

03351500 FALL CREEK NEAR FORTVILLE, IN

LOCATION.--Lat 39°57'17", long 85°52'03", in NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.5, T.17 N., R.6 E., Hamilton County, Hydrologic Unit 05120201, (INGALLS, IN quadrangle), on right bank 100 ft downstream from bridge on State Highway 238, 0.2 mi downstream from Lick Creek, 2 mi northwest of Fortville, and at mile 26.1.

DRAINAGE AREA.--169 mi².

PERIOD OF RECORD.--July 1941 to current year.

REVISED RECORDS.--WSP 1435: 1949(P). WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 787.43 ft above National Geodetic Vertical Datum of 1929 (levels by Indianapolis Water Co.). Prior to June 27, 1942, nonrecording gage at same site and datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage, about 12 ft March 1913 (information by local resident).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	227	143	332	330	e132	259	297	100	1,390	164	87	59
2	195	165	275	410	e140	396	245	121	489	157	76	55
3	177	166	243	486	e155	300	213	126	340	160	74	56
4	177	152	225	1,150	e160	288	192	109	264	225	89	61
5	162	143	247	3,140	e170	558	172	102	218	180	98	58
6	148	133	356	1,910	e237	449	162	98	191	156	75	53
7	137	125	305	650	e264	327	164	91	168	142	66	48
8	130	119	264	474	e180	270	157	86	147	135	62	45
9	125	114	239	396	e160	236	144	86	134	129	60	44
10	123	113	255	336	e158	210	135	83	125	133	57	43
11	117	118	347	305	e153	199	132	78	1,170	136	56	42
12	114	163	291	295	e145	187	129	76	4,550	134	54	42
13	115	165	242	277	e130	174	126	73	2,410	121	54	42
14	216	139	227	259	e135	176	123	88	1,490	112	55	39
15	575	130	203	254	e140	171	116	198	1,290	104	55	38
16	358	128	200	230	e143	168	112	157	1,520	99	52	39
17	259	122	246	230	144	170	111	124	2,370	97	50	40
18	213	145	226	321	145	168	109	112	1,280	96	52	37
19	191	568	204	267	220	196	105	258	721	95	56	36
20	170	472	184	223	389	205	107	278	516	88	70	36
21	157	318	171	208	432	201	111	186	418	84	125	34
22	149	253	172	e190	284	179	117	149	366	181	78	33
23	140	219	732	e177	265	167	159	126	312	147	65	32
24	132	478	1,210	e170	274	161	135	135	278	105	59	32
25	133	510	615	e160	243	159	127	141	251	90	66	33
26	171	344	422	e150	215	200	124	136	231	90	91	32
27	185	352	346	e144	199	540	109	122	210	95	82	33
28	167	677	317	e140	189	395	102	896	197	92	66	31
29	156	645	322	e138	186	302	99	630	185	84	82	30
30	144	421	561	e135	---	258	97	366	172	84	77	31
31	133	---	423	e134	---	305	---	1,720	---	101	65	---
TOTAL	5,596	7,740	10,402	13,689	5,787	7,974	4,231	7,051	23,403	3,816	2,154	1,234
MEAN	181	258	336	442	200	257	141	227	780	123	69.5	41.1
MAX	575	677	1,210	3,140	432	558	297	1,720	4,550	225	125	61
MIN	114	113	171	134	130	159	97	73	125	84	50	30
CFSM	1.07	1.53	1.99	2.61	1.18	1.52	0.83	1.35	4.62	0.73	0.41	0.24
IN.	1.23	1.70	2.29	3.01	1.27	1.76	0.93	1.55	5.15	0.84	0.47	0.27

