588	1,750	676	312	231	56	17	3.4	2.3	13
9	0.54	90	354	1,050	467	210	181	52	14	3.1	2.3	48
10	0.70	76	548	654	350	175	156	47	32	2.6	2.2	41
11	0.58	910	353	664	263	164	139	48	34	2.8	1.9	18
12	0.91	4,360	292	1,260	227	165	140	43	44	9.9	6.2	12
13	3.2	1,520	236	898	354	167	529	38	538	22	10	7.2
14	4.7	456	189	1,720	800	140	343	80	133	21	16	4.8
15	5.9	292	159	747	472	134	231	191	99	15	17	8.0
16	6.8	226	142	486	343	122	183	92	58	16	13	10
17	6.2	191	133	e330	269	108	156	66	38	20	11	7.0
18	52	166	123	e250	223	100	139	51	29	16	12	3.5
19	472	970	115	e230	194	95	122	53	24	37	14	2.0
20	118	896	100	e200	187	94	107	796	20	17	16	9.9
21	53	421	e92	e180	244	85	93	301	16	10	14	15
22	35	293	e86	e160	220	83	89	155	18	29	11	14
23	29	246	e80	e150	181	153	112	108	12	36	8.9	11
24	53	491	e76	e140	176	346	156	78	7.7	20	11	5.7
25	56	598	e73	e130	188	212	110	61	6.6	17	11	2.8
26	36	320	e70	e120	172	180	104	53	5.3	10	6.8	10
27	289	250	e76	e110	153	239	254	45	4.6	6.9	4.3	25
28	169	397	e90	e105	162	4,030	154	40	5.1	6.1	4.1	17
29	93	295	e180	e102	---	3,910	146	37	6.4	5.1	44	15
30	71	250	1,030	e100	---	915	200	31	6.8	4.4	530	16
31	83	---	3,050	e98	---	540	---	24	---	3.1	739	---
TOTAL	1,648.16	16,758	10,540	37,044	7,026	13,891	5,922	3,241	1,353.5	384.8	1,526.9	682.9
MEAN	53.2	559	340	1,195	251	448	197	105	45.1	12.4	49.3	22.8
MAX	472	4,360	3,050	5,920	800	4,030	529	796	538	37	739	163
MIN	0.54	76	70	98	96	83	89	24	4.6	2.6	1.9	2.0
CFSM	0.28	2.96	1.80	6.32	1.33	2.37	1.04	0.55	0.24	0.07	0.26	0.12
IN.	0.32	3.30	2.07	7.29	1.38	2.73	1.17	0.64	0.27	0.08	0.30	0.13

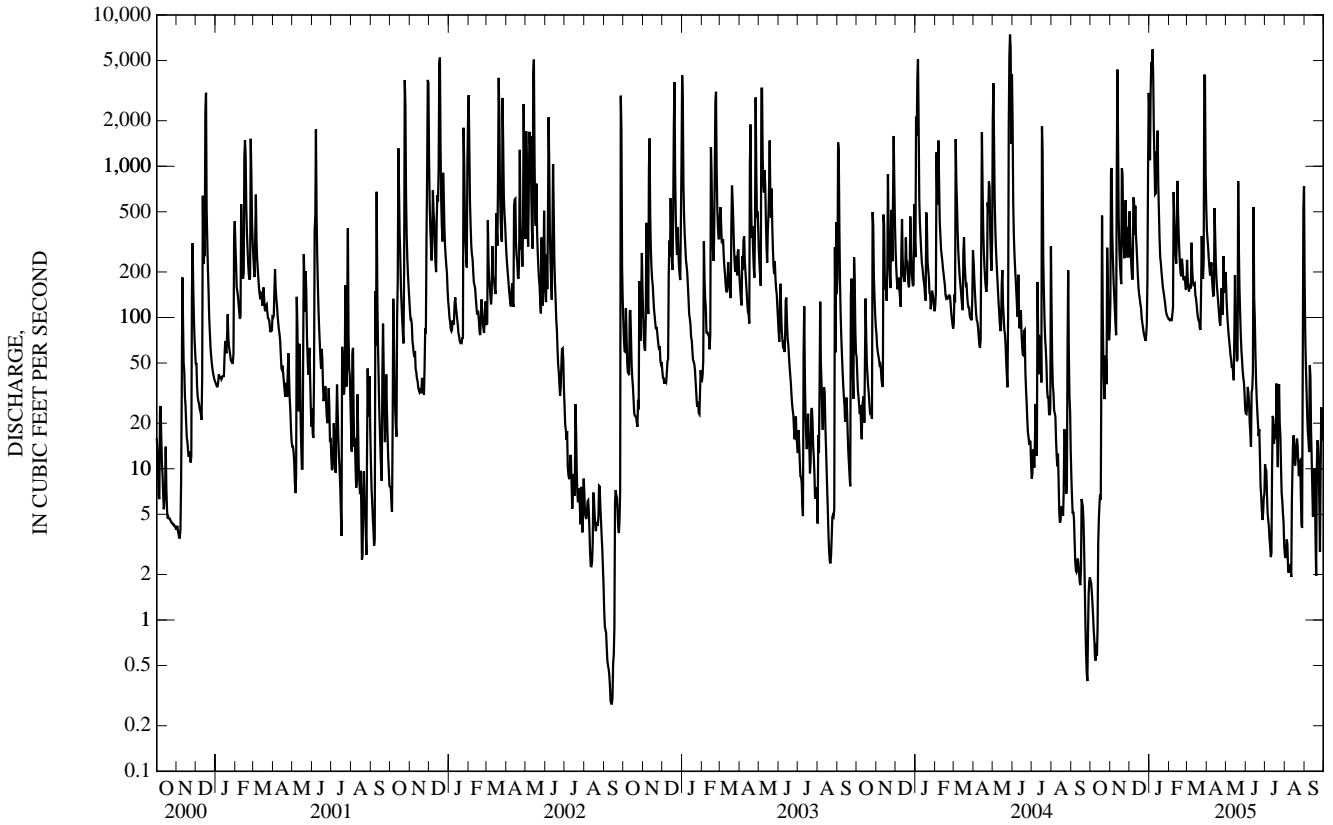
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2005, BY WATER YEAR (WY)

MEAN	38.4	131	260	331	409	506	390	340	159	69.3	46.1	39.1
MAX	384	805	862	1,195	1,323	2,252	1,117	1,369	1,337	316	514	390
(WY)	(2002)	(1980)	(1979)	(2005)	(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)

