

03336000 WABASH RIVER AT COVINGTON, IN

LOCATION.--Lat 40°08'24", long 87°24'24", in NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.35, T.20 N., R.9 W., Warren County, Hydrologic Unit 05120108, (COVINGTON, IN, quadrangle), on right approach to old U.S. Highway 136 bridge at Covington, 2.9 mi downstream from Oppossum Run, 3.6 mi upstream from Spring Creek, and at mile 271.1.

DRAINAGE AREA.--8,218 mi².

PERIOD OF RECORD.--October 1939 to current year. Gage-height records collected at site 0.4 mi downstream January 1927 to December 1930, and at present site since January 1931 are contained in reports of National Weather Service.

REVISED RECORDS.--WDR IN-73-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 473.97 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1979, nonrecording gage on old bridge.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow partially regulated by upstream reservoirs.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of 35.1 ft, from floodmark determined by National Weather Service, discharge, 200,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,070	1,860	2,100	2,880	e2,550	e3,200	10,500	2,720	8,890	2,750	10,100	14,900
2	1,880	1,750	2,120	7,150	e2,600	e2,900	7,880	3,330	8,000	2,510	9,630	23,200
3	1,750	1,650	1,880	10,900	e2,700	e2,700	6,040	3,740	6,260	2,580	9,330	27,600
4	1,730	1,720	1,880	10,500	e3,100	e2,600	5,020	3,870	5,150	2,350	11,300	30,000
5	1,780	1,780	1,520	9,090	e4,000	e2,900	5,110	8,060	4,820	2,870	12,600	28,900
6	1,770	1,850	1,390	7,290	e4,800	e3,200	7,960	13,200	4,430	20,400	11,600	25,300
7	1,850	2,060	1,530	5,800	e5,150	e3,600	12,200	18,700	4,110	34,700	10,100	20,500
8	1,740	1,840	1,790	4,400	e5,200	e4,100	12,300	18,400	4,020	58,500	9,980	16,900
9	1,770	1,760	1,910	3,850	e4,400	7,180	11,600	19,200	3,820	72,400	10,500	14,700
10	1,840	1,900	1,920	4,060	e3,600	10,800	10,400	24,100	3,670	83,900	9,960	12,900
11	1,860	2,300	1,640	4,110	e2,900	13,100	8,890	30,300	3,430	86,700	8,710	10,400
12	1,820	2,760	1,700	5,670	e2,800	13,000	7,640	34,200	3,770	78,600	8,280	8,800
13	1,800	3,410	1,790	5,990	e2,700	11,500	6,290	33,900	4,510	63,100	8,010	8,140
14	1,790	4,450	1,840	4,950	e2,600	12,200	5,490	32,100	9,010	50,100	7,940	8,110
15	1,730	4,200	1,720	4,000	e2,700	16,600	4,810	30,600	16,500	42,100	8,050	7,640
16	1,630	3,680	1,730	3,220	e2,600	18,000	4,490	28,300	15,700	36,900	7,950	6,360
17	1,620	3,160	1,810	e3,000	e2,700	18,100	4,210	26,700	12,000	33,600	7,670	4,490
18	1,670	2,980	1,720	e3,200	e2,800	17,700	3,830	24,500	10,400	31,400	7,490	4,170
19	1,880	2,480	1,860	e3,100	e2,500	15,700	3,860	21,900	9,200	29,300	7,490	3,810
20	1,810	2,150	2,040	e3,700	e2,200	12,800	3,650	18,800	7,650	27,100	6,920	3,670
21	1,810	2,080	2,130	e3,800	e2,200	10,400	3,740	15,900	6,120	25,200	6,160	3,590
22	1,840	2,210	4,960	e3,600	e2,500	9,690	3,670	14,300	5,420	25,000	5,590	3,500
23	1,740	2,280	6,650	e3,300	e2,800	10,300	3,590	11,600	4,940	26,600	5,360	3,760
24	1,660	1,990	5,660	e3,100	e2,900	11,100	3,240	10,300	4,180	26,500	5,510	5,000
25	1,710	2,040	4,420	e2,900	e3,000	9,300	3,220	9,640	3,590	24,400	5,110	8,130
26	1,780	2,250	3,600	e2,700	e3,950	7,440	3,260	9,190	3,230	20,500	4,710	11,900
27	1,810	2,350	3,050	e2,800	e4,100	6,360	3,200	8,960	3,020	17,600	4,500	21,200
28	1,790	2,350	2,590	e2,600	e3,600	5,440	3,050	8,500	2,790	16,600	4,490	26,000
29	1,810	2,200	2,420	e2,700	---	4,870	2,890	8,500	2,690	15,800	4,330	29,100
30	1,880	2,120	2,410	e2,600	---	5,150	2,920	8,480	2,660	13,200	7,710	28,300
31	1,920	---	2,530	e2,500	---	9,600	---	8,910	---	11,100	8,340	---
TOTAL	55,540	71,610	76,310	139,460	89,650	281,530	174,950	510,900	183,980	984,360	245,420	420,970
MEAN	1,792	2,387	2,462	4,499	3,202	9,082	5,832	16,480	6,133	31,750	7,917	14,030
MAX	2,070	4,450	6,650	10,900	5,200	18,100	12,300	34,200	16,500	86,700	12,600	30,000
MIN	1,620	1,650	1,390	2,500	2,200	2,600	2,890	2,720	2,660	2,350	4,330	3,500
CFSM	0.22	0.29	0.30	0.55	0.39	1.11	0.71	2.01	0.75	3.86	0.96	1.71
IN.	0.25	0.32	0.35	0.63	0.41	1.27	0.79	2.31	0.83	4.46	1.11	1.91

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2003, BY WATER YEAR (WY)

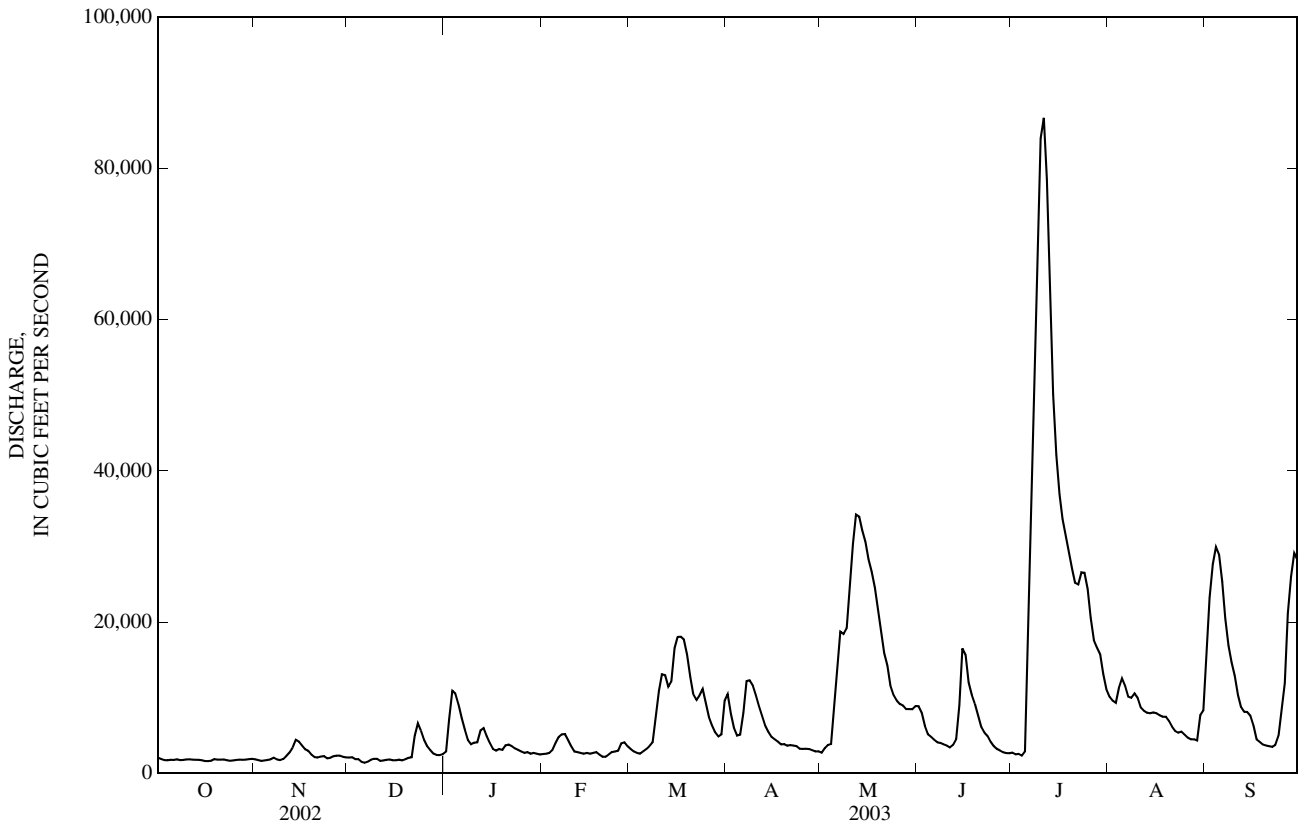
MEAN	3,557	4,836	7,159	8,909	10,840	13,090	13,020	10,080	8,382	5,829	3,573	3,085
MAX	18,360	23,930	22,080	49,700	34,450	34,840	28,470	43,540	36,010	31,750	13,470	14,030
(WY)	(2002)	(1993)	(1968)	(1950)	(1959)	(1982)	(1957)	(1943)	(1958)	(2003)	(1998)	(2003)
MIN	738	919	810	896	1,357	1,915	3,536	1,814	1,542	1,212	640	545
(WY)	(1965)	(1965)	(1964)	(1977)	(1963)	(1941)	(1941)	(1941)	(1988)	(1988)	(1941)	(1941)

WABASH RIVER BASIN

03336000 WABASH RIVER AT COVINGTON, IN—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1940 - 2003	
ANNUAL TOTAL	2,858,180		3,234,680			
ANNUAL MEAN	7,831		8,862		7,677	
HIGHEST ANNUAL MEAN					14,980	1950
LOWEST ANNUAL MEAN					1,862	1941
HIGHEST DAILY MEAN	36,500	May 15	86,700	Jul 11	143,000	May 20, 1943
LOWEST DAILY MEAN	1,290	Sep 14	1,390	Dec 6	487	Sep 29, 1941
ANNUAL SEVEN-DAY MINIMUM	1,330	Sep 13	1,670	Dec 5	497	Sep 24, 1941
MAXIMUM PEAK FLOW			89,000	Jul 11	147,000	May 20, 1943
MAXIMUM PEAK STAGE			28.90	Jul 11	32.44	May 20, 1943
ANNUAL RUNOFF (CFSM)	0.95		1.08		0.93	
ANNUAL RUNOFF (INCHES)	12.94		14.64		12.69	
10 PERCENT EXCEEDS	21,800		22,400		18,600	
50 PERCENT EXCEEDS	3,900		4,330		4,440	
90 PERCENT EXCEEDS	1,730		1,810		1,490	

e Estimated



03339280 PRAIRIE CREEK NEAR LEBANON, IN

LOCATION.--Lat 40°06'16", long 86°31'32", in NW¼SW¼ sec.10, T.19 N., R.1 W., Boone County, Hydrologic Unit 05120110, (HAZELRIGG, IN. quadrangle), on right bank 50 ft upstream from bridge on County Road 450 North, 4.0 mi upstream from Deer Creek, 4.9 mi northwest of Lebanon, and 7.7 mi upstream from mouth.

DRAINAGE AREA.--33.2 mi².

PERIOD OF RECORD.--October 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is 860.00 ft above National Geodetic Vertical Datum of 1929.

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.9	11	e11	201	e20	e15	35	18	18	9.6	11	1,210
2	8.3	10	e10	97	e25	e15	29	17	16	7.6	10	598
3	8.1	10	e9.5	66	e33	e16	26	13	17	6.6	9.7	202
4	13	12	e9.3	52	e47	e19	25	13	16	7.3	11	109
5	11	16	e9.1	47	e34	83	30	323	14	997	9.0	65
6	8.8	20	e9.0	41	25	69	20	129	12	507	7.5	44
7	7.6	16	e8.7	39	21	46	26	106	12	1,030	7.5	32
8	7.3	14	e8.3	49	e18	151	24	69	14	312	6.1	25
9	6.8	13	e8.3	115	e17	241	21	56	13	756	28	20
10	6.6	124	e8.4	88	e16	99	21	1,010	12	603	28	15
11	5.8	121	8.9	52	e16	66	19	1,530	14	212	13	13
12	5.5	50	8.5	e40	e17	71	17	318	18	125	11	11
13	6.6	34	8.3	32	e17	181	16	150	31	78	9.5	11
14	6.4	26	8.5	27	e14	122	15	98	31	55	7.7	10
15	6.6	23	8.2	e26	e15	94	15	145	17	61	6.5	9.4
16	6.8	20	8.2	e24	e15	87	15	84	14	51	6.1	9.1
17	6.8	18	8.2	e22	e14	73	16	62	13	37	24	8.3
18	7.0	16	13	e21	e14	59	15	49	13	44	9.0	7.1
19	19	15	200	e20	e16	53	14	41	13	33	7.2	7.3
20	9.0	13	169	e22	e18	50	24	36	9.6	25	5.6	7.9
21	7.8	14	77	e21	e23	80	19	32	7.9	47	5.0	7.9
22	7.0	20	51	e19	86	62	16	28	7.6	40	4.5	67
23	6.5	17	35	e17	66	46	14	26	7.3	29	4.2	50
24	6.5	16	29	e16	38	39	13	23	6.8	23	4.8	25
25	16	14	27	e17	e26	35	25	21	6.5	17	4.1	43
26	15	15	19	e16	e21	35	25	19	8.5	16	4.0	70
27	11	13	18	e14	e19	32	18	17	8.3	19	9.1	291
28	10	12	18	e16	e17	33	16	19	7.1	22	9.0	105
29	14	12	18	e16	---	69	16	32	19	17	35	61
30	14	12	95	e16	---	48	14	21	17	13	39	42
31	12	---	308	e16	---	39	---	33	---	12	19	---
TOTAL	285.7	727	1,227.4	1,265	708	2,128	599	4,538	413.6	5,212.1	365.1	3,176.0
MEAN	9.22	24.2	39.6	40.8	25.3	68.6	20.0	146	13.8	168	11.8	106
MAX	19	124	308	201	86	241	35	1,530	31	1,030	39	1,210
MIN	5.5	10	8.2	14	14	15	13	13	6.5	6.6	4.0	7.1
CFSM	0.28	0.73	1.19	1.23	0.76	2.07	0.60	4.41	0.42	5.06	0.35	3.19
IN.	0.32	0.81	1.38	1.42	0.79	2.38	0.67	5.08	0.46	5.84	0.41	3.56

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2003, BY WATER YEAR (WY)

MEAN	15.2	34.9	30.5	40.6	47.2	55.6	53.2	72.0	41.0	36.4	10.5	24.6
MAX	94.3	205	158	129	139	109	96.7	248	158	168	34.8	139
(WY)	(2002)	(1993)	(1991)	(1993)	(1990)	(1990)	(1989)	(1996)	(1998)	(2003)	(1989)	(1989)
MIN	1.59	2.37	3.84	4.73	7.18	11.2	9.73	6.45	4.34	3.08	2.27	1.24
(WY)	(1998)	(1998)	(1998)	(2000)	(1998)	(2000)	(2000)	(1988)	(1988)	(1991)	(1999)	(1999)