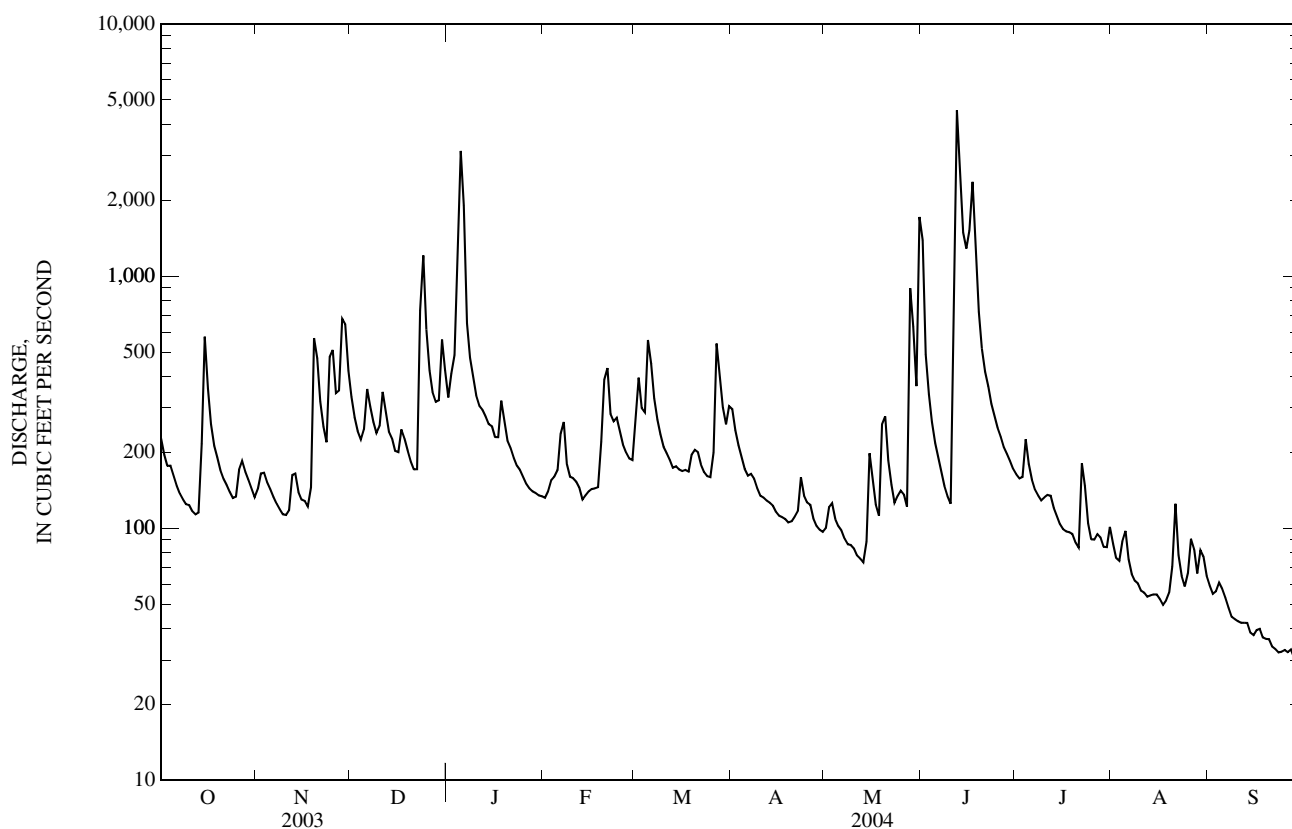
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2004, BY WATER YEAR (WY)

	MEAN	73.5	122	172	213	248	298	289	234	196	127	76.2	67.3
MAX	539	788	727	1,210	720	674	829	753	888	775	467	686	
(WY)	(2002)	(1994)	(1991)	(1950)	(1950)	(1978)	(1964)	(1996)	(1958)	(2003)	(1979)	(2003)	
MIN	20.1	27.4	24.2	24.4	42.1	71.2	70.3	71.4	39.2	24.7	16.0	14.5	
(WY)	(1964)	(2000)	(1964)	(1977)	(1964)	(1981)	(1971)	(1955)	(1988)	(1966)	(1988)	(1999)	

03351500 FALL CREEK NEAR FORTVILLE, IN—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1942 - 2004	
ANNUAL TOTAL	115,663		93,077		176	
ANNUAL MEAN	317		254		301	
HIGHEST ANNUAL MEAN					61.4	
LOWEST ANNUAL MEAN					1966	
HIGHEST DAILY MEAN	6,770	Sep 2	4,550	Jun 12	6,950	Apr 21, 1964
LOWEST DAILY MEAN	63	Aug 28	30	Sep 29	7.0	Oct 1, 1941
ANNUAL SEVEN-DAY MINIMUM	68	Aug 23	32	Sep 24	9.7	Aug 21, 1988
MAXIMUM PEAK FLOW			5,120	Jun 12	8,750	Apr 21, 1964
MAXIMUM PEAK STAGE			8.82	Jun 12	9.88	Apr 21, 1964
ANNUAL RUNOFF (CFSM)	1.88		1.50		1.04	
ANNUAL RUNOFF (INCHES)	25.46		20.49		14.14	
10 PERCENT EXCEEDS	561		426		355	
50 PERCENT EXCEEDS	165		158		93	
90 PERCENT EXCEEDS	84		57		31	

e Estimated



03352500 FALL CREEK AT MILLERSVILLE, IN

LOCATION.--Lat 39°51'07", long 86°05'15", in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.9, T.16 N., R.4 E., Marion County, Hydrologic Unit 05120201, (INDIANAPOLIS EAST, IN quadrangle), on right bank at downstream side of Emerson Way bridge at Millersville, 2.4 mi upstream of Keystone Avenue, 2.9 mi downstream of Interstate 465, and 9.2 mi upstream from mouth.