03294000 SILVER CREEK NEAR SELLERSBURG, IN—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1955 - 2005	
ANNUAL TOTAL	122,556.84		100,018.26		226	
ANNUAL MEAN	335		274		423	
HIGHEST ANNUAL MEAN					92.8	
LOWEST ANNUAL MEAN					15,100	
HIGHEST DAILY MEAN	7,420	May 28	5,920	Jan 6	19,600	Mar 10, 1964
LOWEST DAILY MEAN	0.39	Sep 26	0.54	Oct 9	0.00	Oct 1, 1954
ANNUAL SEVEN-DAY MINIMUM	0.69	Oct 6	0.69	Oct 6	0.00	Oct 1, 1954
MAXIMUM PEAK FLOW			6,280	Jan 6	19,600	Jan 22, 1959
MAXIMUM PEAK STAGE			21.38	Jan 6	30.89	Jan 22, 1959
ANNUAL RUNOFF (CFSM)	1.77		1.45		1.19	
ANNUAL RUNOFF (INCHES)	24.12		19.69		16.23	
10 PERCENT EXCEEDS	627		539		478	
50 PERCENT EXCEEDS	120		96		55	
90 PERCENT EXCEEDS	4.5		4.5		3.1	

e Estimated



BUCK CREEK BASIN

03302220 BUCK CREEK NEAR NEW MIDDLETOWN, IN

LOCATION.--Lat 38°07'13", long 86°05'17", in SE $\frac{1}{4}$ NE $\frac{1}{4}$ 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 good 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e3.8	129	144	994	52	77	147	102	23	11	4.4	e8.8
2	e3.6	686	122	563	52	70	134	78	25	8.1	4.7	e4.1
3	e3.4	450	104	1,200	57	67	114	65	27	e7.5	4.7	e2.4
4	e3.3	199	90	729	59	66	111	56	25	e7.1	e4.2	e2.2
5	e3.1	116	79	714	58	64	103	49	20	e6.8	e4.2	e2.0
6	e2.9	95	77	1,270	57	59	86	45	16	e6.0	e4.0	e1.9
7	e2.9	82	353	569	70	62	90	41	15	e6.0	e3.8	e1.8
8	e3.1	70	224	655	211	72	84	38	14	e5.6	e3.6	e1.7
9	e4.3	63	170	369	166	65	74	35	13	e5.3	e3.1	e1.7
10	e5.1	59	168	209	137	63	67	34	20	e5.0	e2.9	e1.6
11	e5.6	587	142	173	115	63	62	31	119	e6.0	e2.6	e1.6
12	e6.6	880	126	146	102	66	62	30	448	e8.5	e2.8	e1.6
13	e9.6	296	107	203	182	69	71	30	276	6.2	e3.0	e1.5
14	e14	154	89	260	298	65	62	57	109	4.8	e3.5	e1.5
15	e18	116	79	176	211	63	57	57	73	4.5	e4.0	e1.5
16	e17	95	74	145	176	63	53	42	62	4.9	e4.1	e2.0
17	e15	81	69	118	128	63	50	36	48	5.7	e3.7	e2.2
18	e277	72	65	101	104	61	48	32	39	5.5	e3.5	e2.4
19	e250	284	61	95	89	60	45	163	32	4.7	e3.1	e3.2
20	97	240	56	87	86	57	44	828	27	4.6	e3.3	e3.7
21	67	157	55	78	90	54	43	191	23	4.5	e4.2	e3.5
22	56	120	e54	72	82	54	41	156	20	7.5	e3.9	e3.0
23	52	98	e50	63	76	97	42	103	17	5.8	e3.6	e2.8
24	75	121	e46	62	76	128	35	67	15	4.7	e3.2	e2.6
25	63	121	e44	58	71	107	33	52	14	4.2	e3.0	e3.5
26	56	101	e42	57	67	96	39	44	13	3.9	e2.8	e5.0
27	413	93	e40	51	64	315	44	39	12	4.1	e3.2	e4.6
28	139	101	e50	48	70	1,770	36	36	11	4.4	e3.0	e3.9
29	108	90	e84	52	---	584	43	32	10	4.4	e2.9	e3.7
30	95	91	506	54	---	314	165	28	11	4.5	e2.7	e3.6
31	68	---	969	53	---	203	---	25	---	4.5	e51	---
TOTAL	1,937.3	5,847	4,339	9,424	3,006	5,017	2,085	2,622	1,577	176.3	156.7	85.6
MEAN	62.5	195	140	304	107	162	69.5	84.6	52.6	5.69	5.05	2.85
MAX	413	880	969	1,270	298	1,770	165	828	448	11	51	8.8
MIN	2.9	59	40	48	52	54	33	25	10	3.9	2.6	1.5
CFSM	1.68	5.25	3.77	8.19	2.89	4.36	1.87	2.28	1.42	0.15	0.14	0.08
IN.	1.94	5.86	4.35	9.45	3.01	5.03	2.09	2.63	1.58	0.18	0.16	0.09