SUMMARY STATISTICS

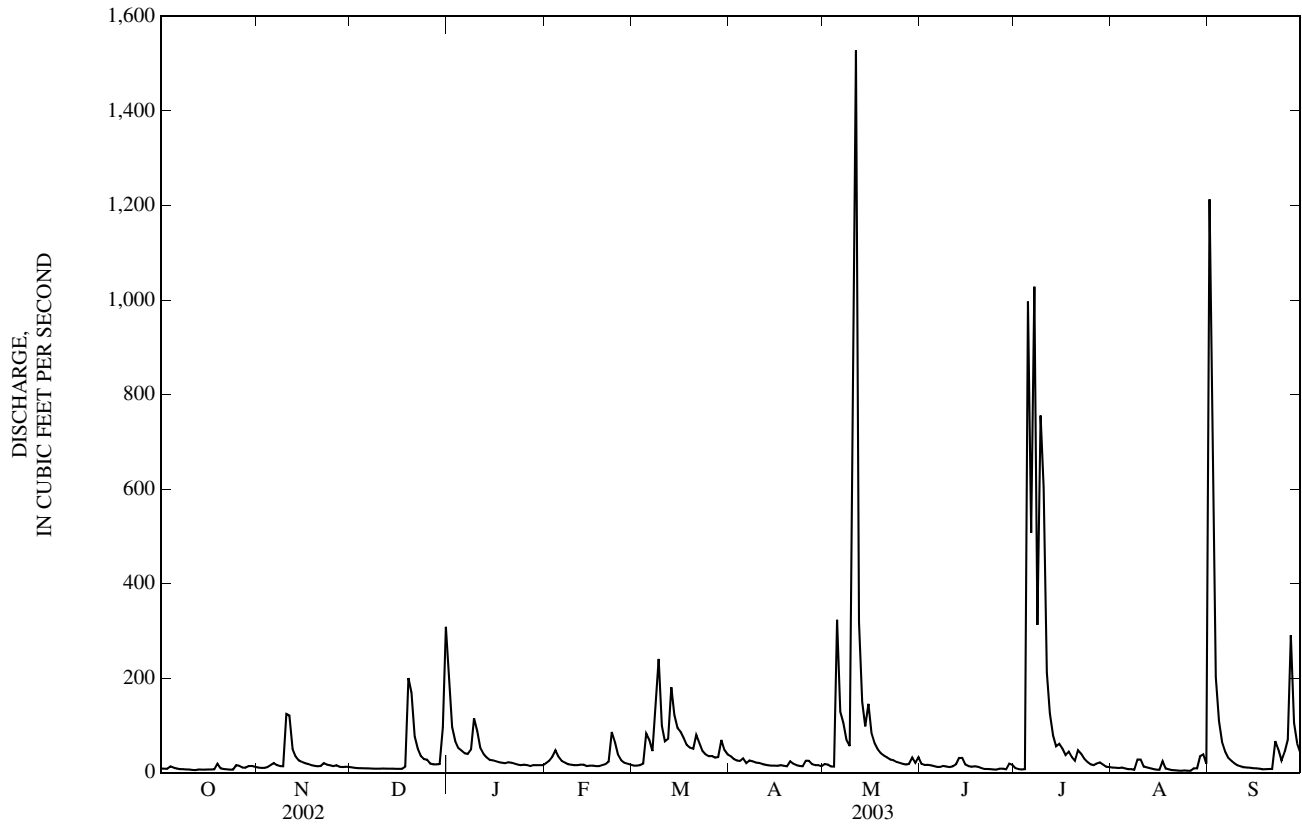
FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1988 - 2003

ANNUAL TOTAL	20,526.3	20,644.9		
ANNUAL MEAN	56.2	56.6	38.4	
HIGHEST ANNUAL MEAN			66.4	2002
LOWEST ANNUAL MEAN			10.0	2000
HIGHEST DAILY MEAN	1,560	May 13	1,530	May 11
LOWEST DAILY MEAN	4.6	Aug 11	4.0	Aug 26
ANNUAL SEVEN-DAY MINIMUM	5.4	Aug 6	4.6	Aug 20
MAXIMUM PEAK FLOW			2,450	May 11
MAXIMUM PEAK STAGE			13.03	May 11
ANNUAL RUNOFF (CFSM)	1.69		1.70	
ANNUAL RUNOFF (INCHES)	23.00		23.13	
10 PERCENT EXCEEDS	122		96	
50 PERCENT EXCEEDS	20		18	
90 PERCENT EXCEEDS	7.3		7.6	

e Estimated



03339500 SUGAR CREEK AT CRAWFORDSVILLE, IN

LOCATION.--Lat 40°02'56", long 86°53'58", in SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.32, T.19 N., R.4 W., Montgomery County, Hydrologic Unit 05120110, (CRAWFORDSVILLE, IN. quadrangle), on left bank 327 ft upstream from Crawfordsville Electric Light and Power Co.'s dam at Crawfordsville, 700 ft upstream from bridge on U.S. Highway 231, 1.0 mi downstream from Walnut Fork Sugar Creek, and at mile 40.4.

DRAINAGE AREA.--509 mi².

PERIOD OF RECORD.--June 1938 to current year.

REVISED RECORDS.--WSP 973: 1939(M), WSP 1275: Drainage area. WSP 1335: 1949.

GAGE.--Water-stage recorder. Datum of gage is 657.77 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 in March 1913 reached a stage of 17.3 ft from information by local resident, discharge, about 36,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	108	116	150	2,780	e105	e195	431	182	586	179	180	3,920
2	93	103	139	1,560	e115	e186	391	195	390	157	169	6,690
3	84	98	133	1,050	e240	e180	338	181	338	136	161	2,900
4	81	97	112	782	e720	e220	318	169	313	127	175	1,640
5	82	101	123	669	e500	964	333	2,650	274	2,870	159	1,040
6	82	114	101	559	e320	1,190	285	2,480	240	7,370	143	706
7	76	133	115	495	e230	710	282	1,910	229	6,220	131	494
8	73	132	119	548	e180	1,420	316	1,700	225	3,510	121	367
9	71	120	99	1,310	e145	3,410	295	1,480	220	6,500	114	290
10	67	491	107	1,570	e120	1,690	276	6,830	198	8,640	142	233
11	63	2,030	112	984	e100	1,070	264	11,900	222	4,490	132	197
12	62	1,180	109	e560	e85	962	250	8,070	273	2,120	108	171
13	62	733	108	e540	e80	3,160	230	2,390	710	1,470	97	155
14	61	525	110	e400	e86	3,870	210	1,580	1,860	1,100	89	147
15	60	418	108	e270	e115	2,120	200	2,220	1,090	907	84	137
16	59	341	104	e210	e90	1,680	198	1,780	700	1,040	78	126
17	60	300	101	e180	e82	1,430	204	1,240	494	775	73	117
18	59	260	106	e170	e75	1,150	200	976	392	625	94	110
19	81	233	435	e160	e85	965	184	802	330	560	91	104
20	107	211	1,430	e155	e130	901	194	667	276	458	75	100
21	101	206	976	e150	e250	898	232	558	237	496	68	96
22	88	208	611	e145	e700	1,020	213	482	216	735	63	144
23	79	207	426	e140	e1,900	761	184	428	197	527	56	418
24	75	204	326	e135	e580	617	168	387	180	418	54	361
25	83	195	306	e110	e340	530	199	354	163	342	52	366
26	92	180	260	e108	e290	468	274	324	156	291	50	592
27	103	170	195	e106	e250	423	242	291	159	262	48	4,320
28	100	158	189	e104	e220	409	204	282	150	285	47	3,260
29	99	158	187	e106	---	487	195	530	146	259	63	1,700
30	104	163	349	e102	---	614	183	395	253	226	130	1,160
31	118	---	2,140	e102	---	488	---	646	---	198	148	---
TOTAL	2,533	9,585	9,886	16,260	8,133	34,188	7,493	54,079	11,217	53,293	3,195	32,061
MEAN	81.7	320	319	525	290	1,103	250	1,744	374	1,719	103	1,069
MAX	118	2,030	2,140	2,780	1,900	3,870	431	11,900	1,860	8,640	180	6,690
MIN	59	97	99	102	75	180	168	169	146	127	47	96
CFSM	0.16	0.63	0.63	1.03	0.57	2.17	0.49	3.43	0.73	3.38	0.20	2.10
IN.	0.19	0.70	0.72	1.19	0.59	2.50	0.55	3.95	0.82	3.89	0.23	2.34

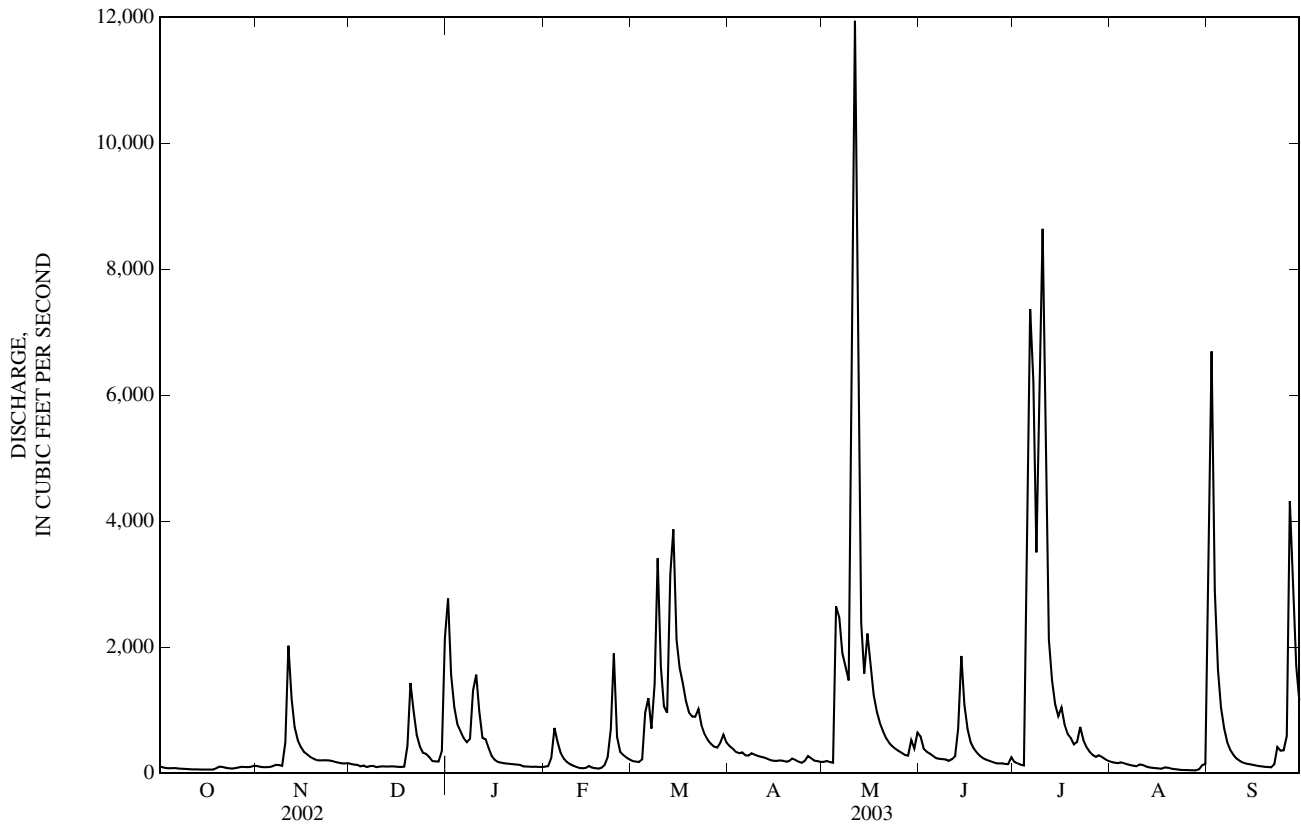
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2003, BY WATER YEAR (WY)

MEAN	158	338	477	609	715	880	844	705	577	330	167	169
MAX	1,098	3,060	2,084	4,163	2,229	2,390	2,592	3,297	2,648	1,719	1,801	1,991
(WY)	(1978)	(1993)	(1991)	(1950)	(1985)	(1978)	(1964)	(1943)	(1957)	(2003)	(1958)	(1989)
MIN	13.1	23.5	17.0	17.1	68.4	79.2	67.1	74.9	32.5	16.6	8.42	4.80
(WY)	(1964)	(1998)	(1964)	(1977)	(1964)	(1941)	(2000)	(1941)	(1988)	(1988)	(1941)	(1941)

03339500 SUGAR CREEK AT CRAWFORDSVILLE, IN—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1939 - 2003	
ANNUAL TOTAL	235,089		241,923			
ANNUAL MEAN	644		663		496	
HIGHEST ANNUAL MEAN					1,086	1950
LOWEST ANNUAL MEAN					65.0	1941
HIGHEST DAILY MEAN	16,800	May 13	11,900	May 11	20,100	Jun 29, 1957
LOWEST DAILY MEAN	22	Aug 12	47	Aug 28	2.4	Sep 24, 1941
ANNUAL SEVEN-DAY MINIMUM	28	Aug 8	53	Aug 22	2.7	Sep 21, 1941
MAXIMUM PEAK FLOW			13,000	May 11	26,300	Jun 28, 1957
MAXIMUM PEAK STAGE			9.90	May 11	14.48	Jun 28, 1957
ANNUAL RUNOFF (CFSM)	1.27		1.30		0.97	
ANNUAL RUNOFF (INCHES)	17.18		17.68		13.24	
10 PERCENT EXCEEDS	1,490		1,600		1,160	
50 PERCENT EXCEEDS	233		220		178	
90 PERCENT EXCEEDS	64		85		28	

e Estimated



03340500 WABASH RIVER AT MONTEZUMA, IN

LOCATION.--Lat 39°47'33", long 87°22'26", in SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.35, T.16 N., R.9 W., Parke County, Hydrologic Unit 05120108, (MONTEZUMA, IN quadrangle), on left bank 20 ft upstream from bridge on U.S. Highway 36 at Montezuma, 2.0 mi upstream from Big Raccoon Creek, 4.9 mi downstream from Sugar Creek, and at mile 240.0.

DRAINAGE AREA.--11,118 mi².

PERIOD OF RECORD.--October 1927 to current year. July 1924 to September 1927 (gage height only) in reports of State of Indiana, Department of Natural Resources.

REVISED RECORDS.--WSP 1335: 1929, 1931(M). WSP 1505: 1954. WSP 1915: 1954(m). WSP 2109: Drainage area. WDR IN-74-1: 1973.

GAGE.--Water-stage recorder. Datum of gage is 457.75 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Oct. 1, 1927, to July 12, 1950, nonrecording gage on downstream side of bridge located 50 ft upstream of present bridge and at same datum. July 12, 1950 to July 27, 1988, recording gage in downstream side of first pier from left bank at same datum.

REMARKS.--Records fair. Flow partially regulated by upstream reservoirs.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 27, 1913, reached a stage of 34.0 ft, from floodmarks, discharge, 230,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,470	2,360	2,500	6,210	2,250	5,320	12,000	3,610	12,000	3,180	13,400	23,600
2	2,510	2,270	2,470	7,750	2,320	5,160	10,800	3,680	11,300	3,070	12,400	44,800
3	2,260	2,120	2,410	12,100	2,610	4,620	8,390	4,270	9,580	2,910	11,700	47,600
4	2,150	2,030	2,180	13,000	3,650	4,200	6,630	4,490	7,500	2,840	12,400	45,500
5	2,170	2,110	2,070	11,700	5,220	4,540	6,100	10,900	6,640	2,720	14,800	41,500
6	2,160	2,190	1,670	10,100	5,300	6,330	7,260	19,200	6,110	15,900	14,800	36,300
7	2,170	2,370	1,440	8,260	5,600	6,350	12,700	22,500	5,510	28,900	13,200	30,600
8	2,190	2,440	1,750	6,380	5,610	6,330	14,100	23,200	5,110	40,300	11,900	24,800
9	2,060	2,230	1,840	5,460	5,040	10,100	14,300	22,100	4,860	53,300	12,400	20,500
10	2,130	2,330	1,970	6,390	4,670	13,900	13,200	27,100	4,620	75,800	12,200	18,000
11	2,170	4,260	1,950	6,470	4,330	15,300	11,500	41,600	4,320	101,000	11,200	15,100
12	2,140	5,180	1,740	5,920	3,820	15,400	10,100	49,200	4,610	108,000	10,100	12,700
13	2,150	4,580	1,790	7,460	3,320	15,100	8,470	48,800	7,660	101,000	9,380	11,100
14	2,110	5,410	1,870	7,020	3,000	18,900	7,340	44,600	14,300	87,800	8,980	10,700
15	2,080	5,630	1,860	5,550	2,980	20,400	6,220	40,700	21,000	75,500	8,850	10,300
16	1,960	5,070	1,750	4,200	2,910	21,100	5,640	38,000	21,800	66,000	8,800	9,390
17	1,890	4,380	1,780	3,010	2,950	21,000	5,330	34,100	17,600	57,100	8,620	7,400
18	1,910	3,890	1,820	2,150	2,730	20,600	4,910	30,600	14,400	50,300	8,230	5,950
19	2,060	3,560	1,810	2,080	2,520	19,400	4,650	27,500	12,200	46,700	8,100	5,520
20	2,280	2,990	2,500	2,190	3,000	17,000	4,480	24,100	10,600	42,600	7,830	5,050
21	2,190	2,730	3,570	2,280	3,710	14,300	4,590	20,600	8,690	37,900	7,140	4,840
22	2,250	2,750	4,020	2,640	4,360	12,700	4,480	18,200	7,250	34,600	6,420	4,940
23	2,170	2,810	7,340	2,840	7,060	12,400	4,360	15,900	6,530	32,400	5,880	4,820
24	2,010	2,790	7,220	2,710	6,690	13,200	4,070	13,700	5,710	31,400	5,880	5,050
25	2,050	2,510	5,820	2,620	5,480	12,500	3,890	12,600	4,790	30,100	5,720	8,100
26	2,120	2,690	4,610	2,620	4,670	10,400	4,460	11,700	4,250	27,600	5,280	11,400
27	2,200	2,850	3,780	2,450	4,720	8,730	4,640	11,200	3,720	23,800	4,920	22,100
28	2,220	2,900	3,270	2,290	5,350	7,570	4,370	10,700	3,460	20,900	4,770	31,000
29	2,240	2,840	2,880	2,310	---	6,550	3,960	10,500	3,190	19,700	4,630	32,700
30	2,290	2,600	2,710	2,270	---	6,230	3,900	10,900	3,100	17,800	8,480	32,800
31	2,350	---	3,240	2,320	---	8,410	---	10,900	---	15,200	12,400	---
TOTAL	67,110	94,870	87,630	160,750	115,870	364,040	216,840	667,150	252,410	1,256,320	290,810	584,160
MEAN	2,165	3,162	2,827	5,185	4,138	11,740	7,228	21,520	8,414	40,530	9,381	19,470
MAX	2,510	5,630	7,340	13,000	7,060	21,100	14,300	49,200	21,800	108,000	14,800	47,600
MIN	1,890	2,030	1,440	2,080	2,250	4,200	3,890	3,610	3,100	2,720	4,630	4,820
CFSM	0.19	0.28	0.25	0.47	0.37	1.06	0.65	1.94	0.76	3.65	0.84	1.75
IN.	0.22	0.32	0.29	0.54	0.39	1.22	0.73	2.23	0.84	4.20	0.97	1.95