DRAINAGE AREA.--298 mi².

PERIOD OF RECORD.--October 1929 to current year. Monthly discharge only for October 1929, published in WSP I305. Twice-daily chain gage readings at former site from July 1925 to September 1926 are available in the district office.

REVISED RECORDS.--WSP 1335: 1930-31, 1933, 1936-38, 1942-43. WSP 2109: Drainage area. WRD IN-02-1: 1991, 1994(P). WRD IN-03-1: 1991, 1994, 1997-2002(P).

GAGE.--Water-stage recorder and Acoustic Doppler Velocity Meter. Datum of gage is 722.16 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 21, 1961, water-stage recorder at site 500 ft downstream at same datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by Geist Reservoir.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 16.3 ft Mar. 26, 1913, from floodmarks, discharge, 22,000 ft³/s by slope-area measurement.

REVISIONS.--The peak discharges for water years 1991 and 1994 have been revised to 8,200 ft³/s, Dec. 31, 1990, gage height, 13.36 ft, and 6,890 ft³/s, Nov. 15, 1993, gage height, 12.40 ft, superseding original figures published in reports for 1991 and 1994, and revisions published in reports for 1997-2002. The peak discharge for the 2002 water year has been revised to 6,550 ft³/s, May 14, 2002, gage height, 12.14 ft, superseding figure published in the report for 2002.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	341	202	586	601	e192	363	788	152	2,320	205	158	72
2	275	236	458	756	e190	580	564	207	1,240	197	128	66
3	225	250	376	854	e220	518	426	179	678	218	111	67
4	224	229	320	2,100	e230	479	352	151	460	503	139	76
5	215	209	371	4,280	e220	768	286	150	349	357	177	71
6	189	196	483	4,090	e260	844	245	140	291	255	126	68
7	167	168	486	1,850	335	596	241	143	253	213	104	65
8	159	165	417	945	292	461	229	128	225	190	98	72
9	152	145	364	707	245	387	221	120	203	186	90	50
10	150	136	423	542	234	314	204	118	191	205	80	81
11	149	149	535	455	234	272	195	113	1,410	276	76	79
12	146	203	502	418	239	258	209	107	4,240	326	83	70
13	136	208	418	395	244	246	183	109	4,840	215	92	69
14	422	207	351	366	234	231	140	170	2,680	179	87	67
15	781	191	308	355	235	239	147	343	1,930	159	87	71
16	698	190	290	326	221	262	148	279	3,140	141	85	72
17	485	178	327	326	204	225	151	227	4,320	163	84	77
18	334	225	347	449	200	228	151	200	2,950	152	81	69
19	279	694	304	421	246	237	136	429	1,630	127	80	67
20	233	856	273	352	451	249	163	486	1,050	120	125	77
21	213	623	237	303	660	264	161	378	751	120	185	70
22	202	447	229	279	535	244	196	268	620	320	133	69
23	182	355	1,430	e260	422	217	278	216	499	262	113	69
24	163	733	2,340	e240	410	211	229	223	407	189	98	68
25	170	959	1,600	e226	384	219	210	274	363	148	241	68
26	246	697	921	e220	328	347	198	263	305	128	214	68
27	255	617	659	e214	291	879	174	208	279	119	153	68
28	239	919	545	e208	266	779	151	606	256	118	121	68
29	222	1,150	539	e202	254	590	144	1,020	238	116	110	68
30	199	824	766	e198	---	486	149	709	222	116	100	61
31	184	---	753	e194	---	937	---	2,050	---	180	81	---
TOTAL	8,035	12,361	17,958	23,132	8,476	12,930	7,069	10,166	38,340	6,203	3,640	2,083
MEAN	259	412	579	746	292	417	236	328	1,278	200	117	69.4
MAX	781	1,150	2,340	4,280	660	937	788	2,050	4,840	503	241	81
MIN	136	136	229	194	190	211	136	107	191	116	76	50
CFSM	0.87	1.38	1.94	2.50	0.98	1.40	0.79	1.10	4.29	0.67	0.39	0.23
IN.	1.00	1.54	2.24	2.89	1.06	1.61	0.88	1.27	4.79	0.77	0.45	0.26