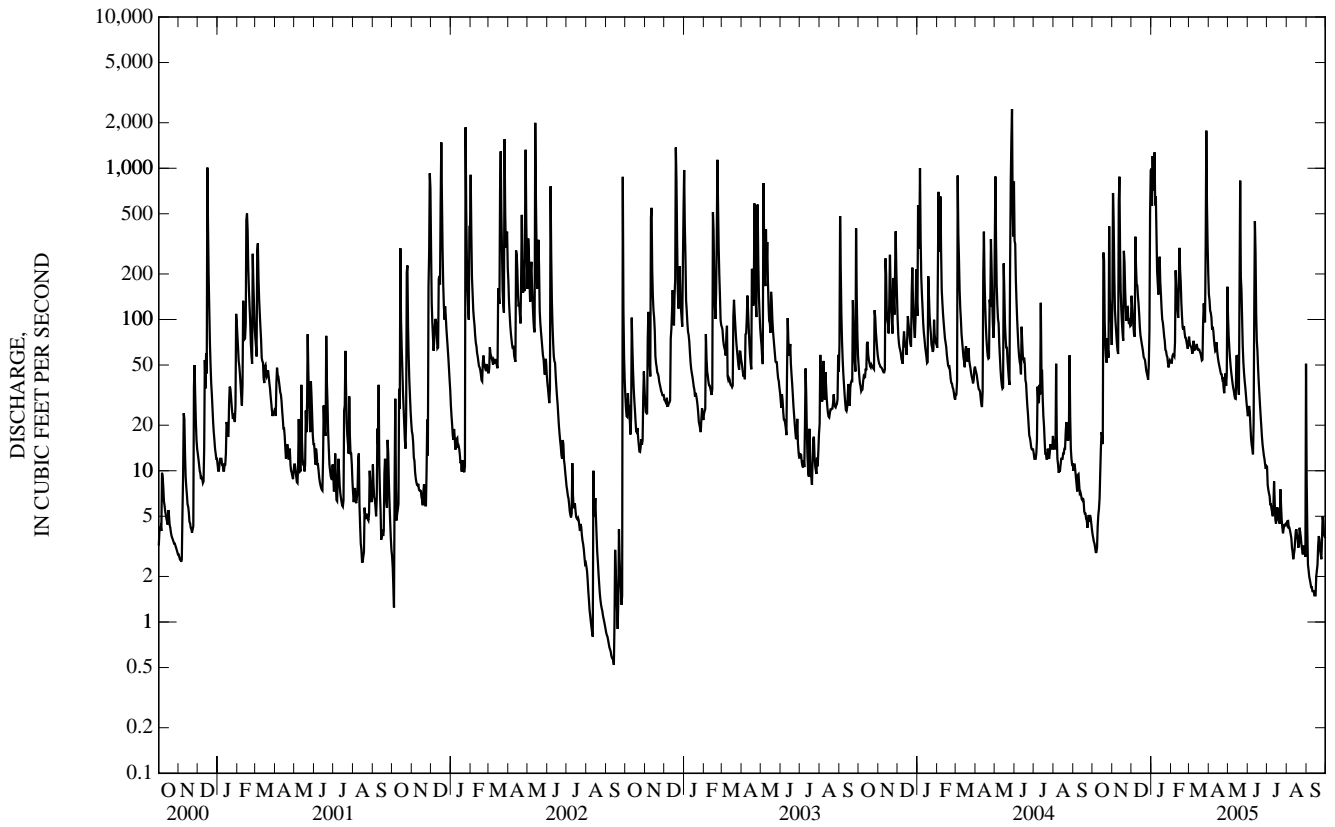
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2005, BY WATER YEAR (WY)

	19.8	58.6	101	116	133	156	135	112	59.6	26.9	15.8	18.4
MEAN	71.8	228	262	304	368	708	412	558	311	219	67.2	217
(WY)	(1971)	(1980)	(1991)	(2005)	(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)

03302220 BUCK CREEK NEAR NEW MIDDLETOWN, IN—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1970 - 2005	
ANNUAL TOTAL	40,512.9		36,272.9		79.0	
ANNUAL MEAN	111		99.4		32.8	
HIGHEST ANNUAL MEAN					150	1997
LOWEST ANNUAL MEAN					32.8	1981
HIGHEST DAILY MEAN	2,460	May 28	1,770	Mar 28	5,610	Mar 2, 1997
LOWEST DAILY MEAN	2.9	Oct 6	e 1.5	Sep 13	0.52	Jul 10, 1988
ANNUAL SEVEN-DAY MINIMUM	3.2	Oct 2	e 1.6	Sep 9	0.57	Jul 4, 1988
MAXIMUM PEAK FLOW			3,510	Mar 28	20,500	Mar 2, 1997
MAXIMUM PEAK STAGE			8.33	Mar 28	17.26	Mar 2, 1997
ANNUAL RUNOFF (CFSM)	2.98		2.68		2.13	
ANNUAL RUNOFF (INCHES)	40.62		36.37		28.94	
10 PERCENT EXCEEDS	258		203		176	
50 PERCENT EXCEEDS	54		54		28	
90 PERCENT EXCEEDS	9.3		3.2		3.4	

e Estimated



BLUE RIVER BASIN

03302680 WEST FORK BLUE RIVER AT SALEM, IN

LOCATION.--Lat 38°36'19", long 86°05'40", in SW $\frac{1}{4}$ SE $\frac{1}{4}$ 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 good except for estimated daily discharges and those below 1.00 ft³/s, which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.25	30	32	133	e8.6	18	32	12	3.4	1.1	0.59	1.4
2	0.25	113	30	85	e8.6	15	31	12	3.4	1.1	0.55	0.74
3	0.24	74	28	516	e8.5	15	24	11	3.6	0.96	0.54	0.47
4	0.20	56	24	199	e8.5	15	21	10	3.3	0.88	0.50	0.33
5	0.20	27	20	581	e8.4	15	18	9.0	3.0	0.94	0.46	0.25
6	0.12	18	23	485	e8.4	13	16	8.5	2.8	0.89	0.45	0.25
7	0.08	12	45	132	e27	15	26	8.1	2.5	0.82	0.53	0.23
8	0.05	8.4	39	121	114	14	34	7.7	2.3	0.76	0.48	0.20
9	0.08	6.5	38	88	73	12	24	7.3	2.2	0.68	0.45	0.20
10	0.05	5.5	39	64	48	12	20	7.5	2.1	0.60	0.45	0.24
11	0.05	294	33	52	36	12	18	6.6	2.6	0.87	0.45	0.20
12	e0.72	189	30	47	30	12	18	8.7	94	2.3	0.40	0.20
13	e0.90	93	26	107	51	11	20	6.6	50	2.1	0.41	0.20
14	e1.0	56	21	114	81	10	16	35	15	1.5	0.55	0.20
15	e3.0	38	18	71	55	9.6	14	24	8.8	2.3	0.72	0.20
16	e3.0	30	17	50	41	9.3	12	15	5.9	8.8	2.6	0.20
17	e2.0	25	16	35	31	9.4	12	11	4.7	2.6	1.6	0.20
18	e15	21	15	e28	26	9.2	11	8.5	3.9	1.8	0.82	0.20
19	e70	74	13	e24	21	9.2	10	7.7	3.3	1.4	1.1	0.27
20	e30	65	12	e21	21	8.7	9.5	22	2.9	1.1	1.1	1.3
21	8.9	42	e11	e18	22	8.2	9.7	12	2.6	0.96	0.75	0.55
22	6.4	34	e10	e16	18	8.4	10	9.4	2.3	8.3	0.59	0.32
23	7.0	29	e9.8	e15	16	9.2	19	8.0	2.0	2.7	0.50	0.26
24	9.3	43	e9.6	e13	17	8.4	14	6.8	1.9	1.8	0.45	0.64
25	7.9	39	e9.4	e12	16	8.2	11	5.9	1.7	1.3	0.43	0.79
26	7.9	31	e9.2	e11	15	8.0	17	5.1	1.4	1.1	0.43	2.1
27	42	30	e9.1	e10	14	8.9	19	4.7	1.3	1.00	0.55	1.2
28	19	31	e9.0	e9.6	17	309	15	5.0	1.1	0.95	0.55	0.73
29	12	26	e20	e9.2	---	124	15	4.1	1.1	0.83	0.55	0.87
30	11	27	e130	e9.0	---	74	14	3.8	1.1	0.73	31	0.73
31	9.7	---	338	e8.7	---	47	---	3.6	---	0.64	4.9	---
TOTAL	268.29	1,567.4	1,084.1	3,084.5	841.0	857.7	530.2	306.6	236.2	53.81	55.45	15.67
MEAN	8.65	52.2	35.0	99.5	30.0	27.7	17.7	9.89	7.87	1.74	1.79	0.52
MAX	70	294	338	581	114	309	34	35	94	8.8	31	2.1
MIN	0.05	5.5	9.0	8.7	8.4	8.0	9.5	3.6	1.1	0.60	0.40	0.20
CFSM	0.46	2.75	1.84	5.24	1.58	1.46	0.93	0.52	0.41	0.09	0.09	0.03
IN.	0.53	3.07	2.12	6.04	1.65	1.68	1.04	0.60	0.46	0.11	0.11	0.03