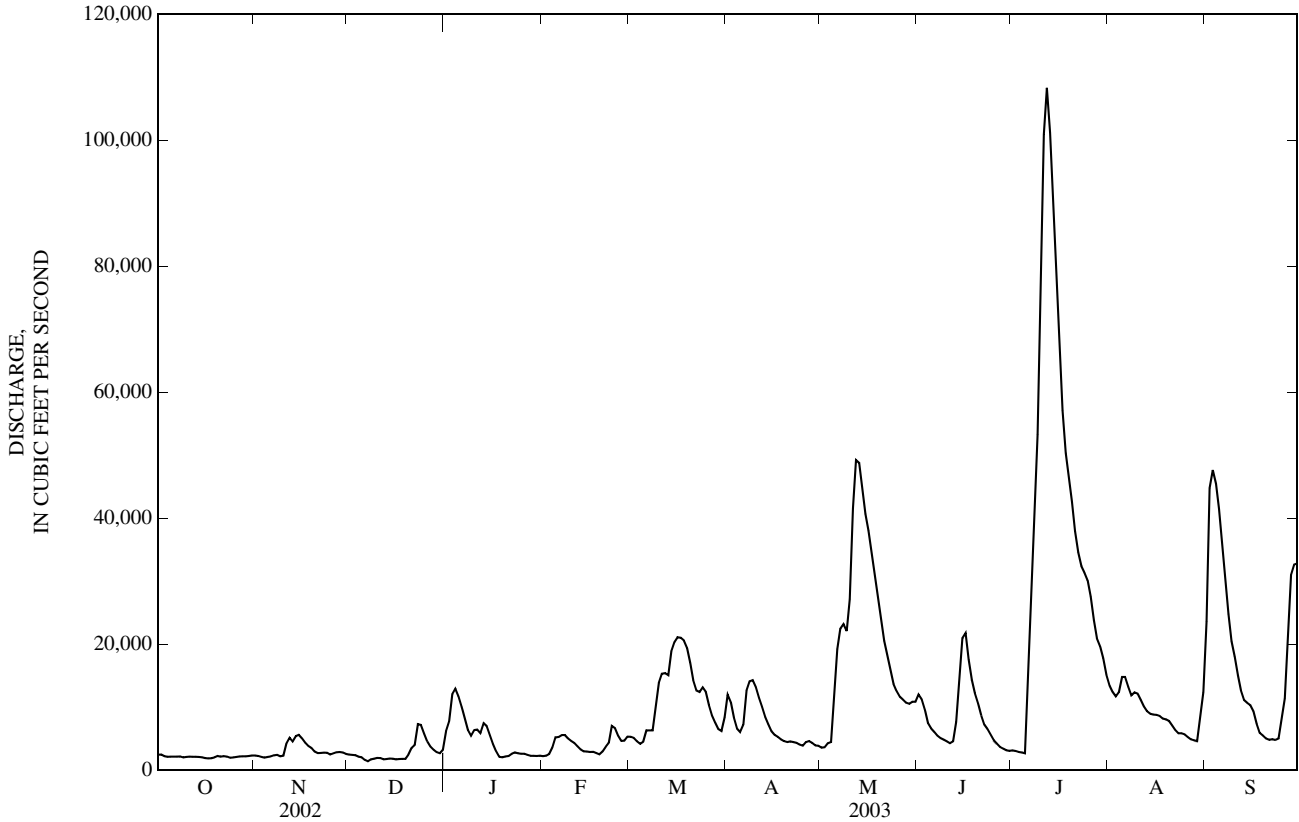
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2003, BY WATER YEAR (WY)

MEAN	4,362	6,147	9,306	12,330	14,230	17,130	17,340	14,120	10,820	7,736	4,535	3,788
MAX	23,630	36,840	40,350	66,690	40,610	49,690	37,650	58,400	42,730	40,530	18,840	19,470
(WY)	(2002)	(1993)	(1928)	(1950)	(1959)	(1982)	(1938)	(1943)	(1958)	(2003)	(1958)	(2003)
MIN	973	1,202	1,041	1,107	1,789	2,370	4,781	2,082	1,357	1,210	815	710
(WY)	(1964)	(1965)	(1964)	(1977)	(1931)	(1941)	(2000)	(1934)	(1934)	(1934)	(1941)	(1941)

WABASH RIVER BASIN

03340500 WABASH RIVER AT MONTEZUMA, IN—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1928 - 2003	
ANNUAL TOTAL	4,341,750		4,157,960		10,130	
ANNUAL MEAN	11,900		11,390		20,290	
HIGHEST ANNUAL MEAN					1950	
LOWEST ANNUAL MEAN					2,506	
HIGHEST DAILY MEAN	76,500	May 14	108,000	Jul 12	182,000	May 20, 1943
LOWEST DAILY MEAN	1,440	Dec 7	1,440	Dec 7	571	Sep 24, 1941
ANNUAL SEVEN-DAY MINIMUM	1,770	Dec 6	1,770	Dec 6	600	Sep 23, 1941
MAXIMUM PEAK FLOW			109,000	Jul 12	184,000	May 20, 1943
MAXIMUM PEAK STAGE			30.43	Jul 12	32.83	May 20, 1943
ANNUAL RUNOFF (CFSM)	1.07		1.02		0.91	
ANNUAL RUNOFF (INCHES)	14.53		13.91		12.38	
10 PERCENT EXCEEDS	30,500		28,100		25,000	
50 PERCENT EXCEEDS	5,820		5,630		5,680	
90 PERCENT EXCEEDS	2,080		2,170		1,740	



03340800 BIG RACCOON CREEK NEAR FINCASTLE, IN

LOCATION.--Lat 39°48'45", long 86°57'14", in NW¼SW¼ sec.22, T.16 N., R.5 W., Putnam County, Hydrologic Unit 05120108, (RUSSELLVILLE, IN quadrangle), on left bank at downstream side of county road bridge, 1.6 mi upstream from Ramp Creek, 3.1 mi west of Fincastle, and at mile 48.8.

DRAINAGE AREA.--139 mi².

PERIOD OF RECORD.--August 1957 to current year. Prior to October 1963, published as Raccoon Creek near Fincastle.

REVISED RECORDS.--WSP 1909: 1958. WSP 2109: Drainage area. WDR IN-79-1: 1978.

GAGE.--Water-stage recorder. Datum of gage is 686.03 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 June 28, 1957, reached a stage of 19.10 ft discharge, 39,900 ft³/s, from slope-area measurement.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	25	29	928	e29	e54	95	56	80	25	42	5,540
2	13	21	26	394	e32	e52	85	56	62	45	39	5,570
3	12	20	24	227	e66	e50	74	50	60	39	40	855
4	11	21	21	155	231	e62	70	45	58	27	79	435
5	11	20	23	133	e135	528	74	1,010	53	155	44	266
6	10	20	23	109	e68	404	63	601	48	1,280	36	179
7	12	26	22	96	e68	191	62	508	45	970	32	127
8	11	32	22	112	e52	506	63	350	48	559	29	99
9	11	28	e21	364	e41	1,140	57	268	48	1,900	27	83
10	10	33	19	309	e33	350	55	2,270	43	2,340	25	71
11	9.3	307	19	e150	e28	211	54	7,120	42	811	24	61
12	8.9	179	19	e98	e24	193	52	1,950	68	386	23	55
13	9.3	97	20	e100	e22	311	47	584	225	238	24	51
14	8.5	69	20	e76	e24	442	43	377	919	158	21	49
15	7.9	55	20	e66	e33	287	42	477	293	131	19	46
16	8.0	48	19	e58	e26	256	42	322	163	106	19	44
17	8.0	41	19	e50	e23	222	45	231	108	84	18	41
18	8.5	37	20	e47	e21	176	44	184	82	77	16	40
19	11	34	172	e44	e24	147	40	148	70	71	14	38
20	11	33	535	e44	e80	135	43	126	60	60	14	37
21	11	31	286	e41	274	131	60	109	51	545	13	37
22	12	31	153	e40	549	134	55	92	47	1,170	13	44
23	12	33	101	e39	540	113	45	85	42	298	12	76
24	11	35	78	e38	189	100	40	78	39	157	11	65
25	12	33	74	e30	e94	91	62	73	35	104	11	56
26	14	31	59	e30	e80	92	117	68	32	82	11	66
27	21	29	45	e29	e70	90	94	63	32	70	10	401
28	20	27	43	e29	e62	86	73	58	31	71	10	307
29	19	27	44	e29	---	125	65	76	27	69	35	171
30	19	27	87	e28	---	133	59	74	25	56	189	116
31	27	---	799	e29	---	107	---	88	---	48	51	---
TOTAL	385.4	1,450	2,862	3,922	2,918	6,919	1,820	17,597	2,936	12,132	951	15,026
MEAN	12.4	48.3	92.3	127	104	223	60.7	568	97.9	391	30.7	501
MAX	27	307	799	928	549	1,140	117	7,120	919	2,340	189	5,570
MIN	7.9	20	19	28	21	50	40	45	25	25	10	37
CFSM	0.09	0.35	0.66	0.91	0.75	1.61	0.44	4.08	0.70	2.82	0.22	3.60
IN.	0.10	0.39	0.77	1.05	0.78	1.85	0.49	4.71	0.79	3.25	0.25	4.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2003, BY WATER YEAR (WY)

MEAN	55.5	124	179	164	202	254	218	198	129	96.6	47.0	50.2
MAX	406	844	913	616	694	683	730	811	614	430	268	545
(WY)	(2002)	(1993)	(1991)	(1974)	(1985)	(1978)	(1964)	(1996)	(1998)	(1979)	(1979)	(1989)
MIN	2.14	2.33	3.91	4.41	14.8	28.6	40.7	19.5	11.1	4.83	2.75	1.62
(WY)	(1998)	(2000)	(1998)	(2000)	(1998)	(1981)	(2000)	(1976)	(1988)	(1991)	(1991)	(1999)

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

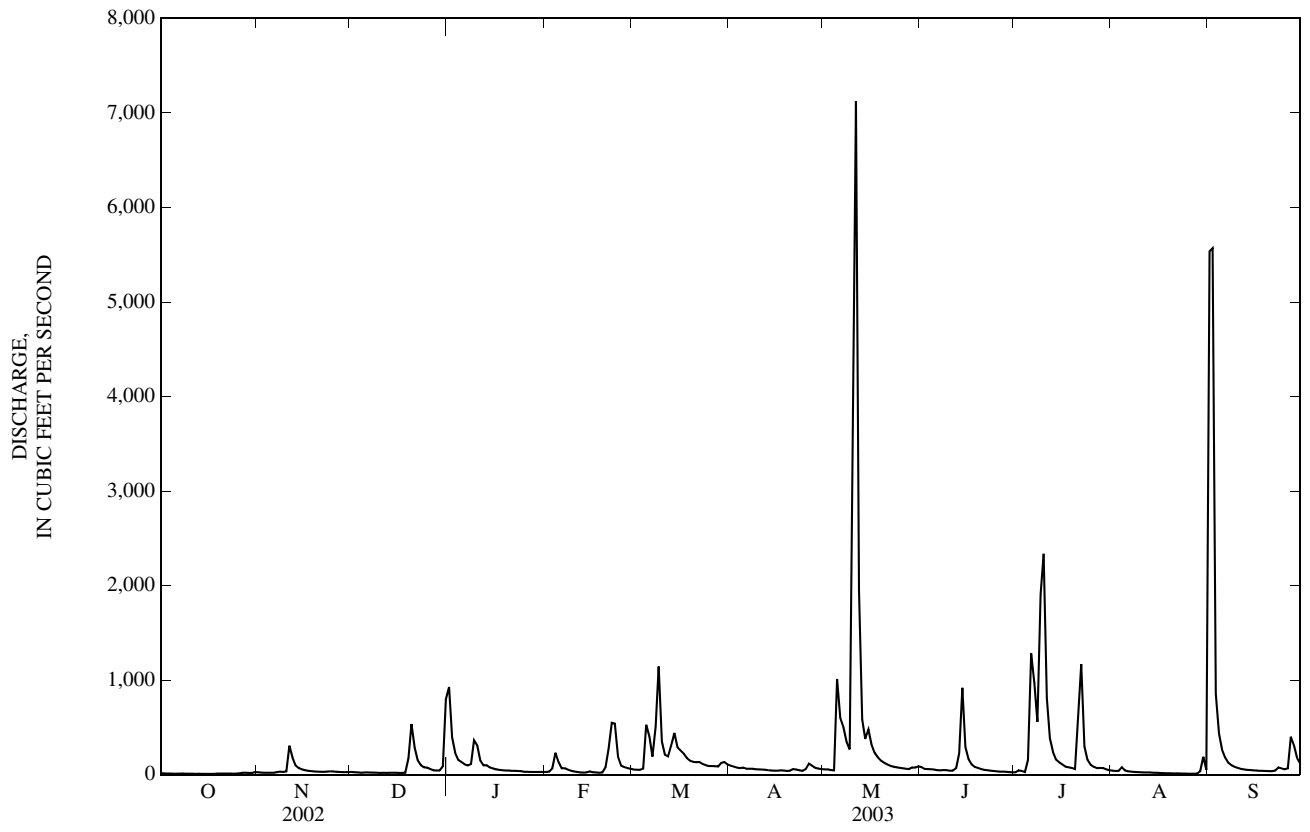
FOR 2003 WATER YEAR

WATER YEARS 1958 - 2003

ANNUAL TOTAL	72,841.0	68,918.4	
ANNUAL MEAN	200	189	143
HIGHEST ANNUAL MEAN			292
LOWEST ANNUAL MEAN			38.5
HIGHEST DAILY MEAN	5,680	May 13	7,120
LOWEST DAILY MEAN	5.6	Sep 13	7.9
ANNUAL SEVEN-DAY MINIMUM	6.2	Sep 13	8.4
MAXIMUM PEAK FLOW			11,300
MAXIMUM PEAK STAGE			16.35
ANNUAL RUNOFF (CFSM)	1.44		1.36
ANNUAL RUNOFF (INCHES)	19.49		18.44
10 PERCENT EXCEEDS	470		356
50 PERCENT EXCEEDS	55		54
90 PERCENT EXCEEDS	11		16

e Estimated

03340800 BIG RACCOON CREEK NEAR FINCASTLE, IN—Continued



WATER-QUALITY RECORDS

INSTRUMENTATION.--Temperature recorder.