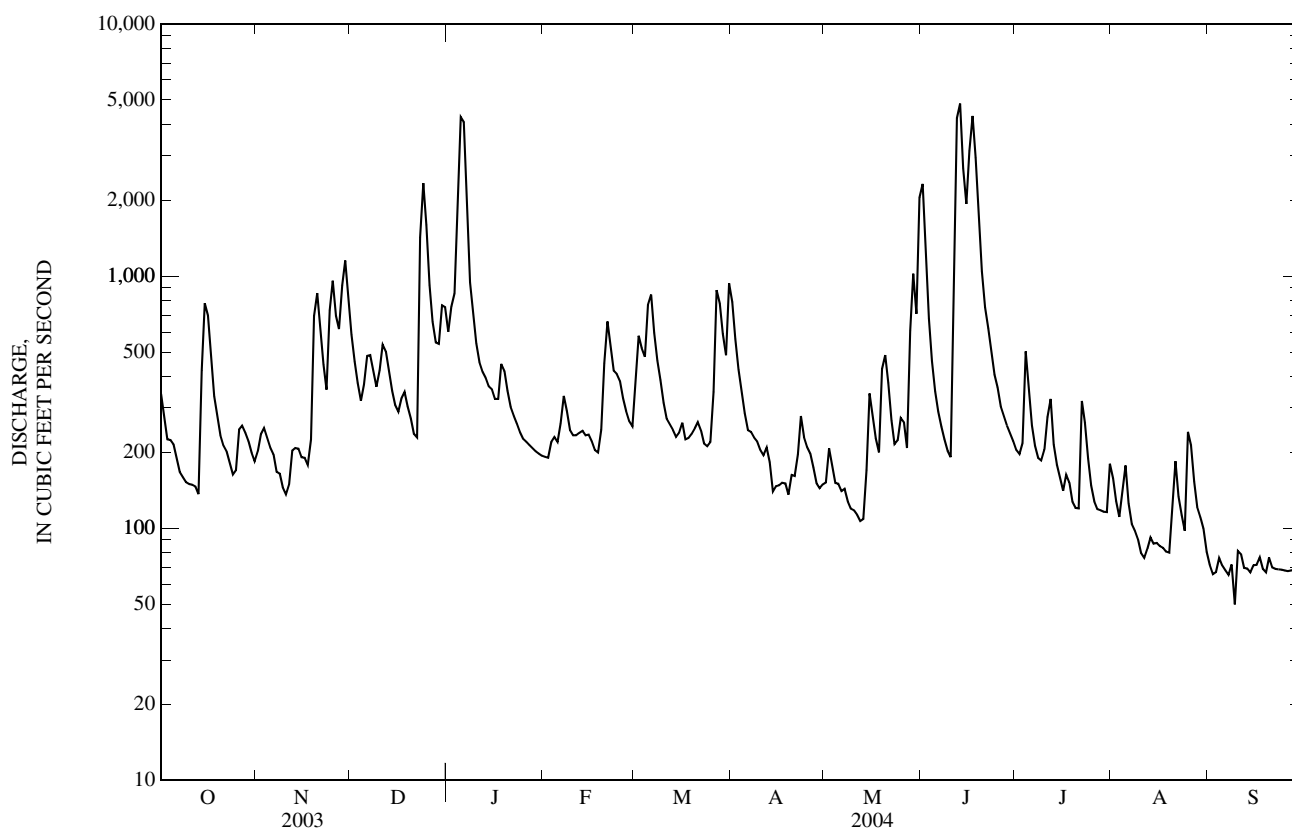
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2004, BY WATER YEAR (WY)

MEAN	111	190	283	398	420	514	505	400	309	204	118	110
MAX	981	1,283	1,059	2,390	1,278	1,399	1,503	1,524	1,638	1,258	739	1,242
(WY)	(2002)	(1994)	(1991)	(1950)	(1950)	(1963)	(1964)	(1943)	(1998)	(2003)	(1979)	(2003)
MIN	23.4	32.1	38.2	37.1	50.4	47.5	59.7	33.6	42.2	29.1	15.5	11.5
(WY)	(1941)	(1935)	(1935)	(1945)	(1935)	(1941)	(1941)	(1941)	(1934)	(1936)	(1941)	(1941)