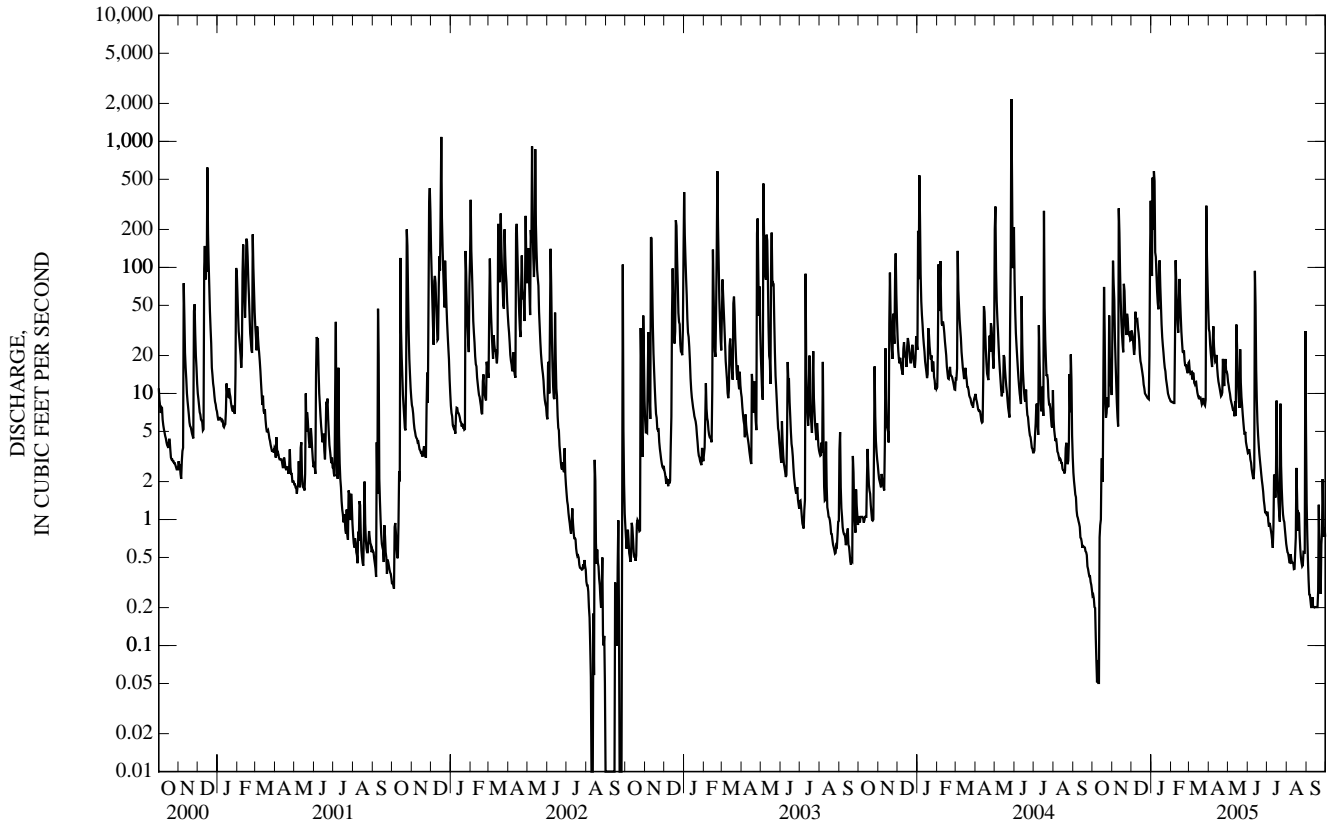
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2005, BY WATER YEAR (WY)

MEAN	6.89	22.9	33.9	35.5	41.2	43.1	42.5	36.3	14.8	12.0	6.68	5.90
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	0.09	0.29	0.13	0.02
(WY)	(1988)	(2000)	(1977)	(1977)	(1992)	(1976)	(2001)	(1988)	(1988)	(1991)	(1987)	(1999)

03302680 WEST FORK BLUE RIVER AT SALEM, IN—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1970 - 2005	
ANNUAL TOTAL	12,172.12		8,900.92		25.1	
ANNUAL MEAN	33.3		24.4		43.4	
HIGHEST ANNUAL MEAN					10.7	
LOWEST ANNUAL MEAN					1981	
HIGHEST DAILY MEAN	2,170	May 27	581	Jan 5	2,170	May 27, 2004
LOWEST DAILY MEAN	0.05	Oct 8	0.05	Oct 8	0.00	Sep 3, 1999
ANNUAL SEVEN-DAY MINIMUM	0.09	Oct 5	0.09	Oct 5	0.00	Sep 14, 1999
MAXIMUM PEAK FLOW			2,040	Jan 3	8,490	May 27, 2004
MAXIMUM PEAK STAGE			9.22	Jan 3	17.12	May 27, 2004
INSTANTANEOUS LOW FLOW					0.01	Sep 30, 2004
ANNUAL RUNOFF (CFSM)	1.75		1.28		1.32	
ANNUAL RUNOFF (INCHES)	23.83		17.43		17.95	
10 PERCENT EXCEEDS	51		50		55	
50 PERCENT EXCEEDS	13		9.2		7.4	
90 PERCENT EXCEEDS	1.0		0.45		0.44	