PERIOD OF RECORD.--

WATER TEMPERATURE.--September 1987 to April 1993. September 1994 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 26.3°C, Aug. 22, 1998; minimum, -0.3°C, Jan. 30-31, 1996.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 25.1°C, Aug. 8-18, 19, minimum, 1.5°C, Feb. 16.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	22.8	20.7	21.5	13.8	13.4	13.6	6.5	5.0	5.6	3.6	3.4	3.5
2	22.6	21.0	21.5	13.4	13.0	13.2	7.4	5.0	6.0	3.5	3.1	3.3
3	22.7	20.9	21.5	13.0	12.6	12.8	5.8	3.8	4.7	3.5	3.1	3.2
4	21.7	20.1	21.1	12.6	12.2	12.5	4.5	3.5	3.9	3.9	3.4	3.7
5	22.6	19.7	20.7	12.2	11.9	12.1	5.2	3.4	4.1	3.8	3.4	3.6
6	21.6	19.5	20.3	11.9	11.4	11.7	4.8	3.0	3.7	3.4	3.1	3.3
7	21.7	18.8	19.8	11.4	11.1	11.3	5.0	2.9	3.6	3.8	3.1	3.4
8	21.0	18.6	19.5	11.2	11.0	11.1	4.7	2.6	3.5	3.5	3.1	3.3
9	21.1	18.9	19.7	11.3	11.0	11.2	4.3	2.2	3.0	3.6	3.1	3.3
10	20.4	18.8	19.5	11.6	11.3	11.4	3.4	2.4	2.9	---	---	---
11	21.2	18.8	19.8	11.5	11.2	11.4	4.5	2.7	3.3	---	---	---
12	20.2	19.0	19.7	11.2	11.0	11.2	3.8	2.9	3.3	---	---	---
13	20.0	17.5	18.6	11.1	10.8	10.9	3.2	2.9	3.1	3.0	2.2	2.3
14	19.9	17.1	18.0	10.8	10.7	10.8	4.0	2.9	3.2	2.2	1.9	2.1
15	19.7	17.0	18.0	10.7	10.4	10.6	4.6	2.8	3.4	2.4	1.8	2.0
16	19.3	16.9	17.7	10.4	10.0	10.2	4.1	2.8	3.2	---	---	---
17	18.0	16.8	17.1	10.0	9.6	9.8	---	---	---	2.5	1.7	2.0
18	18.6	16.3	17.1	9.7	9.5	9.5	---	---	---	---	---	---
19	18.1	16.9	17.6	9.6	9.2	9.4	6.0	4.5	5.5	3.0	1.8	2.2
20	17.8	17.4	17.6	9.4	9.1	9.2	5.0	4.1	4.4	2.9	2.0	2.3
21	17.4	16.9	17.2	9.1	8.8	9.0	4.4	3.9	4.2	3.4	1.9	2.3
22	17.1	16.8	16.9	8.8	8.5	8.7	4.4	4.1	4.3	2.7	1.8	2.1
23	16.9	16.5	16.8	8.5	8.3	8.4	4.2	4.0	4.1	2.8	1.6	2.0
24	16.5	16.2	16.4	8.6	8.2	8.4	4.3	3.4	3.8	2.7	1.6	2.1
25	16.2	15.9	16.0	8.3	7.9	8.2	3.5	3.2	3.3	3.4	1.9	2.4
26	15.9	15.6	15.8	7.9	7.4	7.6	---	---	---	3.1	1.8	2.3
27	15.6	15.3	15.5	7.4	7.2	7.3	3.3	3.0	3.1	2.5	1.6	2.0
28	15.4	15.1	15.2	7.2	6.8	7.0	4.5	2.8	3.5	2.9	2.1	2.5
29	15.1	14.4	14.7	7.5	6.7	7.0	4.9	2.6	3.4	2.9	2.1	2.5
30	14.4	14.1	14.2	7.3	5.8	6.5	4.3	3.4	4.0	3.8	1.9	2.5
31	14.2	13.8	14.0	---	---	---	4.2	3.5	3.9	3.0	2.3	2.6
MONTH	22.8	13.8	18.0	13.8	5.8	10.1	---	---	---	---	---	---

03340900 BIG RACCOON CREEK AT FERNDALE, IN—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	
													FEBRUARY
1	3.1	2.5	2.7	2.7	2.3	2.4	9.8	7.5	8.6	14.3	12.6	13.2	
2	4.0	2.4	2.9	2.5	2.0	2.3	10.3	8.4	9.1	13.4	12.1	12.8	
3	3.5	2.7	3.1	3.4	1.9	2.4	12.1	8.9	10.1	16.7	11.2	13.3	
4	3.0	2.3	2.5	3.3	2.2	2.6	11.7	10.1	10.7	13.2	11.4	12.2	
5	2.9	2.2	2.6	2.7	2.2	2.5	10.6	9.2	9.9	17.0	12.2	14.0	
6	3.0	2.7	2.8	3.6	2.1	2.6	10.2	8.9	9.4	16.2	12.2	13.9	
7	3.3	2.3	2.8	3.6	2.2	2.7	10.9	9.0	9.8	15.2	12.9	13.6	
8	3.8	2.3	2.8	3.8	2.3	2.9	10.1	8.9	9.6	14.8	12.4	13.3	
9	3.8	2.6	2.9	3.8	2.2	2.8	11.7	8.5	9.5	16.1	13.3	14.2	
10	3.2	2.3	2.8	3.6	2.0	2.7	13.4	8.3	10.4	15.7	13.4	13.9	
11	3.8	2.1	2.8	3.8	2.2	2.9	14.0	8.7	10.9	17.1	12.7	13.8	
12	3.7	2.2	2.6	3.6	2.6	2.9	14.2	9.0	11.1	15.7	12.6	13.7	
13	4.9	2.2	3.0	3.2	2.8	3.0	14.4	8.7	11.2	16.3	12.4	13.8	
14	3.3	2.3	2.7	4.1	2.7	3.2	14.6	9.3	11.4	13.9	13.3	13.6	
15	2.8	1.9	2.4	4.4	2.9	3.4	14.9	10.1	11.7	13.9	13.1	13.5	
16	2.7	1.5	2.2	4.7	3.0	3.5	13.8	10.5	11.7	14.3	13.4	13.7	
17	3.0	2.6	2.7	4.6	3.1	3.8	13.3	11.2	12.1	13.9	13.4	13.7	
18	2.9	2.6	2.7	5.2	3.8	4.4	13.6	10.4	11.7	14.1	13.4	13.8	
19	3.1	2.6	2.8	5.8	4.8	5.2	14.0	10.8	12.1	14.1	13.5	13.8	
20	4.7	2.6	3.2	6.2	4.9	5.3	13.8	11.3	12.3	13.9	13.6	13.8	
21	3.4	2.6	3.0	7.1	4.9	5.9	11.8	10.6	11.2	14.4	13.6	14.1	
22	3.1	2.6	2.9	7.1	5.9	6.4	14.3	10.5	11.9	15.3	14.3	14.8	
23	3.1	2.6	2.8	7.7	6.0	6.6	16.0	9.9	12.3	---	---	---	
24	2.8	2.2	2.6	7.7	5.9	6.6	13.1	10.6	11.8	---	---	---	
25	2.6	2.0	2.2	7.7	5.9	6.9	12.4	10.9	11.7	---	---	---	
26	3.1	2.0	2.3	8.3	6.4	7.0	16.9	11.8	13.6	---	---	---	
27	2.9	1.9	2.3	7.9	6.6	7.0	16.5	10.9	13.2	---	---	---	
28	3.7	2.1	2.5	7.9	6.3	7.0	15.5	11.7	13.0	---	---	---	
29	---	---	---	8.3	7.8	8.0	16.5	11.9	13.6	---	---	---	
30	---	---	---	8.9	8.0	8.4	16.3	12.1	13.7	---	---	---	
31	---	---	---	9.1	7.9	8.3	---	---	---	17.5	16.5	17.1	
MONTH	4.9	1.5	2.7	9.1	1.9	4.6	16.9	7.5	11.3	---	---	---	
		JUNE			JULY			AUGUST			SEPTEMBER		
1	17.1	16.9	17.0	19.8	17.0	18.0	21.3	20.9	21.1	21.5	20.0	21.3	
2	17.1	16.4	16.8	19.7	17.0	18.0	21.4	21.1	21.3	21.4	20.7	21.0	
3	17.0	16.6	16.8	20.2	17.1	18.2	21.7	21.3	21.5	21.4	20.4	20.9	
4	17.1	16.8	16.9	21.0	17.2	18.4	21.8	21.3	21.7	22.0	19.8	20.7	
5	17.2	16.7	16.9	20.3	17.3	18.4	22.3	21.7	22.1	21.8	19.4	20.6	
6	17.2	17.1	17.2	18.6	17.2	17.7	22.5	22.2	22.4	21.7	20.7	21.1	
7	17.4	16.7	17.1	18.2	17.4	17.7	22.7	22.2	22.5	21.6	20.6	21.0	
8	17.3	16.8	17.0	18.3	17.3	17.7	23.1	22.6	22.9	21.4	20.6	20.8	
9	18.0	16.7	17.2	18.2	17.5	17.8	23.5	23.0	23.2	21.2	20.5	20.9	
10	18.0	16.7	17.1	18.1	17.2	17.7	23.6	23.3	23.4	21.2	21.0	21.2	
11	18.0	16.8	17.3	18.3	17.6	17.9	23.9	23.4	23.7	21.3	21.1	21.2	
12	17.7	16.9	17.2	18.4	17.6	17.9	23.9	22.1	23.1	21.4	21.2	21.3	
13	18.1	16.9	17.3	18.4	17.8	18.1	23.5	22.2	22.7	21.5	21.3	21.4	
14	17.3	16.8	17.1	18.6	17.8	18.1	23.7	22.5	22.9	21.5	21.3	21.4	
15	17.9	17.2	17.5	18.4	17.8	18.1	24.2	21.9	22.9	21.6	21.4	21.5	
16	17.9	17.7	17.7	18.9	17.8	18.3	24.0	21.5	22.4	21.8	21.5	21.6	
17	18.0	17.4	17.7	18.8	18.0	18.3	24.8	21.5	22.6	21.9	21.7	21.7	
18	18.3	17.3	17.6	18.8	17.9	18.4	25.1	21.0	22.4	21.9	21.7	21.8	
19	18.3	17.1	17.6	19.0	18.2	18.6	25.1	20.7	22.3	22.2	21.8	22.0	
20	18.7	16.9	17.5	19.1	18.1	18.6	24.8	21.0	22.4	22.1	21.9	22.0	
21	18.6	16.9	17.6	19.0	18.2	18.7	24.9	21.1	22.6	22.0	21.9	22.0	
22	18.4	17.1	17.6	19.1	18.4	18.8	25.0	21.7	22.7	22.0	21.8	21.9	
23	18.8	17.0	17.7	19.0	18.5	18.8	24.5	21.2	22.3	21.9	21.2	21.6	
24	19.1	17.1	17.8	19.3	18.5	18.9	24.7	20.8	22.3	21.9	21.2	21.4	
25	19.1	17.1	17.8	19.5	18.6	19.0	24.4	21.1	22.4	22.1	20.8	21.3	
26	18.1	16.9	17.6	19.6	18.7	19.1	24.9	21.3	22.7	21.1	20.7	20.9	
27	19.9	16.5	17.7	19.8	18.8	19.2	24.9	21.8	22.8	21.5	20.5	20.9	
28	18.9	16.6	17.6	20.0	18.9	19.5	24.8	21.5	22.6	20.8	20.1	20.4	
29	19.9	16.9	18.0	20.5	19.8	20.2	23.4	21.6	22.2	20.6	19.8	20.2	
30	19.9	17.1	18.1	20.8	20.4	20.6	23.9	21.6	22.3	20.2	19.5	19.9	
31	---	---	---	21.0	20.7	20.9	21.7	20.0	21.5	---	---	---	
MONTH	19.9	16.4	17.4	21.0	17.0	18.6	25.1	20.0	22.4	22.2	19.4	21.2	

03341300 BIG RACCOON CREEK AT COXVILLE, IN

LOCATION.--Lat 39°39'09", long 87°17'37", in SW¹/₄SW¹/₄ sec.15, T.14 N., R.8 W., Parke County, Hydrologic Unit 05120108, (MECCA, IN quadrangle), on right bank at downstream side of covered bridge on county road at Coxville, 0.8 mi upstream from Rock Run, 1.5 mi downstream from Little Raccoon Creek, 2.1 mi northwest of Rosedale, and at mile 13.1.

DRAINAGE AREA.--448 mi².

PERIOD OF RECORD.--October 1956 to September 1988 (discharge). October 1988 to September 1992 (gage height only). October 1992 to current year (discharge). Prior to October 1963, published as Raccoon Creek at Coxville.

REVISED RECORDS.--WSP 2109: Drainage area. WDR IN-74-1: 1973.

GAGE.--Water-stage recorder. Datum of gage is 494.00 ft above National Geodetic Vertical Datum of 1929 (Indiana Flood Control and Water Resources Commission bench mark).

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by Cecil M. Harden Lake.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	89	517	133	392	e134	226	210	120	1,220	103	1,010	4,800
2	88	516	110	572	132	230	169	115	1,160	97	1,010	5,660
3	87	518	90	613	148	224	159	108	911	93	1,010	1,840
4	89	516	79	771	328	225	132	103	880	85	1,020	1,210
5	88	519	74	785	274	368	124	620	857	84	1,080	803
6	87	519	69	773	433	425	118	516	843	677	1,380	646
7	86	514	68	719	389	325	118	404	797	507	1,380	551
8	88	516	69	301	212	308	117	327	348	333	1,380	488
9	90	515	66	345	204	343	111	298	282	535	1,380	571
10	89	604	65	364	188	299	106	1,070	218	4,070	1,370	1,080
11	86	763	65	422	175	265	102	4,780	220	1,610	1,360	1,330
12	106	586	63	422	178	247	97	1,830	309	1,050	1,260	1,530
13	154	541	70	420	176	248	94	1,060	388	663	356	1,540
14	89	519	72	268	148	286	90	795	929	488	243	1,540
15	85	505	71	e230	284	275	87	686	898	1,570	208	1,530
16	86	489	71	e224	291	263	84	591	940	1,520	159	1,520
17	83	478	70	e220	334	255	87	517	859	684	141	1,500
18	74	465	60	e216	277	247	88	418	580	643	127	1,480
19	132	459	84	e200	262	242	84	357	301	541	117	1,460
20	501	448	123	e160	300	239	96	325	246	436	110	1,440
21	525	462	139	e154	342	255	117	350	220	508	105	1,420
22	478	543	314	e150	473	256	104	704	206	614	99	1,390
23	481	532	429	e147	868	236	94	1,170	191	550	94	890
24	487	524	424	e146	666	225	87	1,200	180	454	91	399
25	509	509	252	e145	517	225	190	1,210	170	387	88	320
26	521	497	240	e142	381	248	356	1,210	161	347	86	259
27	508	483	236	e140	268	231	216	1,200	140	320	84	481
28	507	470	222	e138	234	223	169	1,190	120	351	81	376
29	527	410	127	e137	---	239	146	1,070	113	717	82	325
30	534	176	122	e136	---	230	129	1,230	107	981	152	425
31	521	---	213	e135	---	219	---	1,280	---	1,010	138	---
TOTAL	7,875	15,113	4,290	9,987	8,616	8,127	3,881	26,854	14,794	22,028	17,201	38,804
MEAN	254	504	138	322	308	262	129	866	493	711	555	1,293
MAX	534	763	429	785	868	425	356	4,780	1,220	4,070	1,380	5,660
MIN	74	176	60	135	132	219	84	103	107	84	81	259
CFSM	0.57	1.12	0.31	0.72	0.69	0.59	0.29	1.93	1.10	1.59	1.24	2.89
IN.	0.65	1.25	0.36	0.83	0.72	0.67	0.32	2.23	1.23	1.83	1.43	3.22