03352500 FALL CREEK AT MILLERSVILLE, IN—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1930 - 2004	
ANNUAL TOTAL	193,033		150,393		296	
ANNUAL MEAN	529		411		539	
HIGHEST ANNUAL MEAN					44.0	
LOWEST ANNUAL MEAN					1950	
HIGHEST DAILY MEAN	10,500	Sep 2	4,840	Jun 13	10,600	May 18, 1943
LOWEST DAILY MEAN	76	Aug 26	50	Sep 9	7.8	Sep 28, 1941
ANNUAL SEVEN-DAY MINIMUM	90	Aug 20	67	Sep 3	9.0	Sep 24, 1941
MAXIMUM PEAK FLOW			5,260	Jun 13	12,900	May 28, 1956
MAXIMUM PEAK STAGE			11.06	Jun 13	15.68	Sep 2, 2003
ANNUAL RUNOFF (CFSM)	1.77		1.38		0.993	
ANNUAL RUNOFF (INCHES)	24.10		18.77		13.50	
10 PERCENT EXCEEDS	920		767		660	
50 PERCENT EXCEEDS	233		229		131	
90 PERCENT EXCEEDS	130		84		47	

e Estimated



03353000 WHITE RIVER AT INDIANAPOLIS, IN

LOCATION.--Lat 39°44'14", long 86°10'08", in NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.14, T.15 N., R.3 E., Marion County, Hydrologic Unit 05120201, (INDIANAPOLIS WEST, IN quadrangle), on left bank under Raymond Street bridge in Indianapolis, 3.7 mi downstream from Fall Creek, 2.3 mi upstream from Eagle Creek, 2.9 mi upstream from Indianapolis Power and Light Company dam, and at mile 229.2.

DRAINAGE AREA.--1,635 mi².

PERIOD OF RECORD.--March 1904 to July 1906 and April 1930 to current year. Gage-height record published in reports of National Weather Service for site 2.0 mi upstream Feb. 8, 1911, to Mar. 25, 1913, and at site 3.2 mi upstream since Oct. 16, 1913. Prior to October 1948, published as West Fork White River at Indianapolis.

REVISED RECORDS.--WSP 1335: 1932-33, 1937, 1939-41. WSP 1505: 1938. WSP 2109: Drainage area. WDR IN-01-1 (P).