e Estimated



BLUE RIVER BASIN

03302800 BLUE RIVER AT FREDERICKSBURG, IN

LOCATION.--Lat 38°26'02", long 86°11'30", 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 those for Aug. 5-13, and 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e9.2	198	537	2,810	169	314	667	223	55	33	15	132
2	e9.0	1,320	540	1,530	160	267	600	190	54	28	16	53
3	e8.8	1,510	457	4,180	164	240	518	167	56	26	16	31
4	e8.5	890	379	5,450	167	232	422	144	54	23	16	19
5	e8.4	699	317	6,880	162	243	362	125	54	23	16	15
6	e8.3	476	303	9,670	157	229	306	114	48	22	16	13
7	e8.1	326	547	2,920	180	227	336	105	41	22	16	11
8	e7.6	228	772	2,080	1,120	308	459	97	36	19	17	10
9	e7.2	171	607	1,530	971	251	380	89	34	18	17	10
10	e6.8	144	636	1,150	722	228	318	84	32	17	17	9.8
11	e7.2	1,210	556	978	571	224	277	90	36	17	17	9.4
12	e7.6	5,140	501	1,120	486	221	259	82	257	25	16	9.3
13	e8.2	1,390	434	1,130	517	212	515	84	1,820	42	16	9.0
14	e9.2	846	338	2,370	1,060	182	439	136	582	41	28	9.5
15	e10	645	281	1,180	836	167	340	373	351	34	22	9.8
16	e9.2	522	253	894	675	157	283	206	215	31	19	9.4
17	e15	420	233	715	533	151	246	146	152	58	31	9.2
18	e50	350	214	586	430	145	222	118	120	40	22	9.3
19	1,810	644	201	557	360	138	200	104	90	26	16	10
20	408	976	169	478	330	130	178	532	69	23	15	15
21	168	672	160	425	404	119	162	413	58	21	18	28
22	102	533	e162	372	361	115	157	241	51	31	15	15
23	76	463	e123	299	311	125	190	187	46	65	14	12
24	90	500	e122	271	298	190	233	146	43	40	13	9.9
25	102	692	e121	277	287	156	185	110	41	25	12	9.5
26	81	521	e120	253	272	147	174	97	37	22	12	12
27	558	440	e120	220	251	144	297	86	35	20	12	20
28	493	502	e140	177	261	4,290	237	78	70	18	12	20
29	270	436	253	180	---	2,590	224	71	54	17	13	16
30	198	403	1,010	188	---	1,200	242	62	37	15	146	13
31	222	---	4,810	178	---	864	---	57	---	15	633	---
TOTAL	4,776.3	23,267	15,416	51,048	12,215	14,206	9,428	4,757	4,628	857	1,264	559.1
MEAN	154	776	497	1,647	436	458	314	153	154	27.6	40.8	18.6
MAX	1,810	5,140	4,810	9,670	1,120	4,290	667	532	1,820	65	633	132
MIN	6.8	144	120	177	157	115	157	57	32	15	12	9.0
CFSM	0.54	2.74	1.76	5.82	1.54	1.62	1.11	0.54	0.55	0.10	0.14	0.07
IN.	0.63	3.06	2.03	6.71	1.61	1.87	1.24	0.63	0.61	0.11	0.17	0.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2005, BY WATER YEAR (WY)

MEAN	72.2	257	423	509	550	606	580	491	250	135	85.4	66.0
MAX	463	1,135	1,303	1,647	1,236	1,372	1,957	1,808	1,188	588	463	299
(WY)	(2002)	(1980)	(2002)	(2005)	(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 2004 CALENDAR YEAR