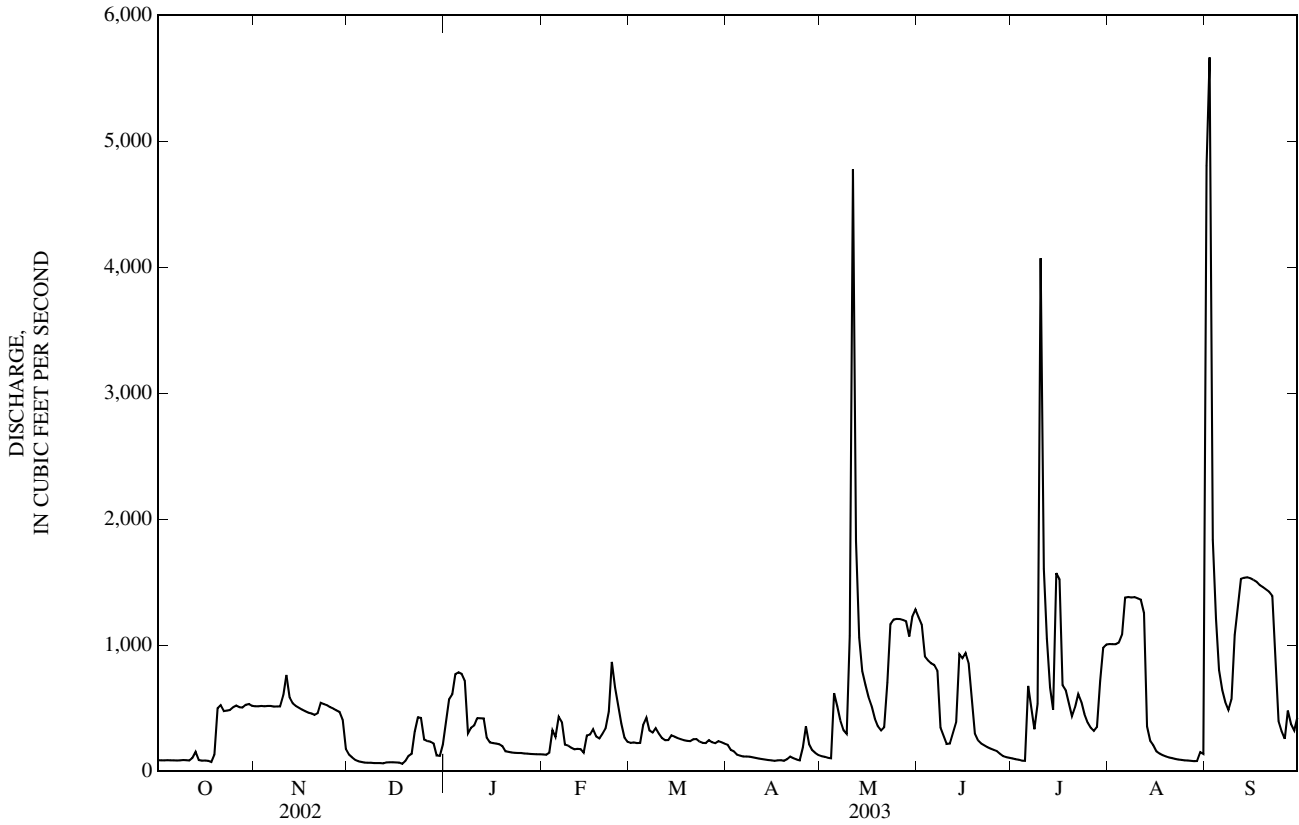
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2003, BY WATER YEAR (WY)

	336	576	619	550	627	644	642	631	541	356	234	235
MEAN	336	576	619	550	627	644	642	631	541	356	234	235
MAX	994	1,684	2,070	1,572	1,648	1,493	1,648	2,596	3,613	1,001	1,062	1,542
(WY)	(1990)	(1994)	(1968)	(1974)	(1969)	(1985)	(1957)	(2002)	(1957)	(1981)	(1958)	(1989)
MIN	17.5	44.3	48.2	25.9	72.8	100	115	86.2	64.2	59.4	34.4	34.6
(WY)	(1957)	(1957)	(1964)	(1977)	(1998)	(2000)	(2000)	(2000)	(1988)	(1988)	(1966)	(1966)

03341300 BIG RACCOON CREEK AT COXVILLE, IN—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1957 - 2003	
ANNUAL TOTAL	259,217		177,570			
ANNUAL MEAN	710		486		497	
HIGHEST ANNUAL MEAN					914 1974	
LOWEST ANNUAL MEAN					160 1966	
HIGHEST DAILY MEAN	6,890	May 13	5,660	Sep 2	51,400	Jun 28, 1957
LOWEST DAILY MEAN	54	Aug 18	60	Dec 18	6.5	Oct 10, 1956
ANNUAL SEVEN-DAY MINIMUM	58	Aug 12	66	Dec 6	8.8	Oct 7, 1956
MAXIMUM PEAK FLOW			7,380	Sep 2	108,000	Jun 28, 1957
MAXIMUM PEAK STAGE			14.65	Sep 2	21.23	Jun 28, 1957
ANNUAL RUNOFF (CF5M)	1.59		1.09		1.11	
ANNUAL RUNOFF (INCHES)	21.52		14.74		15.06	
10 PERCENT EXCEEDS	1,620		1,190		1,180	
50 PERCENT EXCEEDS	478		301		263	
90 PERCENT EXCEEDS	75		88		67	

e Estimated



03341500 WABASH RIVER AT TERRE HAUTE, IN

LOCATION.--Lat 39°28'33", long 87°25'07", in NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.21, T.12 N., R.9 W., Vigo County, Hydrologic Unit 05120111,(TERRE HAUTE, IN quadrangle), on left bank at Indiana America Water Company, Inc., 1st and Elm Streets in Terre Haute, 3.0 mi upstream from Sugar Creek, and 3.6 mi downstream from Lost Creek and at mile 215.

DRAINAGE AREA.--12,263 mi².

PERIOD OF RECORD.--August 1902 to December 1903 (gage height only), February 1905 to July 1906, October 1927 to current year. Gage-height records collected at site 100 ft downstream June 1891 to June 1897 and since December 1904 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 205: 1905. WSP 1335: 1944. WDR IN-73-1: Drainage area. WDR IN-84-1: 1983. WDR IN-86 1: 1913 (Gage height).

GAGE.--Water-stage recorder. Datum of gage is 445.78 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 17, 1984, water-stage recorder at Wabash Avenue bridge 3,400 ft downstream at datum 2.88 ft lower. See WSP 1725 for history of changes prior to Oct. 27, 1928.

REMARKS.--Records fair. Flow partially regulated by upstream reservoirs.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 27, 1913, reached a stage of about 31.2 ft, present site and datum, discharge, 245,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

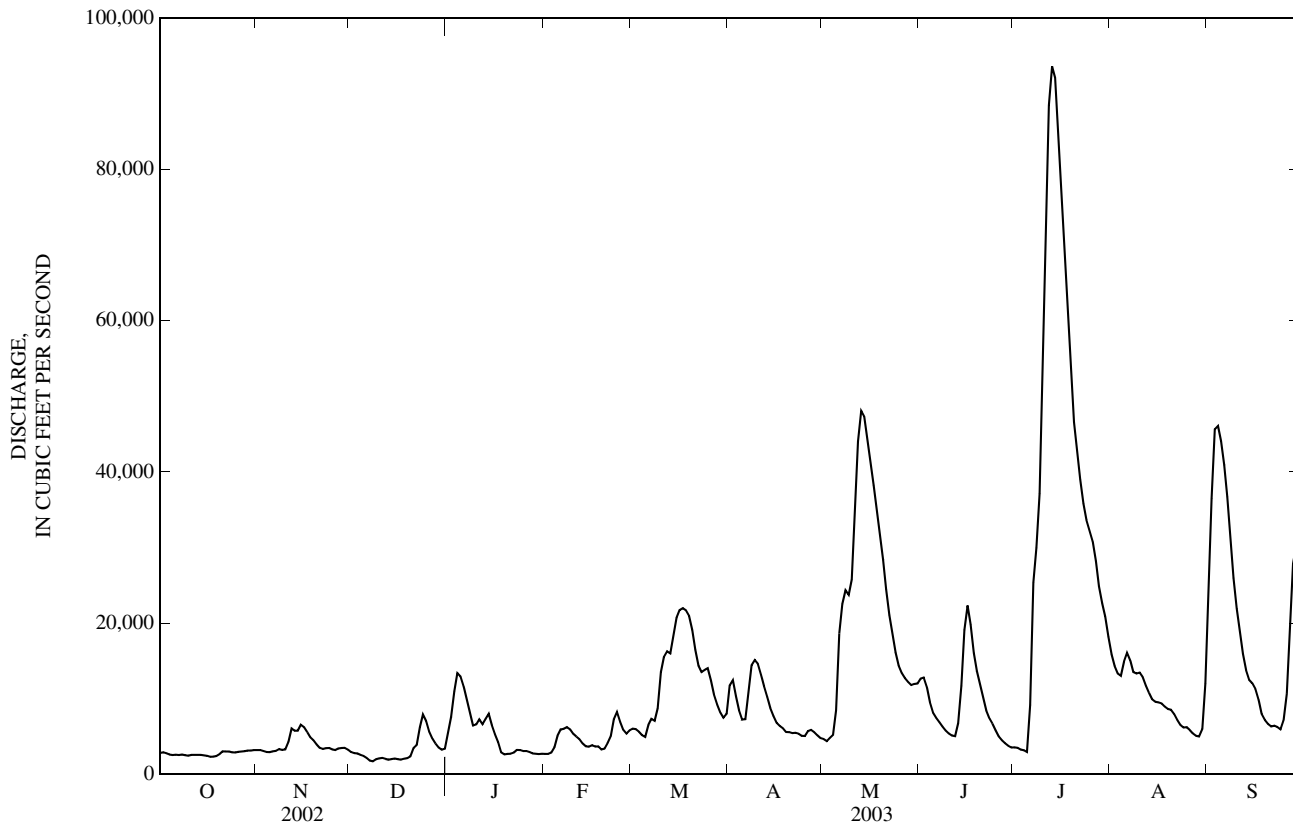
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,840	3,210	2,950	5,570	2,710	6,040	11,800	4,670	12,600	3,560	15,900	21,700
2	2,920	3,210	2,820	7,610	2,690	5,970	12,500	4,390	12,800	3,510	14,300	36,500
3	2,780	3,080	2,760	11,000	2,870	5,630	10,400	4,830	11,500	3,270	13,300	45,600
4	2,620	2,950	2,580	13,400	3,590	5,190	8,430	5,210	9,520	3,190	13,000	46,100
5	2,550	2,930	2,440	12,900	5,090	4,950	7,250	8,460	8,120	2,970	14,900	44,100
6	2,600	3,040	2,160	11,600	5,940	6,540	7,300	18,600	7,470	9,170	16,100	40,900
7	2,550	3,100	1,800	9,870	6,030	7,330	11,100	22,500	6,880	25,400	15,100	36,700
8	2,610	3,350	1,740	8,090	6,250	7,090	14,500	24,300	6,320	29,900	13,500	31,200
9	2,530	3,230	2,000	6,440	5,930	8,740	15,100	23,700	5,780	37,100	13,300	26,000
10	2,470	3,290	2,100	6,600	5,370	13,500	14,600	25,800	5,410	55,600	13,500	21,900
11	2,570	4,270	2,180	7,270	4,990	15,500	13,200	35,100	5,140	74,900	12,900	18,900
12	2,590	6,060	2,050	6,630	4,650	16,300	11,600	44,000	5,040	88,500	11,700	15,900
13	2,570	5,770	1,930	7,350	4,080	16,000	10,200	48,100	6,760	93,600	10,800	13,800
14	2,570	5,780	2,030	8,000	3,710	18,200	8,770	47,300	11,700	92,100	9,930	12,500
15	2,510	6,550	2,090	6,500	3,650	20,700	7,720	44,300	19,100	82,400	9,600	12,000
16	2,450	6,240	2,000	5,330	3,840	21,700	6,820	41,200	22,300	74,100	9,520	11,300
17	2,330	5,590	1,940	4,260	3,680	22,000	6,410	38,200	19,800	64,300	9,360	9,850
18	2,330	4,900	2,070	2,920	3,690	21,700	6,090	34,700	16,000	57,000	8,960	7,970
19	2,430	4,510	2,150	2,640	3,290	21,000	5,600	31,400	13,700	51,500	8,660	7,190
20	2,680	3,980	2,390	2,700	3,400	19,100	5,570	28,300	11,900	46,600	8,530	6,660
21	3,030	3,510	3,500	2,720	4,120	16,500	5,450	24,400	10,100	42,800	7,970	6,340
22	3,030	3,350	3,890	2,860	5,050	14,400	5,490	21,000	8,430	39,000	7,200	6,430
23	3,020	3,460	6,260	3,230	7,270	13,500	5,360	18,700	7,390	35,800	6,540	6,250
24	2,910	3,480	7,930	3,200	8,240	13,800	5,100	16,100	6,690	33,600	6,200	5,950
25	2,890	3,300	7,060	3,090	6,930	14,000	5,070	14,400	5,790	32,200	6,230	7,150
26	2,970	3,200	5,670	3,080	5,900	12,400	5,710	13,400	5,000	30,800	5,850	10,600
27	3,030	3,420	4,730	2,950	5,390	10,600	5,880	12,700	4,510	28,200	5,400	17,800
28	3,050	3,480	4,060	2,780	5,800	9,230	5,580	12,200	4,090	24,800	5,100	27,800
29	3,140	3,510	3,550	2,730	---	8,160	5,170	11,800	3,790	22,600	5,010	30,300
30	3,140	3,270	3,240	2,680	---	7,490	4,810	11,900	3,540	20,900	5,990	31,400
31	3,210	---	3,370	2,720	---	8,000	---	12,000	---	18,200	12,000	---
TOTAL	84,920	119,020	97,440	178,720	134,150	391,260	248,580	703,660	277,170	1,227,570	316,350	616,790
MEAN	2,739	3,967	3,143	5,765	4,791	12,620	8,286	22,700	9,239	39,600	10,200	20,560
MAX	3,210	6,550	7,930	13,400	8,240	22,000	15,100	48,100	22,300	93,600	16,100	46,100
MIN	2,330	2,930	1,740	2,640	2,690	4,950	4,810	4,390	3,540	2,970	5,010	5,950
CFSM	0.22	0.32	0.26	0.47	0.39	1.03	0.68	1.85	0.75	3.23	0.83	1.68
IN.	0.26	0.36	0.30	0.54	0.41	1.19	0.75	2.13	0.84	3.72	0.96	1.87

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2003, BY WATER YEAR (WY)

MEAN	4,843	6,743	10,190	13,550	15,600	18,630	19,000	15,800	12,050	8,561	5,106	4,226
MAX	24,900	40,220	44,490	77,540	47,990	51,250	41,940	64,810	44,130	39,600	21,330	21,440
(WY)	(2002)	(1993)	(1928)	(1950)	(1950)	(1982)	(1938)	(1943)	(1958)	(2003)	(1958)	(1989)
MIN	1,103	1,405	1,145	1,216	1,998	2,645	5,250	2,405	1,492	1,292	1,002	966
(WY)	(1957)	(1954)	(1964)	(1977)	(1963)	(1941)	(1931)	(1934)	(1934)	(1936)	(1941)	(1941)

03341500 WABASH RIVER AT TERRE HAUTE, IN—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1928 - 2003	
ANNUAL TOTAL	4,881,810		4,395,630			
ANNUAL MEAN	13,370		12,040		11,170	
HIGHEST ANNUAL MEAN					22,800	1950
LOWEST ANNUAL MEAN					2,864	1931
HIGHEST DAILY MEAN	77,500	May 15	93,600	Jul 13	186,000	May 20, 1943
LOWEST DAILY MEAN	1,740	Dec 8	1,740	Dec 8	701	Aug 3, 1934
ANNUAL SEVEN-DAY MINIMUM	1,970	Dec 7	1,970	Dec 7	732	Sep 24, 1941
MAXIMUM PEAK FLOW			96,200	Jul 13	189,000	May 20, 1943
MAXIMUM PEAK STAGE			25.03	Jul 13	30.50	May 20, 1943
ANNUAL RUNOFF (CF5M)	1.09		0.98		0.91	
ANNUAL RUNOFF (INCHES)	14.81		13.33		12.37	
10 PERCENT EXCEEDS	32,600		30,100		27,600	
50 PERCENT EXCEEDS	6,900		6,500		6,450	
90 PERCENT EXCEEDS	2,480		2,690		2,000	



03342000 WABASH RIVER AT RIVERTON, IN

LOCATION.--Lat 39°01'13", long 87°34'07", in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.30, T.7 N., R.10 W., Sullivan County, Hydrologic Unit 05120111, (MEROM, IN-IL quadrangle), on left bank at downstream side of Illinois Central Railroad bridge at Riverton, 0.5 mi downstream from Turtle Creek, 2 mi south of Merom, and at mile 162.0.

DRAINAGE AREA.--13,161 mi².

PERIOD OF RECORD.--October 1938 to current year. Prior to April 1939 monthly discharge only, published in WSP 1305. June 1911 to December 1914 (gage heights only) available in the U.S. Army Corps of Engineers office, Louisville, Ky.