GAGE.--Acoustic Velocity Meter and Data Collection Platform. Datum of gage is 662.26 ft above National Geodetic Vertical Datum of 1929. March 1904 to July 1906, nonrecording gage at railroad bridge 1.9 mi upstream at datum approximately 2.9 ft higher. April 1930 to July 20, 1931, nonrecording gage at Indianapolis sanitation plant, 1.2 mi downstream at datum 2.26 ft lower. July 21, 1931 to Mar. 2, 1932, nonrecording gage and March 3, 1932, to September, 30 1940, water-stage recorder at Morris Street, 1.1 mi upstream at datum 2.26 ft lower. October 1, 1940, to September 30, 1998, water-stage recorder at Morris Street, 1.1 mi upstream at present datum. October 1, 1998, to May 16, 2000, Acoustic Velocity Meter at Interstate 70 bridge, 1.3 mi upstream at present datum. May 16, 2000 to present, Acoustic Velocity Meter and Data collection Platform at Raymond Street.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Stage-discharge relation affected at times by large releases from Eagle Creek and by variable leakage at Indianapolis Power and Light Company dam. Natural flow affected by regulation of Morse Reservoir, Geist Reservoir and by diversion of municipal water supply by the Indianapolis Water Company.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 26, 1913, reached a stage of 30.0 ft, from floodmarks determined by Indianapolis Water Company, discharge, 70,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,840	979	3,510	3,550	e820	1,660	5,600	764	7,710	780	750	476
2	2,150	1,280	2,700	3,580	e900	2,950	3,910	1,030	5,840	728	658	388
3	1,630	1,330	2,100	3,490	e1,060	3,500	2,840	969	3,190	855	564	380
4	1,480	1,220	1,820	9,720	e900	2,960	2,230	989	2,210	1,430	1,100	699
5	1,370	1,110	1,950	17,500	e1,070	4,510	1,770	972	1,670	1,230	776	476
6	1,230	1,050	2,230	e17,200	1,280	6,790	1,520	862	1,390	950	607	411
7	1,100	967	2,820	e14,800	1,240	4,750	1,390	767	1,200	824	509	406
8	950	885	2,570	6,930	1,310	3,010	1,330	713	1,040	736	460	403
9	879	847	2,210	3,890	1,170	2,300	1,250	635	922	763	426	387
10	835	748	2,340	3,000	988	1,880	1,140	622	860	896	398	351
11	799	753	2,880	2,450	925	1,580	1,050	596	3,910	1,310	370	379
12	771	941	3,390	2,180	945	1,420	1,000	564	15,400	1,300	344	365
13	824	1,620	2,640	2,130	937	1,280	983	574	e15,300	952	395	364
14	2,070	1,970	2,120	1,840	939	1,200	894	1,040	10,600	774	415	354
15	2,100	1,460	1,900	1,690	887	1,140	826	1,270	8,450	647	406	347
16	3,300	1,240	1,730	1,570	871	1,180	815	1,100	11,000	579	415	372
17	2,860	1,120	1,740	1,580	860	1,150	826	890	11,400	586	390	368
18	1,980	1,290	1,860	1,880	799	1,130	816	787	9,450	579	392	341
19	1,550	2,570	1,790	1,800	859	1,150	776	1,800	6,430	520	397	313
20	1,280	4,420	1,570	1,540	1,700	1,220	820	2,180	4,040	465	832	333
21	1,090	3,930	1,400	1,340	4,410	1,410	982	1,840	2,880	540	915	351
22	1,010	2,680	1,300	1,230	4,320	1,580	1,110	1,320	2,390	2,270	749	344
23	944	2,080	5,880	e1,010	2,640	1,380	1,380	1,140	1,990	1,010	693	335
24	882	3,360	10,900	e960	2,230	1,210	1,170	1,270	1,670	795	696	317
25	926	4,500	10,600	e940	2,080	1,150	1,320	1,400	1,400	669	893	301
26	1,230	3,900	6,220	e920	1,750	1,880	1,130	1,210	1,220	583	1,020	293
27	1,060	3,190	3,910	e940	1,510	3,970	979	960	1,100	537	645	311
28	1,020	3,490	3,110	e930	1,350	5,360	867	1,880	1,000	505	518	327
29	1,030	5,300	3,130	e860	1,260	4,030	761	5,340	919	495	507	332
30	978	5,090	3,720	e820	---	3,080	744	5,760	859	518	465	345
31	917	---	4,480	e800	---	5,380	---	7,360	---	796	522	---
TOTAL	43,085	65,320	100,520	113,070	42,010	77,190	42,229	48,604	137,440	25,622	18,227	11,169
MEAN	1,390	2,177	3,243	3,647	1,449	2,490	1,408	1,568	4,581	827	588	372
MAX	3,300	5,300	10,900	17,500	4,410	6,790	5,600	7,360	15,400	2,270	1,100	699
MIN	771	748	1,300	800	799	1,130	744	564	859	465	344	293
CFSM	0.85	1.33	1.98	2.23	0.89	1.52	0.86	0.96	2.80	0.51	0.36	0.23
IN.	0.98	1.49	2.29	2.57	0.96	1.76	0.96	1.11	3.13	0.58	0.41	0.25