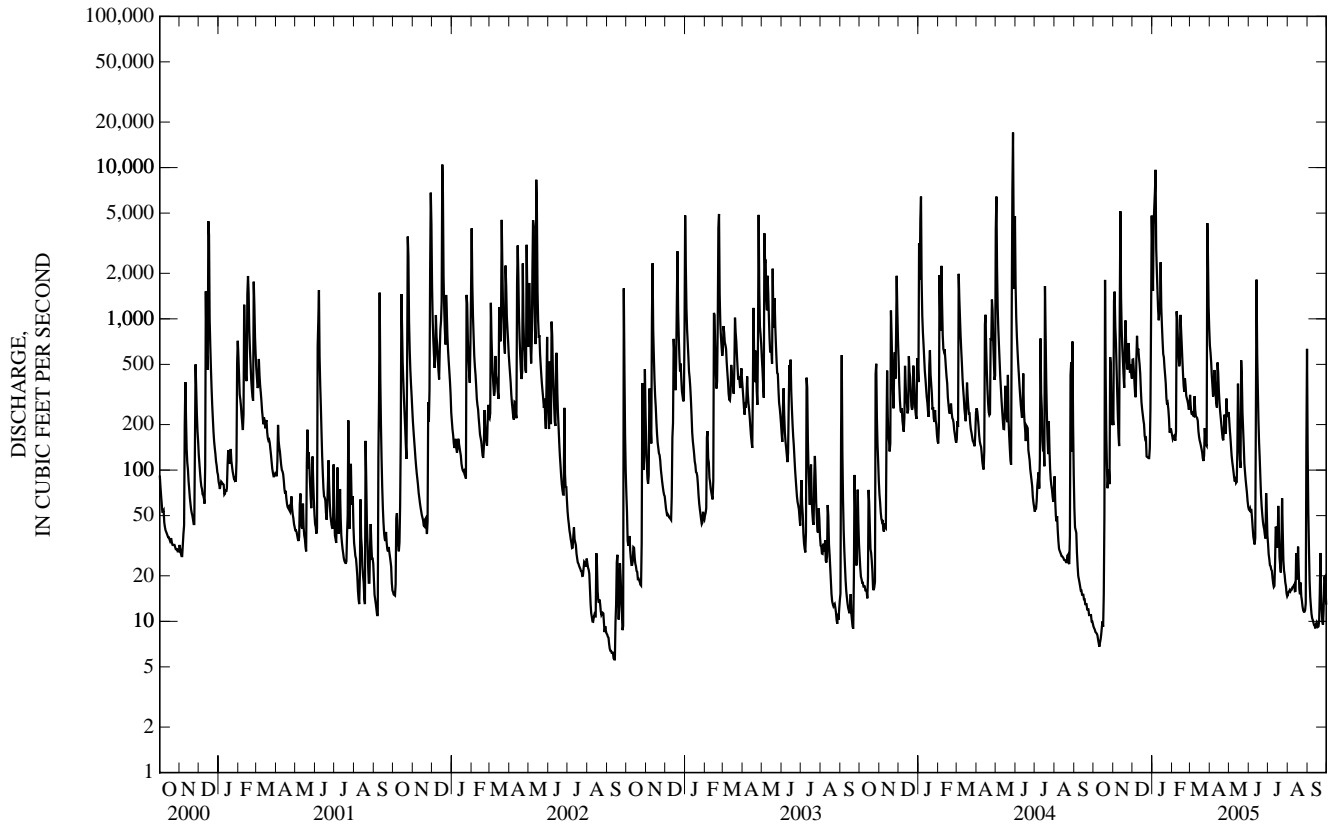
FOR 2005 WATER YEAR

WATER YEARS 1969 - 2005

ANNUAL TOTAL	185,921.9	142,421.4	
ANNUAL MEAN	508	390	334
HIGHEST ANNUAL MEAN			551
LOWEST ANNUAL MEAN			129
HIGHEST DAILY MEAN	17,000	May 28	9,670
LOWEST DAILY MEAN	6.8	Oct 10	e 6.8
ANNUAL SEVEN-DAY MINIMUM	7.5	Oct 7	e 7.5
MAXIMUM PEAK FLOW			11,100
MAXIMUM PEAK STAGE			21.00
ANNUAL RUNOFF (CFSM)	1.79		1.38
ANNUAL RUNOFF (INCHES)	24.44		18.72
10 PERCENT EXCEEDS	1,010		798
50 PERCENT EXCEEDS	220		160
90 PERCENT EXCEEDS	16		12

e Estimated

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, (HARDINBURG, 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, 4.82 ft, Jan. 6; minimum gage height, undetermined below 0.90 ft. Period from Oct. 1-14, July 8-11, Aug. 7-13, 23-30, and Sept. 19 is known to be below 0.90 ft.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	1.70	2.09	2.66	1.67	1.78	1.93	1.78	1.54	1.27	1.29	1.45
2	---	2.25	1.94	2.36	1.69	1.75	2.07	1.73	1.57	1.21	1.27	1.42
3	---	1.83	1.83	3.16	1.71	1.73	1.96	1.69	1.59	1.16	1.22	1.40
4	---	1.67	1.76	4.18	1.70	1.73	1.88	1.67	1.56	1.07	1.14	1.36
5	---	1.60	1.72	4.57	1.69	1.72	1.82	1.65	1.53	1.04	1.05	1.36
6	---	1.55	1.76	2.79	1.68	1.71	1.79	1.63	1.52	1.00	0.98	1.35
7	---	1.52	2.25	2.56	2.45	1.77	2.19	1.61	1.50	0.92	---	1.35
8	---	1.50	2.01	2.48	2.35	1.74	2.03	1.59	1.50	---	---	1.32
9	---	1.49	1.95	2.27	2.13	1.72	1.93	1.57	1.49	---	---	1.29
10	---	1.48	1.89	2.11	1.99	1.72	1.87	1.56	1.51	---	---	1.24
11	---	3.34	1.84	2.16	1.93	1.72	1.82	1.55	1.60	---	---	1.16
12	---	2.24	1.80	2.07	1.87	1.82	2.59	1.55	2.16	1.39	---	1.06
13	---	1.92	1.73	2.64	2.39	1.78	2.24	1.54	1.67	1.37	---	0.99
14	---	1.77	1.68	2.27	2.22	1.75	2.07	1.66	1.56	1.33	1.42	1.20
15	1.30	1.69	1.65	2.11	2.09	1.72	1.95	1.59	1.52	1.48	1.39	1.16
16	1.14	1.64	1.64	1.99	1.96	1.71	1.87	1.56	1.50	1.57	1.40	1.09
17	0.97	1.60	1.62	1.89	1.88	1.70	1.81	1.55	1.48	1.49	1.35	1.03
18	1.75	1.61	1.61	1.84	1.83	1.68	1.76	1.54	1.46	1.44	1.30	0.95
19	1.47	2.19	1.59	1.81	1.78	1.67	1.71	1.54	1.45	1.42	1.24	---
20	1.41	1.93	1.57	1.79	1.94	1.65	1.69	1.54	1.43	1.41	1.17	1.45
21	1.38	1.81	1.57	1.75	1.93	1.64	1.66	1.53	1.42	1.38	1.09	1.40
22	1.36	1.78	1.64	1.73	1.86	1.66	1.79	1.53	1.41	1.65	0.98	1.42
23	1.43	1.74	1.69	1.69	1.82	1.77	1.83	1.55	1.39	1.50	---	1.42
24	1.45	2.02	1.70	1.69	1.81	1.74	1.76	1.56	1.39	1.46	---	1.38
25	1.42	1.84	1.72	1.68	1.80	1.74	1.71	1.55	1.40	1.44	---	1.52
26	1.99	1.77	1.70	1.66	1.77	1.71	1.95	1.56	1.36	1.42	---	1.49
27	1.72	2.08	1.71	1.64	1.76	2.20	1.85	1.55	1.34	1.41	---	1.42
28	1.56	1.96	1.77	1.63	1.80	2.79	1.80	1.56	1.33	1.42	---	1.42
29	1.51	1.86	2.45	1.66	---	2.34	1.85	1.55	1.32	1.40	---	1.40
30	1.53	2.08	3.18	1.68	---	2.14	1.85	1.55	1.30	1.34	---	1.37
31	1.50	---	2.93	1.69	---	2.01	---	1.53	---	1.31	1.54	---
MEAN	---	1.85	1.87	2.20	1.91	1.82	1.90	1.58	1.49	---	---	---
MAX	---	3.34	3.18	4.57	2.45	2.79	2.59	1.78	2.16	---	---	---
MIN	---	1.48	1.57	1.63	1.67	1.64	1.66	1.53	1.30	---	---	---