REVISED RECORDS.--WSP 1335: 1939, 1950. WDR IN-73-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 414.65 ft above National Geodetic Vertical Datum of 1929. Prior to July 17, 1951, nonrecording gage at same site and datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow partially regulated by upstream reservoirs.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 28, 1913, reached a stage of 26.4 ft, from graph based on once-daily readings by Illinois Central Railroad Co., discharge, 250,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,000	3,100	3,380	4,600	2,800	5,940	8,390	4,880	13,400	4,690	e22,200	17,900
2	2,900	3,070	3,120	6,240	2,790	6,140	11,600	4,730	14,000	4,680	e19,200	29,700
3	2,930	3,050	3,000	7,890	2,810	6,120	11,700	4,470	13,800	4,610	e17,300	33,900
4	2,870	2,960	2,940	11,300	2,980	5,850	9,800	4,760	12,400	4,390	e15,800	37,300
5	2,710	2,870	2,810	13,000	3,620	5,960	8,120	6,480	10,500	4,280	e15,400	40,600
6	2,640	2,860	2,660	12,400	4,910	5,930	7,160	11,800	9,280	4,140	e16,900	43,200
7	2,640	2,920	2,450	11,000	5,580	6,940	7,500	19,300	8,600	13,500	e17,400	44,700
8	2,630	2,980	2,190	9,430	5,740	7,360	11,400	23,000	8,000	23,800	e16,300	44,800
9	2,640	3,130	2,090	7,760	5,860	7,210	13,900	24,500	7,400	27,000	e14,900	43,300
10	2,590	3,160	2,230	6,460	5,600	9,510	14,500	25,200	6,920	30,500	e14,700	39,000
11	2,550	3,340	2,320	6,610	5,160	13,400	13,900	31,400	6,710	34,600	e14,600	31,700
12	2,600	4,340	2,380	6,960	4,790	15,300	e12,500	34,400	6,990	42,900	e13,800	25,300
13	2,600	5,500	2,300	6,520	4,470	15,900	e11,000	37,700	6,840	54,800	e12,800	20,300
14	2,580	5,290	2,210	7,250	4,040	16,100	e9,660	41,800	9,060	71,800	11,800	16,800
15	2,570	5,490	2,240	7,400	4,070	18,600	e8,380	45,900	14,600	88,200	11,100	14,900
16	2,520	5,980	2,290	6,370	4,610	20,500	e7,360	48,900	20,500	95,500	10,700	13,800
17	2,470	5,720	2,260	5,470	4,210	21,400	6,670	49,700	22,300	96,700	10,600	12,700
18	2,390	5,210	2,220	4,400	3,970	21,700	6,240	48,800	20,100	93,900	10,400	11,100
19	2,390	4,710	2,520	3,450	3,870	21,700	5,880	e46,700	17,000	89,000	9,920	9,380
20	2,430	4,400	2,870	3,030	3,650	21,000	5,570	e44,000	14,700	e80,900	9,630	8,530
21	2,630	4,010	2,950	3,000	4,510	19,200	5,530	e40,000	12,900	e72,700	9,370	7,950
22	2,900	3,650	3,600	2,990	5,720	16,700	5,380	e33,900	11,100	e65,500	8,780	7,830
23	2,920	3,520	4,030	3,040	8,400	14,500	5,300	e27,600	9,480	e58,800	8,040	7,760
24	2,930	3,560	6,260	3,280	8,900	13,600	5,150	e23,400	8,470	e53,000	7,410	7,430
25	2,920	3,580	7,430	3,270	8,400	13,900	5,300	e19,800	7,720	e48,400	7,110	7,160
26	2,890	3,440	6,580	3,170	7,080	14,200	6,010	e17,300	6,870	e44,800	7,030	8,690
27	2,900	3,360	5,490	3,130	6,110	12,400	6,080	e15,700	6,140	e41,800	6,660	14,100
28	2,920	3,510	4,690	3,040	5,650	10,500	5,910	e14,600	5,610	e39,400	6,260	21,700
29	3,060	3,570	4,130	2,910	---	9,230	5,660	e13,900	5,210	e35,000	6,020	26,300
30	3,160	3,550	3,720	2,860	---	8,200	5,190	13,400	4,920	e29,500	5,900	28,000
31	3,130	---	3,660	2,810	---	7,500	---	13,400	---	e25,800	8,090	---
TOTAL	85,010	115,830	103,020	181,040	140,300	392,490	246,740	791,420	321,520	1,384,590	366,120	675,830
MEAN	2,742	3,861	3,323	5,840	5,011	12,660	8,225	25,530	10,720	44,660	11,810	22,530
MAX	3,160	5,980	7,430	13,000	8,900	21,700	14,500	49,700	22,300	96,700	22,200	44,800
MIN	2,390	2,860	2,090	2,810	2,790	5,850	5,150	4,470	4,920	4,140	5,900	7,160
CFSM	0.21	0.29	0.25	0.44	0.38	0.96	0.62	1.94	0.81	3.39	0.90	1.71
IN.	0.24	0.33	0.29	0.51	0.40	1.11	0.70	2.24	0.91	3.91	1.03	1.91

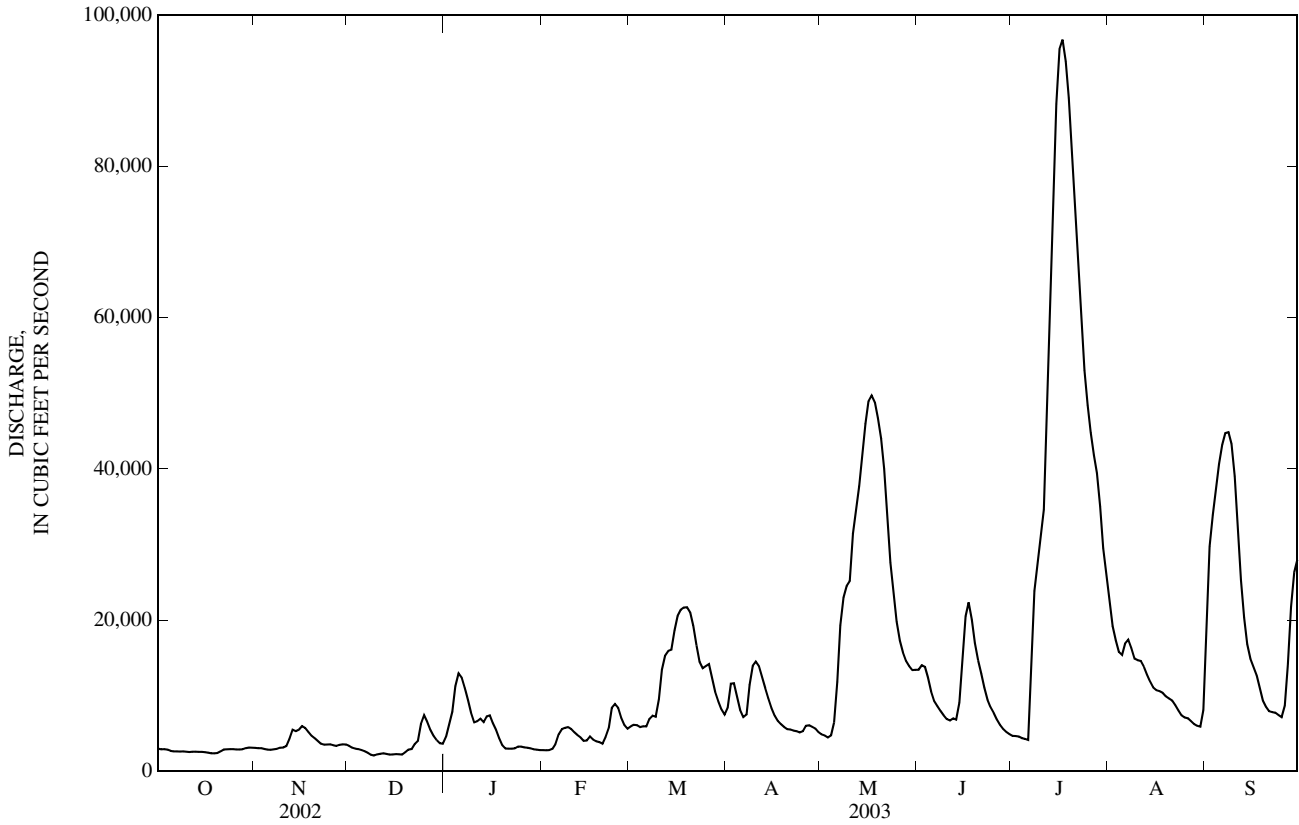
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2003, BY WATER YEAR (WY)

MEAN	5,195	7,347	10,800	13,570	17,120	20,700	20,960	17,800	13,980	9,749	5,919	4,827
MAX	26,610	39,340	39,250	80,210	54,530	60,520	41,840	68,010	45,640	44,660	23,680	25,370
(WY)	(2002)	(1993)	(1986)	(1950)	(1950)	(1982)	(1957)	(1943)	(1958)	(2003)	(1958)	(1989)
MIN	1,382	1,437	1,213	1,318	2,058	2,763	5,623	3,435	2,601	1,968	1,215	1,261
(WY)	(1957)	(1954)	(1964)	(1977)	(1963)	(1941)	(2000)	(1941)	(1977)	(1988)	(1941)	(1940)

03342000 WABASH RIVER AT RIVERTON, IN—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1940 - 2003	
ANNUAL TOTAL	5,573,710		4,803,910		12,300	
ANNUAL MEAN	15,270		13,160		24,340	
HIGHEST ANNUAL MEAN					3,206	
LOWEST ANNUAL MEAN					200,000	
HIGHEST DAILY MEAN	85,600	May 17	96,700	Jul 17	200,000	May 21, 1943
LOWEST DAILY MEAN	2,090	Dec 9	2,090	Dec 9	858	Sep 27, 1941
ANNUAL SEVEN-DAY MINIMUM	2,250	Dec 8	2,250	Dec 8	870	Sep 25, 1941
MAXIMUM PEAK FLOW			97,100	Jul 17	201,000	May 21, 1943
MAXIMUM PEAK STAGE			23.61	Jul 17	29.36	May 21, 1943
ANNUAL RUNOFF (CFSM)	1.16		1.00		0.93	
ANNUAL RUNOFF (INCHES)	15.75		13.58		12.70	
10 PERCENT EXCEEDS	36,900		34,100		30,000	
50 PERCENT EXCEEDS	7,130		7,030		7,220	
90 PERCENT EXCEEDS	2,640		2,840		2,270	

e Estimated



03342100 BUSSEYON CREEK NEAR HYMERA, IN

LOCATION.--Lat 39°12'54", long 87°18'41", in NW¼NW¼ sec.21, T.9 N., R.8 W., Sullivan County, Hydrologic Unit 05120111, (HYMERA, IN. quadrangle), on right bank at downstream side of bridge on County Road 900 North, 1.3 mi upstream from East Fork Busseron Creek, 1.9 mi northwest of Hymera, 4.1 mi upstream from West Fork Busseron Creek, and at mile 30.3.

DRAINAGE AREA.--16.7 mi².

PERIOD OF RECORD.--June 1966 to October 2003 (discontinued).

REVISED RECORDS.--WDR IN-72-1: 1971. WDR IN-87-1: 1982-86.

GAGE.--Water-stage recorder. Datum of gage is 480.00 ft above National Geodetic Vertical Datum of 1929 (U.S. Soil Conservation Service bench mark).

REMARKS.--Records poor. Flow affected by U.S. Soil Conservation Service floodwater-retarding structures.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.00	e0.38	e0.10	57	1.9	27	15	e25	e2.7	1.9	9.6	596
2	e0.00	e0.18	e0.10	38	2.4	26	12	e20	e2.1	2.3	8.1	956
3	e0.00	e0.16	e0.10	30	4.6	24	9.2	e13	e2.1	2.2	6.0	136
4	e0.00	e0.16	e0.10	24	e10	35	7.7	e10	e1.9	2.2	5.3	68
5	e0.00	e0.16	e0.09	21	e6.0	74	13	e239	e1.7	2.1	4.5	51
6	e0.00	e0.16	e0.10	19	e4.0	57	9.2	e77	e1.4	1.8	4.1	40
7	e0.00	e0.18	e0.10	15	e3.0	47	7.9	e122	e1.3	1.6	3.7	30
8	e0.00	e0.16	e0.11	13	e2.5	40	6.8	e57	e1.2	1.5	3.3	24
9	e0.00	e0.14	e0.10	10	e2.2	38	5.8	e50	e1.1	1.6	3.0	18
10	e0.00	e4.0	e0.12	8.7	e2.0	30	5.2	e158	e1.2	17	2.6	14
11	e0.00	e3.3	e0.11	e7.2	e1.8	24	4.5	e238	e1.9	9.4	2.4	13
12	e0.00	e1.5	e0.13	e5.6	e1.7	20	3.8	e73	e11	6.1	2.8	15
13	e0.00	e0.70	e0.23	e4.8	e1.7	25	3.3	e52	e6.4	4.2	2.2	14
14	e0.00	e0.50	e0.19	e4.0	e3.0	28	2.9	e41	e32	3.0	1.8	12
15	e0.00	e0.37	e0.17	e3.3	106	21	2.5	e37	e13	2.7	1.9	10
16	e0.00	e0.25	e0.16	e2.8	55	17	2.1	e31	e8.2	2.5	2.7	9.2
17	e0.00	e0.21	e0.19	e2.3	56	13	2.7	e27	e5.9	2.7	2.9	8.0
18	e0.00	e0.18	e10	e2.0	22	11	2.3	e22	e4.6	47	2.2	7.1
19	e0.00	e0.17	e70	e1.8	17	11	2.1	e18	e3.7	23	2.0	6.4
20	e0.00	e0.16	e50	e1.6	33	12	4.1	e16	e3.1	15	1.7	5.9
21	e0.00	e0.15	e35	e1.4	64	44	6.3	e14	e2.4	49	1.5	5.4
22	e0.00	e0.14	e26	e1.3	178	35	4.4	e12	e1.9	31	1.6	43
23	e0.00	e0.15	22	e1.2	108	26	3.5	e11	e1.7	19	1.5	18
24	e0.00	e0.15	19	e1.2	72	20	2.7	e10	e1.6	12	1.3	13
25	e0.10	e0.14	17	e1.2	57	25	68	e9.6	e1.5	8.6	1.1	11
26	e0.60	e0.12	13	e1.3	43	45	62	e8.7	1.6	7.0	1.0	13
27	e0.50	e0.12	12	e1.3	34	31	e28	e7.6	1.4	6.0	1.0	160
28	e0.30	e0.11	11	e1.3	29	23	e19	e6.1	1.3	22	0.96	55
29	e3.0	e0.11	11	e1.4	---	30	e16	e5.6	1.2	17	1.3	47
30	e1.8	e0.11	26	e1.4	---	24	e13	e4.6	1.3	12	1.2	37
31	e0.74	---	83	1.4	---	19	---	e3.7	---	11	59	---
TOTAL	7.04	14.32	407.20	285.5	920.8	902	345.0	1,418.9	122.4	344.4	144.26	2,436.0
MEAN	0.23	0.48	13.1	9.21	32.9	29.1	11.5	45.8	4.08	11.1	4.65	81.2
MAX	3.0	4.0	83	57	178	74	68	239	32	49	59	956
MIN	0.00	0.11	0.09	1.2	1.7	11	2.1	3.7	1.1	1.5	0.96	5.4
CFSM	0.01	0.03	0.79	0.55	1.97	1.74	0.69	2.74	0.24	0.67	0.28	4.86
IN.	0.02	0.03	0.91	0.64	2.05	2.01	0.77	3.16	0.27	0.77	0.32	5.43

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2003, BY WATER YEAR (WY)

MEAN	4.79	14.9	22.8	23.5	26.8	32.8	32.3	25.8	12.7	12.0	4.81	9.26
MAX	62.3	79.0	96.8	105	67.4	112	74.9	122	58.5	79.3	25.4	81.2
(WY)	(2001)	(1994)	(1983)	(1969)	(1971)	(1973)	(1992)	(2002)	(2001)	(1973)	(1979)	(2003)
MIN	0.020	0.058	0.026	0.006	1.63	3.52	1.48	1.23	0.22	0.17	0.065	0.000
(WY)	(1988)	(1972)	(1977)	(1977)	(1978)	(2000)	(1971)	(1976)	(1977)	(1972)	(1983)	(1999)