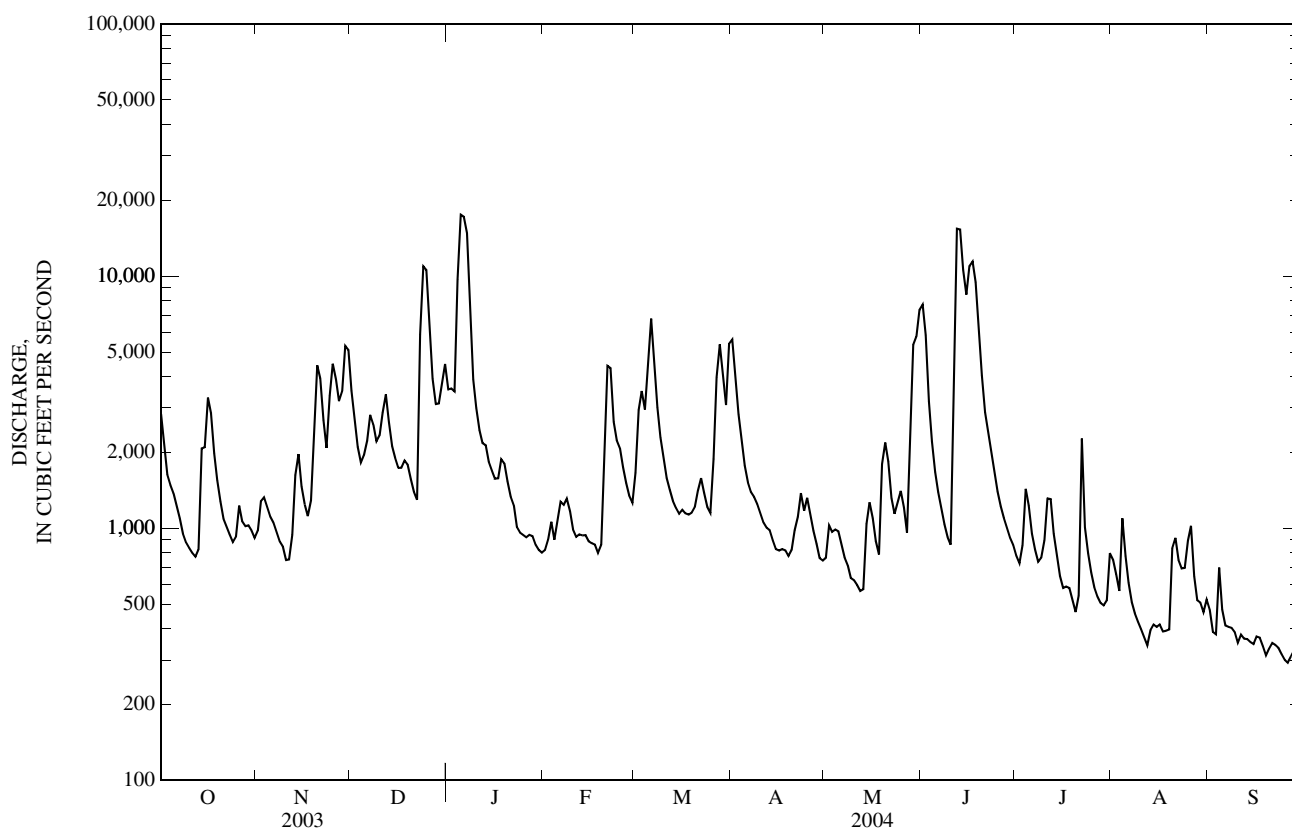
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2004, BY WATER YEAR (WY)

MEAN	491	925	1,402	1,921	2,109	2,693	2,636	1,969	1,507	960	533	495
MAX	4,791	6,425	5,826	12,120	6,452	6,610	7,777	8,594	7,910	6,173	3,399	5,814
(WY)	(2002)	(1994)	(1991)	(1950)	(1950)	(1963)	(1964)	(1943)	(1958)	(2003)	(1979)	(2003)
MIN	70.1	110	77.3	78.4	178	207	274	113	126	90.3	42.5	31.5
(WY)	(1941)	(1935)	(1964)	(1977)	(1964)	(1941)	(1941)	(1941)	(1988)	(1936)	(1941)	(1941)

03353000 WHITE RIVER AT INDIANAPOLIS, IN—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1931 - 2004	
ANNUAL TOTAL	976,910		724,486		1,466	
ANNUAL MEAN	2,676		1,979		2,698	
HIGHEST ANNUAL MEAN					233	
LOWEST ANNUAL MEAN					1941	
HIGHEST DAILY MEAN	33,800	Sep 2	17,500	Jan 5	36,800	Dec 31, 1990
LOWEST DAILY MEAN	206	Aug 26	293	Sep 26	8.0	Sep 29, 1941
ANNUAL SEVEN-DAY MINIMUM	278	Aug 21	317	Sep 23	12	Sep 24, 1941
MAXIMUM PEAK FLOW			unknown	unknown	42,500	Sep 1, 2003
MAXIMUM PEAK STAGE			13.40	Jan 6	21.57	Jan 16, 1937
ANNUAL RUNOFF (CFSM)	1.64		1.21		0.897	
ANNUAL RUNOFF (INCHES)	22.23		16.48		12.18	
10 PERCENT EXCEEDS	5,480		4,030		3,390	
50 PERCENT EXCEEDS	1,250		1,140		666	
90 PERCENT EXCEEDS	511		415		150	

e Estimated



03353120 PLEASANT RUN AT ARLINGTON AVENUE AT INDIANAPOLIS, IN

LOCATION.--Lat 39°46'33", long 86°03'50", in SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.2, T.15 N., R.4 E., Marion County, Hydrologic Unit 05120201, (INDIANAPOLIS EAST, IN quadrangle), on right bank 46 ft upstream from Arlington Avenue bridge in Indianapolis, 0.5 mi downstream from small left-bank tributary, and at mile 7.9.

DRAINAGE AREA.--7.58 mi².

PERIOD OF RECORD.--December 1959 to current year.