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, (CORYDON 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e46	512	845	6,990	437	591	1,260	524	201	136	67	621
2	e44	1,420	950	3,440	419	595	1,060	479	194	114	61	322
3	e40	2,770	857	5,480	415	540	982	437	194	106	58	216
4	e38	1,430	749	11,600	417	518	851	405	192	97	54	157
5	e36	1,080	659	9,740	413	512	762	375	189	103	52	115
6	e34	800	597	17,200	401	509	693	353	180	91	50	91
7	e33	647	863	9,830	418	498	779	335	164	85	47	78
8	e31	542	1,300	4,010	1,140	542	957	319	147	80	44	68
9	29	458	1,080	3,240	1,820	579	879	302	133	76	43	60
10	28	401	981	2,330	1,280	520	759	287	132	70	43	54
11	27	1,130	947	1,820	1,020	508	684	268	176	69	42	49
12	29	8,140	831	1,890	876	511	640	257	420	115	39	46
13	33	3,420	763	1,920	896	530	841	238	2,240	140	38	43
14	36	1,540	671	3,660	1,480	498	935	329	1,310	129	43	40
15	38	1,080	583	2,460	1,560	459	770	424	803	150	44	39
16	40	859	532	1,700	1,230	440	674	514	593	169	57	39
17	36	731	502	1,360	1,010	429	611	392	465	267	64	37
18	104	642	475	1,110	851	420	566	336	393	240	53	36
19	1,430	867	450	980	749	409	527	310	345	217	53	34
20	1,160	1,490	422	908	689	393	491	602	304	190	65	53
21	524	1,180	391	825	716	378	457	902	261	166	60	58
22	364	898	e390	753	749	366	432	602	230	198	51	62
23	280	776	e370	686	668	442	438	478	202	234	51	77
24	245	754	e345	605	634	535	462	411	182	217	49	68
25	232	966	e340	583	618	520	471	360	165	198	43	57
26	264	897	e335	570	593	471	437	314	152	150	42	75
27	761	762	e330	532	567	480	495	291	140	118	43	74
28	975	799	e350	483	560	5,370	555	277	171	100	42	66
29	628	813	528	451	---	6,980	497	258	139	87	81	78
30	492	733	1,390	456	---	2,630	527	241	176	79	209	79
31	432	---	6,690	456	---	1,680	---	221	---	72	632	---
TOTAL	8,489	38,537	26,516	98,068	22,626	29,853	20,492	11,841	10,593	4,263	2,320	2,892
MEAN	274	1,285	855	3,163	808	963	683	382	353	138	74.8	96.4
MAX	1,430	8,140	6,690	17,200	1,820	6,980	1,260	902	2,240	267	632	621
MIN	27	401	330	451	401	366	432	221	132	69	38	34
CFSM	0.96	4.52	3.01	11.1	2.85	3.39	2.41	1.34	1.24	0.48	0.26	0.34
IN.	1.11	5.05	3.47	12.85	2.96	3.91	2.68	1.55	1.39	0.56	0.30	0.38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2005, BY WATER YEAR (WY)

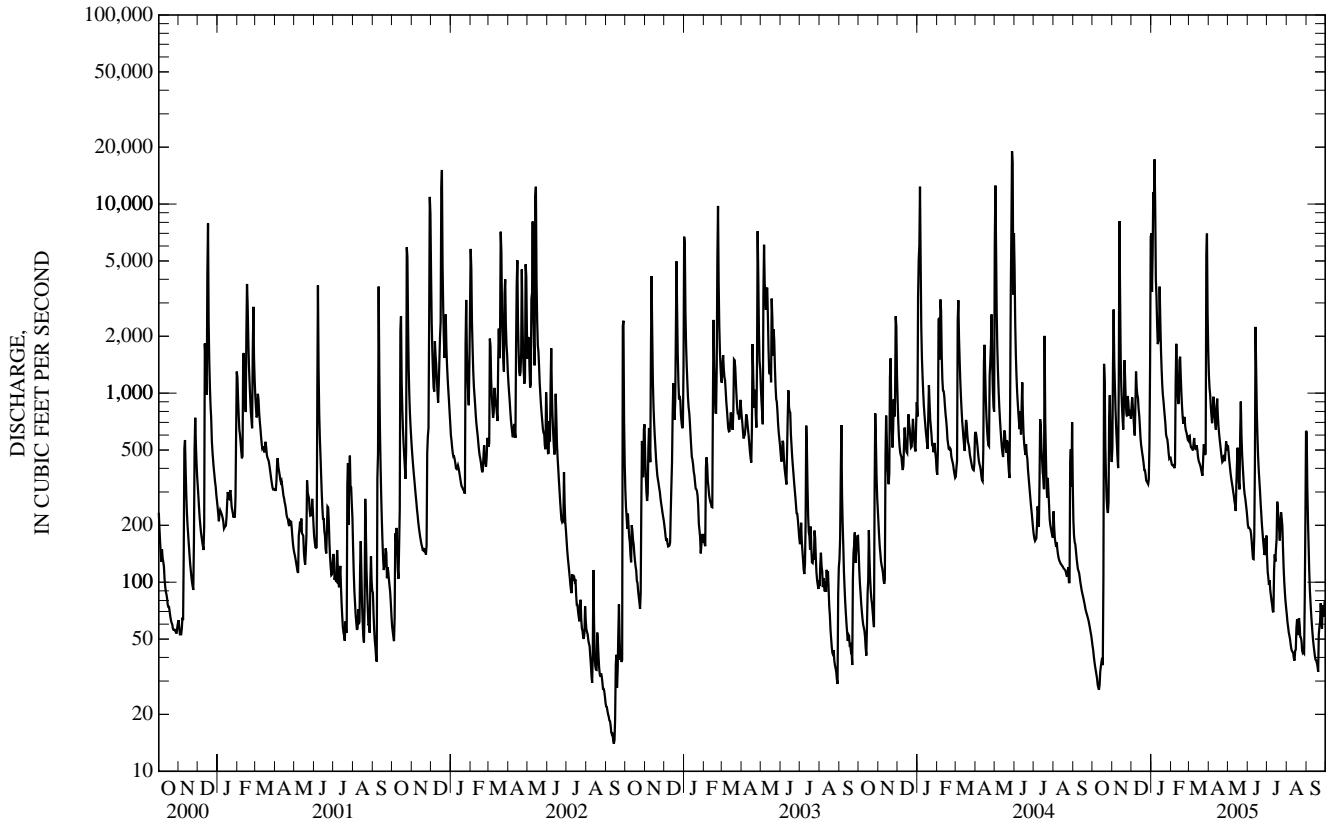
MEAN	139	390	687	1,088	1,135	1,367	1,154	916	507	280	174	140
MAX	934	2,057	2,502	6,290	3,404	4,299	3,243	4,020	2,785	1,655	801	551
(WY)	(2002)	(1980)	(2002)	(1937)	(1950)	(1945)	(1996)	(1983)	(1997)	(1979)	(1977)	(1996)
MIN	14.3	20.0	17.6	40.3	78.0	70.8	263	91.2	41.0	44.8	29.8	18.8
(WY)	(1965)	(1964)	(1964)	(1977)	(1934)	(1941)	(1934)	(1934)	(1936)	(1954)	(1964)	(1953)