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

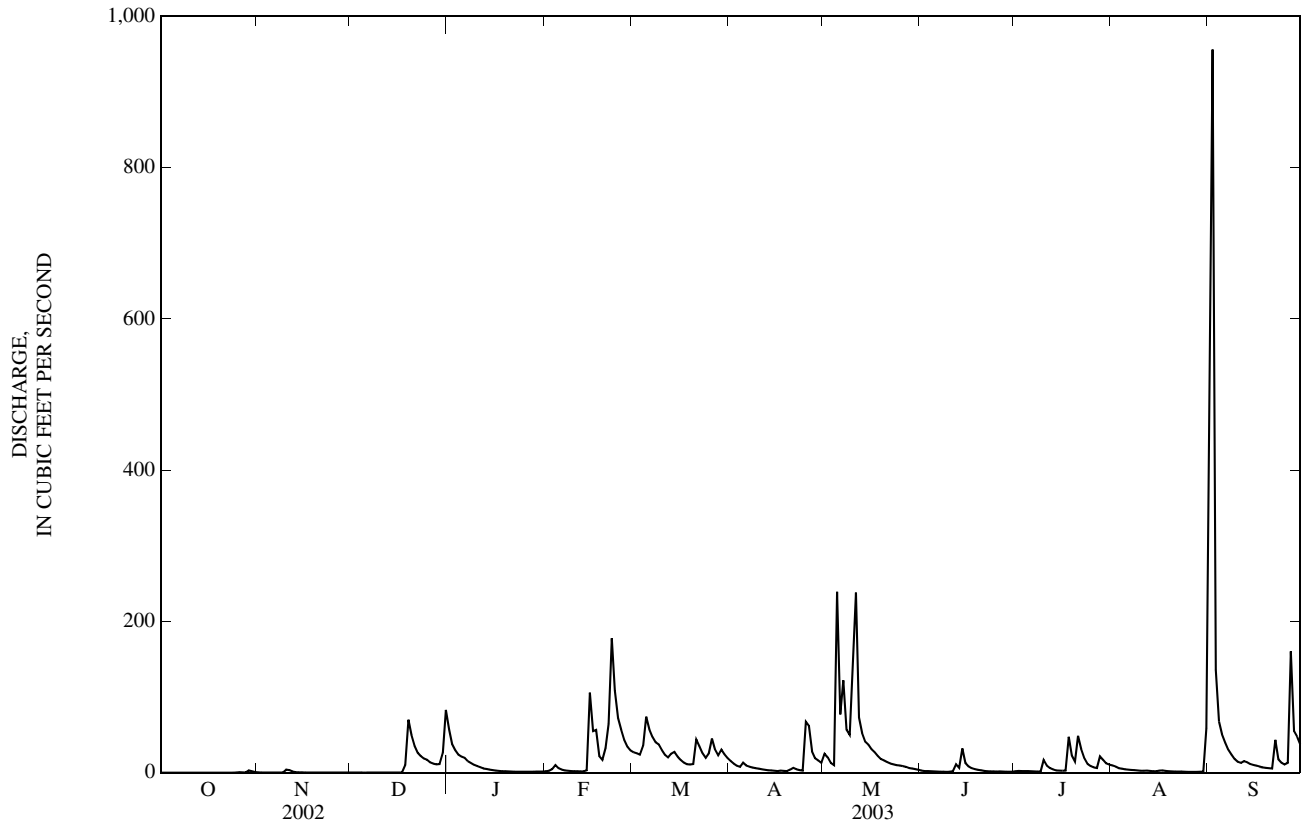
FOR 2003 WATER YEAR

WATER YEARS 1967 - 2003

ANNUAL TOTAL	7,838.41	7,347.82	
ANNUAL MEAN	21.5	20.1	18.5
HIGHEST ANNUAL MEAN			36.1
LOWEST ANNUAL MEAN			6.93
HIGHEST DAILY MEAN	1,230	956	1,250
LOWEST DAILY MEAN	0.00	0.00	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	0.00	0.00
MAXIMUM PEAK FLOW		1,650	2,430
MAXIMUM PEAK STAGE		18.65	19.51
ANNUAL RUNOFF (CFSM)	1.29	1.21	1.11
ANNUAL RUNOFF (INCHES)	17.46	16.37	15.03
10 PERCENT EXCEEDS	49	47	44
50 PERCENT EXCEEDS	1.7	4.5	3.7
90 PERCENT EXCEEDS	0.00	0.11	0.10

e Estimated

03342100 BUSSERON CREEK NEAR HYMERA, IN—Continued



03342500 BUSSERON CREEK NEAR CARLISLE, IN

LOCATION.--Lat 38°58'27", long 87°25'33", in NW¹/₄ survey 17, Vincennes Tract, Sullivan County, Hydrologic Unit 05120111, (CARLISLE, IN quadrangle), on left bank 10 ft downstream from bridge on State Highway 58, 1.5 mi northwest of Carlisle, and 6.7 mi upstream from mouth, and 7.5 mi south of Sullivan.

DRAINAGE AREA.--228 mi².

PERIOD OF RECORD.--October 1943 to October 2003 (discontinued).

REVISED RECORDS.--WSP 1335: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 425.36 ft above National Geodetic Vertical Datum of 1929 (Indiana Department of Highways bench mark). Prior to Nov. 8, 1950, nonrecording gage at same site and datum. Nov. 8, 1950, to Oct. 31, 1969, at site 200 ft upstream at same datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow affected by U.S. Soil Conservation Service floodwater-retarding structures and surface-mined areas. Gage can be in backwater at times from the Wabash River.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	31	12	519	30	284	139	198	38	23	82	1,100
2	9.0	22	11	315	33	309	117	240	32	23	71	1,490
3	8.2	19	11	232	44	301	106	176	37	23	257	1,570
4	9.4	19	11	168	99	390	92	137	41	21	79	1,750
5	12	19	9.9	156	e94	726	100	1,170	34	19	66	1,700
6	12	19	11	142	e62	581	98	1,190	31	17	55	1,030
7	9.8	21	11	116	e54	439	87	798	30	16	53	469
8	9.0	18	12	100	e47	367	80	647	29	15	48	343
9	8.9	16	11	88	e44	320	73	894	27	17	40	263
10	7.9	179	14	74	e41	243	67	882	28	546	35	182
11	7.2	152	12	e54	e39	190	64	1,460	77	336	29	131
12	7.5	84	14	e47	e38	164	61	1,460	684	142	26	103
13	7.3	50	17	e44	e38	245	52	1,120	385	159	25	83
14	6.9	39	30	e41	e42	295	47	563	384	375	27	73
15	6.8	34	25	e37	265	224	45	449	299	688	26	62
16	6.6	28	21	e35	416	185	44	384	165	873	23	53
17	6.8	25	19	e32	216	162	46	334	118	932	23	45
18	7.2	21	22	e31	204	144	52	296	92	1,070	31	40
19	9.7	19	397	e29	135	174	48	246	78	1,100	25	37
20	11	18	424	e29	166	203	100	192	75	806	21	33
21	12	17	227	e27	405	306	225	146	58	659	19	30
22	10	16	137	e25	1,300	348	121	112	47	596	18	217
23	10	17	97	e24	1,470	226	88	86	41	424	16	186
24	9.6	17	77	e23	1,260	180	72	76	37	308	16	77
25	27	16	72	23	761	150	460	69	33	209	14	59
26	28	15	67	25	469	220	847	62	31	136	12	57
27	19	14	57	25	359	196	414	55	28	89	12	975
28	16	13	54	26	303	159	262	49	25	225	12	935
29	132	12	61	27	---	253	312	46	23	241	14	392
30	99	12	98	26	---	234	248	43	22	134	31	243
31	52	---	350	28	---	170	---	44	---	98	1,280	---
TOTAL	588.8	982	2,391.9	2,568	8,434	8,388	4,567	13,624	3,029	10,320	2,486	13,728
MEAN	19.0	32.7	77.2	82.8	301	271	152	439	101	333	80.2	458
MAX	132	179	424	519	1,470	726	847	1,460	684	1,100	1,280	1,750
MIN	6.6	12	9.9	23	30	144	44	43	22	15	12	30
CFSM	0.08	0.14	0.34	0.36	1.32	1.19	0.67	1.93	0.44	1.46	0.35	2.01
IN.	0.10	0.16	0.39	0.42	1.38	1.37	0.75	2.22	0.49	1.68	0.41	2.24

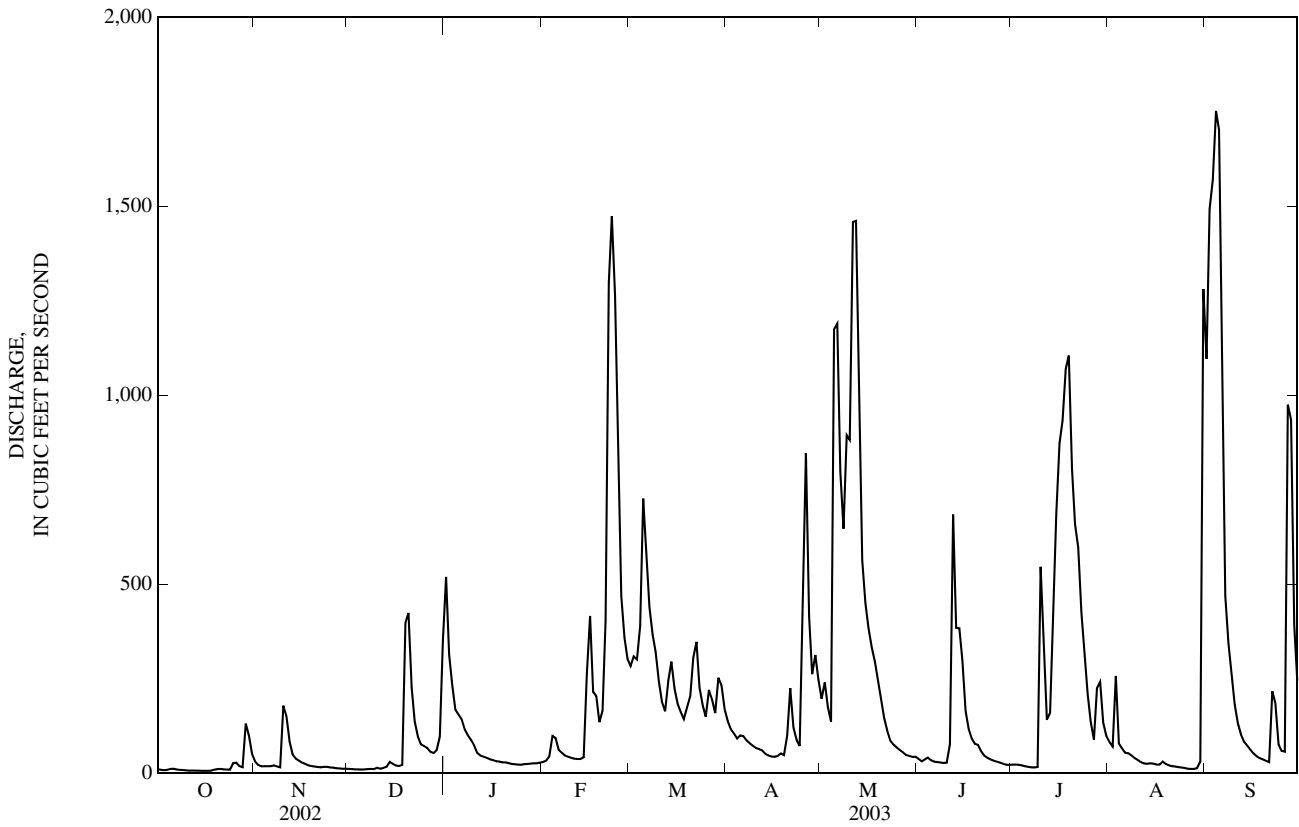
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2003, BY WATER YEAR (WY)

MEAN	61.9	166	252	316	362	440	423	346	184	115	59.4	80.8
MAX	827	1,250	1,421	2,380	1,317	1,284	1,102	1,469	988	1,101	633	701
(WY)	(2001)	(1994)	(1983)	(1950)	(1950)	(1978)	(1945)	(2002)	(1945)	(1979)	(1979)	(1989)
MIN	1.39	0.94	2.87	3.64	11.3	12.8	35.6	31.6	8.88	0.035	1.89	0.88
(WY)	(1944)	(1955)	(1954)	(1977)	(1954)	(1954)	(1954)	(1954)	(1954)	(1954)	(1953)	(1953)

03342500 BUSSEYON CREEK NEAR CARLISLE, IN—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1944 - 2003	
ANNUAL TOTAL	104,421.6		71,106.7		233	
ANNUAL MEAN	286		195		548	
HIGHEST ANNUAL MEAN					10.8	
LOWEST ANNUAL MEAN					1954	
HIGHEST DAILY MEAN	3,860	May 15	1,750	Sep 4	8,500	Jan 5, 1950
LOWEST DAILY MEAN	6.2	Sep 13	6.6	Oct 16	0.00	Jul 12, 1954
ANNUAL SEVEN-DAY MINIMUM	7.0	Sep 12	7.0	Oct 11	0.00	Jul 12, 1954
MAXIMUM PEAK FLOW			1,930	Feb 22	8,800	Jan 5, 1950
MAXIMUM PEAK STAGE			11.07	Feb 22	20.30	May 9, 1961
ANNUAL RUNOFF (CFSM)	1.25		0.85		1.02	
ANNUAL RUNOFF (INCHES)	17.04		11.60		13.89	
10 PERCENT EXCEEDS	852		530		642	
50 PERCENT EXCEEDS	54		61		57	
90 PERCENT EXCEEDS	8.5		12		5.9	

e Estimated



03343000 WABASH RIVER AT VINCENNES, IN

LOCATION.--Lat 38°42'19", long 87°31'14", T.3 N., R.10 W., Lawrence County, IL, Hydrologic Unit 05120111, (VINCENNES IL-IN quadrangle), on right bank 30 ft east of Illinois State Highway 33, 300 ft upstream from Kelso Creek, 570 ft downstream from U.S. Highway 50 bridge, 5.1 mi downstream from Maria Creek, 7.5 mi upstream from Embarras River and at mile 129.6.

DRAINAGE AREA.--13,706 mi².

PERIOD OF RECORD.--October 1929 to September 1994 (discharge), October 1994 to current year (stage-only). Prior to December 1929 monthly discharge only, published in WSP 1305. Gage-height records for flood peaks in 1867 and 1883, intermittent records 1887-1904, and continuous since November 1904, collected at site 1.8 mi downstream, are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1173: 1943 (maximum gage height only). WSP 1335: 1930-31, 1933, 1936. WSP 1909: 1955. WDR IN-73-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 394.43 ft above National Geodetic Vertical Datum of 1929. Oct. 1, 1968, to June 19, 1979, recording gage at site 570 ft upstream at same datum. Oct. 1, 1960, to September 30, 1968, nonrecording gage at site 1.8 mi downstream at same datum. Oct. 1, 1960, to Sept. 30, 1968, auxiliary water-stage recorder at site 2.8 mi upstream from base gage at datum 0.80 ft lower. See WSP 1725 for history of changes prior to Oct. 1, 1960.