BLUE RIVER BASIN

03303000 BLUE RIVER NEAR WHITE CLOUD, IN—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1932 - 2005	
ANNUAL TOTAL	345,630		276,490		663	
ANNUAL MEAN	944		758		1,199	
HIGHEST ANNUAL MEAN					140	
LOWEST ANNUAL MEAN					1941	
HIGHEST DAILY MEAN	19,100	May 28	17,200	Jan 6	27,300	Apr 30, 1996
LOWEST DAILY MEAN	27	Oct 11	27	Oct 11	9.6	Oct 17, 1964
ANNUAL SEVEN-DAY MINIMUM	30	Oct 7	30	Oct 7	11	Oct 12, 1964
MAXIMUM PEAK FLOW			18,700		29,400	
MAXIMUM PEAK STAGE			16.99		23.30	
ANNUAL RUNOFF (CFSM)	3.33		2.67		2.33	
ANNUAL RUNOFF (INCHES)	45.27		36.22		31.70	
10 PERCENT EXCEEDS	1,550		1,300		1,480	
50 PERCENT EXCEEDS	512		429		264	
90 PERCENT EXCEEDS	100		46		38	

e Estimated



03303300 MIDDLE FORK ANDERSON RIVER AT BRISTOW, IN

LOCATION.--Lat 38°08'20", 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 estimated daily discharges, and 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.29	18	108	561	28	37	111	28	5.2	1.4	3.7	26
2	0.29	241	97	487	27	36	89	27	4.5	1.6	3.5	18
3	0.31	233	82	737	30	34	77	26	4.3	1.8	3.6	13
4	0.22	133	69	563	31	33	65	24	3.7	1.9	3.6	9.2
5	0.22	82	58	630	30	31	54	22	2.9	2.3	3.8	6.5
6	0.18	58	53	790	29	30	47	19	2.5	2.4	3.9	4.7
7	0.16	45	104	570	56	30	48	18	2.2	2.3	3.5	32
8	0.16	36	106	586	136	36	54	16	2.1	2.1	3.5	23
9	0.19	30	92	534	139	33	50	14	2.0	1.9	3.3	2.1
10	0.24	27	79	494	116	31	46	13	1.7	1.8	3.1	1.1
11	0.19	204	69	436	94	30	42	12	1.6	2.1	3.0	0.88
12	0.31	466	62	278	77	32	50	10	30	2.6	3.5	0.89
13	0.58	347	55	178	97	32	67	9.3	22	2.8	3.6	1.2
14	0.60	191	49	181	124	31	58	20	20	2.6	3.4	1.0
15	0.59	105	44	141	112	29	52	17	18	e2.7	3.5	0.86
16	0.45	71	40	107	94	28	47	14	15	2.9	3.8	0.75
17	0.29	54	36	82	78	27	43	13	12	3.5	3.6	0.62
18	3.3	46	34	65	65	25	39	12	10	4.6	3.8	0.67
19	5.9	89	30	e56	55	24	34	11	7.7	3.8	3.6	0.68
20	3.8	93	e27	e50	51	23	31	24	6.1	3.7	3.9	1.9
21	3.4	79	e25	45	51	22	27	18	5.0	3.5	3.5	1.7
22	3.1	66	e24	41	49	22	25	17	4.2	5.5	3.4	1.5
23	2.8	58	e24	36	46	27	23	16	3.8	6.4	3.1	1.3
24	2.8	63	e23	33	44	34	21	15	3.3	7.3	e3.1	1.2
25	2.3	61	e22	31	42	40	19	13	2.8	7.0	e3.0	1.4
26	2.6	54	e21	29	39	41	21	12	2.5	6.3	3.6	3.4
27	56	59	e20	27	37	54	23	11	2.2	5.5	4.0	2.9
28	29	97	e23	24	37	480	22	10	1.9	4.8	3.9	2.2
29	16	85	e64	26	---	417	23	8.8	1.8	4.4	5.5	2.4
30	13	83	206	28	---	301	29	7.6	1.5	4.0	27	1.6
31	9.9	---	515	29	---	175	---	6.3	---	3.8	33	---
TOTAL	159.17	3,274	2,261	7,875	1,814	2,225	1,337	484.0	202.5	109.3	164.3	164.65
MEAN	5.13	109	72.9	254	64.8	71.8	44.6	15.6	6.75	3.53	5.30	5.49
MAX	56	466	515	790	139	480	111	28	30	7.3	33	32
MIN	0.16	18	20	24	27	22	19	6.3	1.5	1.4	3.0	0.62
CFSM	0.13	2.74	1.83	6.38	1.63	1.80	1.12	0.39	0.17	0.09	0.13	0.14
IN.	0.15	3.06	2.11	7.36	1.70	2.08	1.25	0.45	0.19	0.15	0.15	0.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2005, BY WATER YEAR (WY)

MEAN	9.37	38.8	73.6	84.7	96.9	120	108	80.1	31.9	16.0	10.9	10.0
MAX	63.7	194	224	254	245	393	312	405	190	141	162	78.8
(WY)	(1978)	(1980)	(2002)	(2005)	(1989)	(1964)	(1972)	(1983)	(1979)	(1979)	(1979)	(1982)
MIN	0.00	0.00	0.00	2.78	5.66	33.4	15.7	2.37	0.82	0.38	0.01	0.00
(WY)	(1965)	(1964)	(1964)	(1964)	(1992)	(1990)	(2001)	(2001)	(1988)	(1968)	(1965)	(1964)

03303300 MIDDLE FORK ANDERSON RIVER AT BRISTOW, IN—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1962 - 2005	
ANNUAL TOTAL	24,011.36		20,069.92		56.5	
ANNUAL MEAN	65.6		55.0		122	
HIGHEST ANNUAL MEAN					15.2	
LOWEST ANNUAL MEAN					1979	
HIGHEST DAILY MEAN	607	May 26	790	Jan 6	4,870	Mar 9, 1964
LOWEST DAILY MEAN	0.16	Sep 23	0.16	Oct 7	0.00	Oct 2, 1961
ANNUAL SEVEN-DAY MINIMUM	0.19	Oct 5	0.19	Oct 5	0.00	Oct 9, 1961
MAXIMUM PEAK FLOW			970	Jan 6	6,360	Mar 9, 1964
MAXIMUM PEAK STAGE			13.95	Jan 6	19.33	Mar 4, 1964
ANNUAL RUNOFF (CFSM)	1.65		1.38		1.42	
ANNUAL RUNOFF (INCHES)	22.44		18.76		19.28	
10 PERCENT EXCEEDS	200		106		146	
50 PERCENT EXCEEDS	29		23		15	
90 PERCENT EXCEEDS	0.53		1.7		0.22	

e Estimated