REMARKS.--Flow partially regulated by upstream reservoirs.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 29, 1913, reached a stage of 26.3 ft, at former site 1.8 mi downstream and at present datum, from floodmarks, determined by U.S. Army Corps of Engineers, discharge, 255,000 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 29.33 ft, May 22, 1943; minimum gage height unknown prior to 1988, since 1988 minimum gage height, 3.92 ft, Sept. 4, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 24.10 ft, July 18; minimum gage height, 4.43 ft, Dec. 9, and 10.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.82	4.93	5.08	6.42	4.85	6.65	7.61	6.08	9.62	5.89	12.89	12.01
2	4.76	4.90	4.96	6.81	4.85	6.79	8.92	6.02	9.83	5.79	11.80	14.92
3	4.78	4.89	4.88	7.36	4.90	6.79	8.92	5.84	9.77	5.73	11.05	15.88
4	4.79	4.85	4.88	8.70	4.99	6.96	8.24	6.41	9.24	5.59	10.48	16.56
5	4.69	4.85	4.81	9.29	5.21	7.54	7.54	9.29	8.50	5.53	10.27	16.83
6	4.66	4.81	4.73	9.09	5.84	7.03	7.11	10.34	7.97	5.44	10.75	17.19
7	4.65	4.82	4.64	8.59	6.14	7.32	7.18	12.43	7.67	9.83	10.83	17.54
8	4.63	4.85	4.51	7.97	6.23	7.53	8.83	14.11	7.40	12.70	10.43	17.63
9	4.65	4.96	4.43	7.28	6.30	7.24	9.73	15.25	7.13	13.79	9.92	17.57
10	4.64	5.26	4.51	6.68	6.20	8.10	9.92	15.73	7.03	15.38	9.86	17.19
11	4.61	5.18	4.55	6.71	6.00	9.52	9.71	16.57	7.32	16.00	9.80	16.26
12	4.65	5.47	4.59	6.86	5.83	10.19	9.18	17.01	8.09	16.74	9.50	14.43
13	4.64	6.07	4.66	6.66	5.69	10.62	8.63	17.36	7.64	17.73	9.10	12.31
14	4.62	6.00	4.61	6.98	5.54	10.57	8.08	17.77	8.63	19.23	8.72	10.95
15	4.63	6.04	4.58	7.02	5.88	11.38	7.56	18.37	10.40	21.90	8.41	10.16
16	4.60	6.29	4.59	6.63	6.00	11.93	7.14	18.81	12.12	23.39	8.24	9.68
17	4.58	6.20	4.58	---	5.74	12.27	6.84	18.94	12.65	23.95	8.24	9.21
18	4.53	6.00	4.68	---	5.59	12.39	6.61	18.81	11.98	24.10	8.09	8.55
19	4.54	5.74	5.60	---	5.55	12.61	6.45	18.67	10.93	23.90	7.89	7.83
20	4.55	5.60	5.33	---	5.47	12.43	6.46	18.32	10.10	23.32	7.76	7.45
21	4.60	5.44	5.11	---	6.17	11.96	6.41	17.79	9.43	22.58	7.66	7.25
22	4.76	5.25	5.32	---	9.00	10.99	6.25	17.00	8.70	21.70	7.42	7.30
23	4.77	5.16	5.45	---	9.36	10.13	6.18	15.59	8.04	20.84	7.10	7.20
24	4.78	5.18	6.49	---	8.85	9.76	6.11	13.80	7.61	20.04	6.82	7.00
25	5.07	5.19	7.00	---	8.00	9.86	7.12	12.26	7.28	19.27	6.68	6.82
26	4.84	5.13	6.67	---	7.27	9.98	7.12	11.27	6.90	18.56	6.64	7.68
27	4.80	5.06	6.19	---	6.78	9.30	6.81	10.62	6.53	17.90	6.47	10.11
28	4.82	5.13	5.84	6.28	6.53	8.69	6.66	10.21	6.27	17.36	6.29	12.42
29	5.43	5.17	5.60	5.13	---	8.19	6.62	9.89	6.07	16.78	6.29	13.64
30	5.06	5.16	5.46	4.88	---	7.66	6.30	9.68	5.92	15.75	6.12	14.16
31	4.98	---	6.29	4.88	---	7.31	---	9.65	---	14.41	8.25	---
MEAN	4.74	5.32	5.18	---	6.24	9.34	7.54	13.54	8.56	16.17	8.70	12.12
MAX	5.43	6.29	7.00	---	9.36	12.61	9.92	18.94	12.65	24.10	12.89	17.63
MIN	4.53	4.81	4.43	---	4.85	6.65	6.11	5.84	5.92	5.44	6.12	6.82

03347000 WHITE RIVER AT MUNCIE, IN

LOCATION.--Lat 40°12'15", long 85°23'14", in NE $\frac{1}{4}$ NE $\frac{1}{4}$, sec.9, T.20 N., R.10 E., Delaware County, Hydrologic Unit 05120201, (MUNCIE WEST, IN quadrangle), on right bank 200 ft downstream from Walnut Street bridge in Muncie, 6 mi upstream from Bell Creek, and at mile 315.8.

DRAINAGE AREA.--241 mi².

PERIOD OF RECORD.--November 1930 to current year. Prior to October 1948, published as West Fork White River at Muncie. Daily gage heights from July 1923 to December 1929 are available in the district office.

REVISED RECORDS.--WSP 1335: 1931-32(M), 1936(M), 1938, 1948. WSP 1435: 1955. WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 917.10 ft above National Geodetic Vertical Datum of 1929 (City of Muncie bench mark). See WSP 1705 for history of changes prior to Jan. 28, 1942. Jan. 28, 1942, to Apr. 27, 1964, water-stage recorder at present site at datum 3.00 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow affected by regulation of Prairie Creek Reservoir and by diversion of municipal water supply by Muncie Water Works Co. above gage. Records of diversion available since October 1937.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 22.6 ft in March 1913, present datum, discharge, 20,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	24	24	1,400	e52	e140	300	107	115	53	84	2,270
2	11	21	20	1,200	e53	e135	257	121	91	56	782	9,920
3	12	20	19	563	e70	e130	226	90	112	67	750	5,140
4	20	20	18	345	e380	e140	210	83	132	99	563	1,410
5	17	25	22	259	e260	655	252	441	120	2,330	399	729
6	20	25	19	215	e190	1,020	268	366	100	3,200	258	517
7	17	24	19	191	e150	493	251	273	91	4,000	201	399
8	15	25	20	194	e120	455	318	254	89	5,570	161	317
9	14	24	17	463	e110	2,050	267	371	81	5,410	164	262
10	15	148	19	437	e90	1,170	232	1,820	78	6,400	166	223
11	15	215	20	257	e70	657	211	2,860	83	3,170	124	195
12	16	110	19	e200	e62	659	195	1,790	96	1,130	164	170
13	16	62	21	e180	e54	1,570	173	787	279	711	218	142
14	15	46	24	e130	e52	2,160	149	521	472	522	168	124
15	13	37	24	e96	e56	1,120	145	615	382	414	114	118
16	13	34	23	e70	e43	915	135	424	242	346	95	112
17	14	33	32	e67	e39	750	124	329	181	283	91	92
18	15	30	69	e66	e38	578	120	316	140	246	75	76
19	20	31	446	e68	e39	486	114	279	115	220	60	69
20	17	29	826	e71	e45	583	114	253	94	197	54	68
21	18	24	451	e62	e56	780	111	229	76	211	51	62
22	17	29	244	e54	e150	775	97	206	69	224	50	195
23	16	31	169	e47	e600	487	88	189	60	278	47	379
24	15	32	116	e44	e400	367	80	174	51	240	45	239
25	22	31	103	e45	e290	315	84	159	45	185	39	229
26	24	30	99	e46	e240	515	97	139	57	146	38	222
27	36	28	65	e43	e200	441	84	117	67	125	37	2,260
28	25	29	66	e46	e180	355	73	107	68	116	40	1,740
29	23	27	61	e52	---	672	73	108	65	109	53	705
30	22	24	251	e51	---	520	73	105	64	94	167	453
31	22	---	1,250	e51	---	363	---	132	---	85	171	---
TOTAL	547	1,268	4,576	7,013	4,089	21,456	4,921	13,765	3,715	36,237	5,429	28,837
MEAN	17.6	42.3	148	226	146	692	164	444	124	1,169	175	961
MAX	36	215	1,250	1,400	600	2,160	318	2,860	472	6,400	782	9,920
MIN	11	20	17	43	38	130	73	83	45	53	37	62
CFSM	0.07	0.18	0.61	0.94	0.61	2.87	0.68	1.84	0.51	4.85	0.73	3.99
IN.	0.08	0.20	0.71	1.08	0.63	3.31	0.76	2.12	0.57	5.59	0.84	4.45

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2003, BY WATER YEAR (WY)

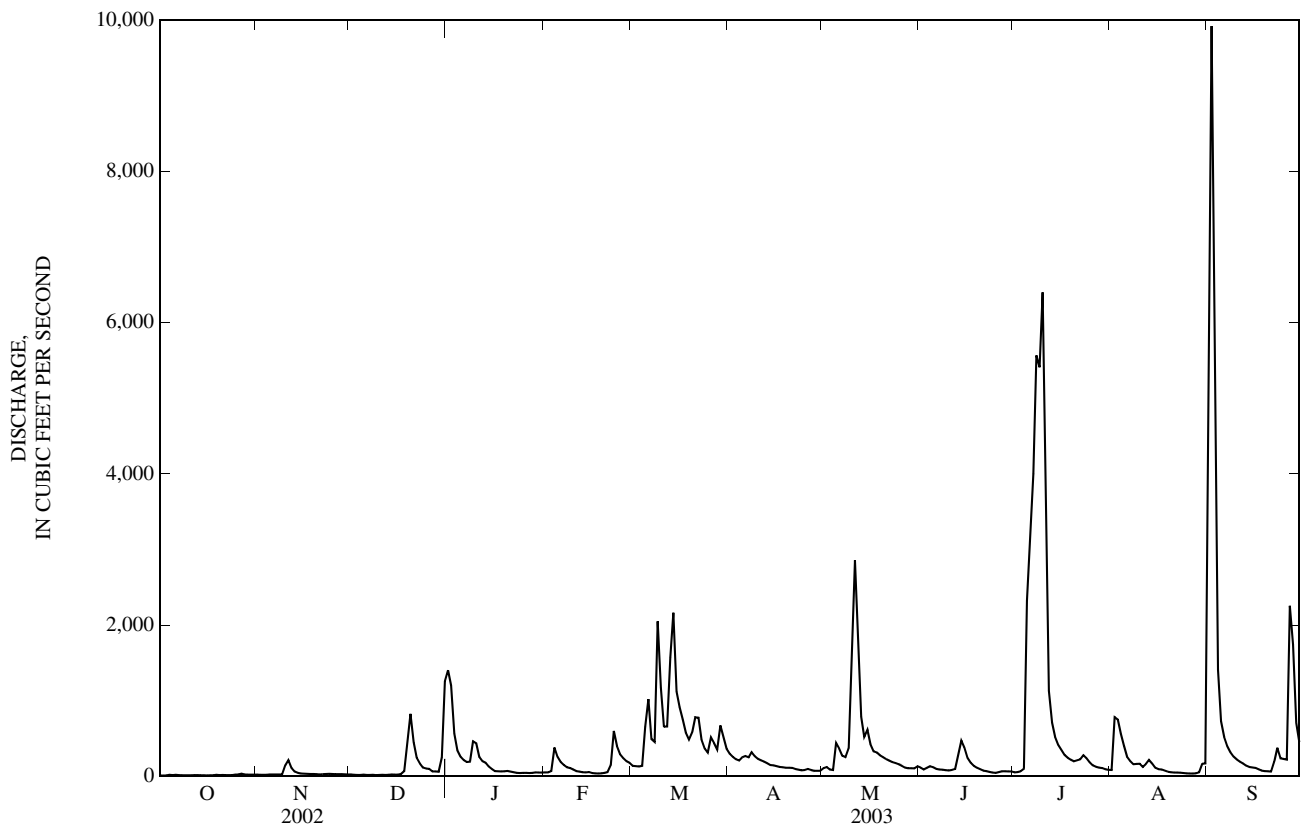
MEAN	66.8	144	223	295	337	412	402	272	218	135	70.6	70.9
MAX	807	1,068	1,119	1,654	1,122	963	1,476	1,239	1,492	1,169	816	961
(WY)	(2002)	(1994)	(1991)	(1950)	(1950)	(1978)	(1964)	(1933)	(1958)	(2003)	(1979)	(2003)
MIN	2.30	7.33	6.57	6.38	21.2	39.0	46.4	16.4	13.6	9.55	4.80	1.96
(WY)	(1957)	(1957)	(1961)	(1977)	(1935)	(1941)	(1941)	(1941)	(1988)	(1944)	(1940)	(1954)

WABASH RIVER BASIN

03347000 WHITE RIVER AT MUNCIE, IN—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1932 - 2003	
ANNUAL TOTAL	94,758		131,853			
ANNUAL MEAN	260		361		220	
HIGHEST ANNUAL MEAN					421	
LOWEST ANNUAL MEAN					42.1	
HIGHEST DAILY MEAN	4,390	May 13	9,920	Sep 2	11,600	Apr 21, 1964
LOWEST DAILY MEAN	11	Oct 2	11	Oct 2	1.1	Sep 16, 1954
ANNUAL SEVEN-DAY MINIMUM	15	Oct 11	15	Oct 11	1.2	Sep 21, 1954
MAXIMUM PEAK FLOW			12,400	Sep 2	14,300	Apr 21, 1964
MAXIMUM PEAK STAGE			14.02	Sep 2	21.07	Jan 15, 1937
ANNUAL RUNOFF (CFSM)	1.08		1.50		0.91	
ANNUAL RUNOFF (INCHES)	14.63		20.35		12.39	
10 PERCENT EXCEEDS	604		707		487	
50 PERCENT EXCEEDS	83		115		77	
90 PERCENT EXCEEDS	19		21		13	

e Estimated



03347500 BUCK CREEK NEAR MUNCIE, IN

LOCATION.--Lat 40°08'05", long 85°22'25", in SW¼SE¼ sec.34, T.20 N., R.10 E., Delaware County, Hydrologic Unit 05120201, (MUNCIE EAST, IN quadrangle), on left bank at downstream side of bridge on County Road 400 South, 1.0 mi upstream from Muncie Water Works Co. pumping station, 4.2 mi southeast of court house in Muncie, and at mile 10.6.

DRAINAGE AREA.--35.5 mi².

PERIOD OF RECORD.--October 1954 to October 2003 (discontinued).

REVISED RECORDS.--WSP 1909: 1955, 1957. WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 944.67 ft above National Geodetic Vertical Datum of 1929. Prior to May 5, 1955, nonrecording gage at same site and datum.

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	20	17	155	e21	e26	51	31	28	20	34	702
2	16	21	17	97	e21	e26	46	36	25	21	298	1,940
3	16	21	17	58	29	e25	43	31	29	20	79	267
4	18	20	17	47	62	30	41	30	28	22	55	124
5	19	22	17	43	36	126	41	77	25	785	48	89
6	18	23	16	38	31	84	38	49	26	282	42	75
7	17	21	16	36	28	48	41	45	25	442	39	66
8	17	21	16	38	e25	132	40	39	26	189	36	59
9	16	22	15	63	e24	237	39	92	24	849	61	55
10	17	58	15	49	e23	87	37	380	25	488	60	51
11	17	47	16	37	e22	62	36	291	24	166	39	47
12	17	29	16	e31	e21	69	34	111	28	126	39	45
13	18	24	16	e29	e21	303	33	72	48	87	39	43
14	17	22	17	e28	e20	148	32	56	59	71	33	43
15	17	22	16	e26	e20	100	31	73	41	66	32	41
16	17	22	18	e25	e20	86	32	51	33	60	30	39
17	17	22	18	e24	e20	74	31	46	29	53	33	38
18	17	21	28	e24	e20	62	31	44	27	50	30	37
19	20	20	102	e23	e19	60	30	40	26	46	28	37
20	19	18	95	e23	e19	73	31	37	25	43	27	36
21	18	17	46	e23	e20	117	32	35	24	47	27	35
22	17	21	35	e22	63	76	31	34	24	46	27	59
23	17	22	e26	e22	98	60	30	33	22	44	27	48
24	17	24	e24	e22	58	52	30	32	20	38	26	41
25	21	23	e22	e22	e37	54	31	31	21	37	25	47
26	23	21	e22	e22	e32	72	31	31	24	35	25	53
27	20	20	e21	e22	e28	55	29	29	23	35	25	390
28	19	19	e21	e21	e26	50	29	27	22	35	25	112
29	20	19	e21	e21	---	120	29	26	23	33	30	74
30	21	19	104	e21	---	70	28	25	21	32	59	60
31	20	---	178	e21	---	57	---	29	---	31	42	---
TOTAL	559	701	1,025	1,133	864	2,641	1,038	1,963	825	4,299	1,420	4,753
MEAN	18.0	23.4	33.1	36.5	30.9	85.2	34.6	63.3	27.5	139	45.8	158
MAX	23	58	178	155	98	303	51	380	59	849	298	1,940
MIN	16	17	15	21	19	25	28	25	20	20	25	35
CFSM	0.51	0.66	0.93	1.03	0.87	2.40	0.97	1.78	0.77	3.91	1.29	4.46
IN.	0.59	0.73	1.07	1.19	0.91	2.77	1.09	2.06	0.86	4.50	1.49	4.98

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2003, BY WATER YEAR (WY)

MEAN	22.4	31.7	37.8	41.0	50.1	57.1	56.7	45.8	42.4	32.5	23.6	21.7
MAX	99.5	146	109	96.2	123	117	166	102	153	139	108	158
(WY)	(2002)	(1994)	(1991)	(1959)	(1971)	(1982)	(1964)	(2002)	(1958)	(2003)	(1979)	(2003)
MIN	8.73	9.30	8.77	6.36	11.2	16.4	16.7	17.2	11.3	8.64	9.00	8.13
(WY)	(1964)	(1964)	(1965)	(1977)	(1964)	(1966)	(1966)	(1988)	(1988)	(1966)	(1965)	(1963)

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1955 - 2003

ANNUAL TOTAL	16,794	21,221		
ANNUAL MEAN	46.0	58.1		38.5
HIGHEST ANNUAL MEAN				58.1
LOWEST ANNUAL MEAN				15.4
HIGHEST DAILY MEAN	765	May 13	1,940	Sep 2
LOWEST DAILY MEAN	15	Sep 6	15	Dec 9
ANNUAL SEVEN-DAY MINIMUM	16	Dec 6	16	Dec 6
MAXIMUM PEAK FLOW			2,320	Sep 2
MAXIMUM PEAK STAGE			15.01	Sep 2
ANNUAL RUNOFF (CFSM)	1.30		1.64	
ANNUAL RUNOFF (INCHES)	17.60		22.24	
10 PERCENT EXCEEDS	87		87	67
50 PERCENT EXCEEDS	28		30	25
90 PERCENT EXCEEDS	17		18	12

e Estimated