REVISED RECORDS.--WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 780.00 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources).

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in May 1956 reached a stage of 16.0 ft, from information by local resident.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	8.2	5.4	20	2.6	33	18	4.5	9.9	1.3	1.4	2.2
2	1.1	2.6	4.4	59	6.0	7.8	8.6	18	4.8	1.3	1.2	2.0
3	1.1	2.1	3.9	38	17	4.9	5.9	3.2	3.5	77	1.2	12
4	2.0	2.0	4.1	398	6.4	21	4.4	2.1	2.6	29	77	2.6
5	1.1	2.2	27	49	11	20	3.9	1.6	2.2	3.6	5.4	1.9
6	0.94	2.3	10	13	16	8.1	3.5	1.3	1.8	2.2	2.5	1.8
7	1.2	2.1	6.3	7.7	5.7	5.2	3.5	1.2	1.6	2.6	2.1	1.9
8	1.0	2.2	5.1	e5.4	e3.4	4.1	3.4	1.1	1.5	1.7	1.5	e1.8
9	1.0	2.3	4.5	e4.0	e3.0	3.5	2.7	2.2	1.4	34	1.3	e1.5
10	1.1	2.6	27	e3.4	e2.8	3.1	2.4	3.7	1.6	28	1.2	e1.4
11	1.6	8.6	12	e3.1	e2.6	2.9	2.3	1.1	114	113	1.2	e1.3
12	2.5	5.9	6.4	e3.0	e2.4	2.7	2.1	e1.1	39	21	1.4	e1.2
13	2.8	2.0	4.9	e2.8	e2.3	2.6	2.1	e2.4	25	8.2	1.1	e1.1
14	126	1.8	5.5	e2.7	e2.2	3.5	1.9	e16	9.3	6.5	1.1	e0.97
15	11	1.9	4.7	e2.6	e2.1	2.8	1.8	e10	76	3.2	1.1	e0.88
16	3.7	1.8	14	e2.5	e2.0	10	1.7	e4.2	359	2.4	1.0	e0.83
17	2.5	1.6	7.0	24	e2.0	5.6	1.7	e3.2	38	2.3	0.99	e0.79
18	2.1	56	5.6	16	e1.9	7.5	1.6	e7.3	9.7	1.9	1.1	e0.75
19	1.9	31	4.9	6.2	4.2	4.8	1.7	89	5.5	1.8	2.8	e0.71
20	1.5	6.8	4.2	4.0	10	4.9	6.4	7.4	3.9	1.5	59	e0.66
21	2.0	3.9	4.2	e3.0	7.0	3.7	2.5	3.6	5.4	23	6.6	e0.63
22	2.5	2.8	5.2	e2.4	4.4	2.8	33	2.4	8.1	89	2.5	e0.60
23	1.8	3.9	150	e2.1	4.0	2.6	10	3.2	2.8	5.8	1.7	e0.58
24	1.7	72	24	e1.9	3.9	2.6	3.7	7.8	2.3	3.0	68	e0.54
25	17	10	12	e1.8	3.3	2.5	8.4	16	1.9	4.9	33	e0.52
26	22	6.5	7.8	2.4	2.9	126	3.1	8.7	1.7	2.8	80	e0.51
27	3.3	31	6.4	2.9	2.6	33	2.3	3.9	1.5	2.1	6.9	e0.49
28	3.8	46	5.5	e2.2	2.4	11	1.8	4.1	1.5	1.7	35	e0.47
29	2.7	12	30	e1.9	2.5	8.7	1.7	1.9	1.4	1.5	12	e0.45
30	1.9	7.5	14	e1.8	---	47	2.0	172	1.3	2.2	4.6	e0.44
31	2.1	---	7.7	e1.9	---	68	---	166	---	3.1	2.9	---
TOTAL	228.24	341.6	433.7	688.7	138.6	465.9	148.1	570.2	738.2	481.6	418.79	43.52
MEAN	7.36	11.4	14.0	22.2	4.78	15.0	4.94	18.4	24.6	15.5	13.5	1.45
MAX	126	72	150	398	17	126	33	172	359	113	80	12
MIN	0.94	1.6	3.9	1.8	1.9	2.5	1.6	1.1	1.3	1.3	0.99	0.44
CFSM	0.97	1.50	1.85	2.93	0.63	1.98	0.65	2.43	3.25	2.05	1.78	0.19
IN.	1.12	1.68	2.13	3.38	0.68	2.29	0.73	2.80	3.62	2.36	2.06	0.21

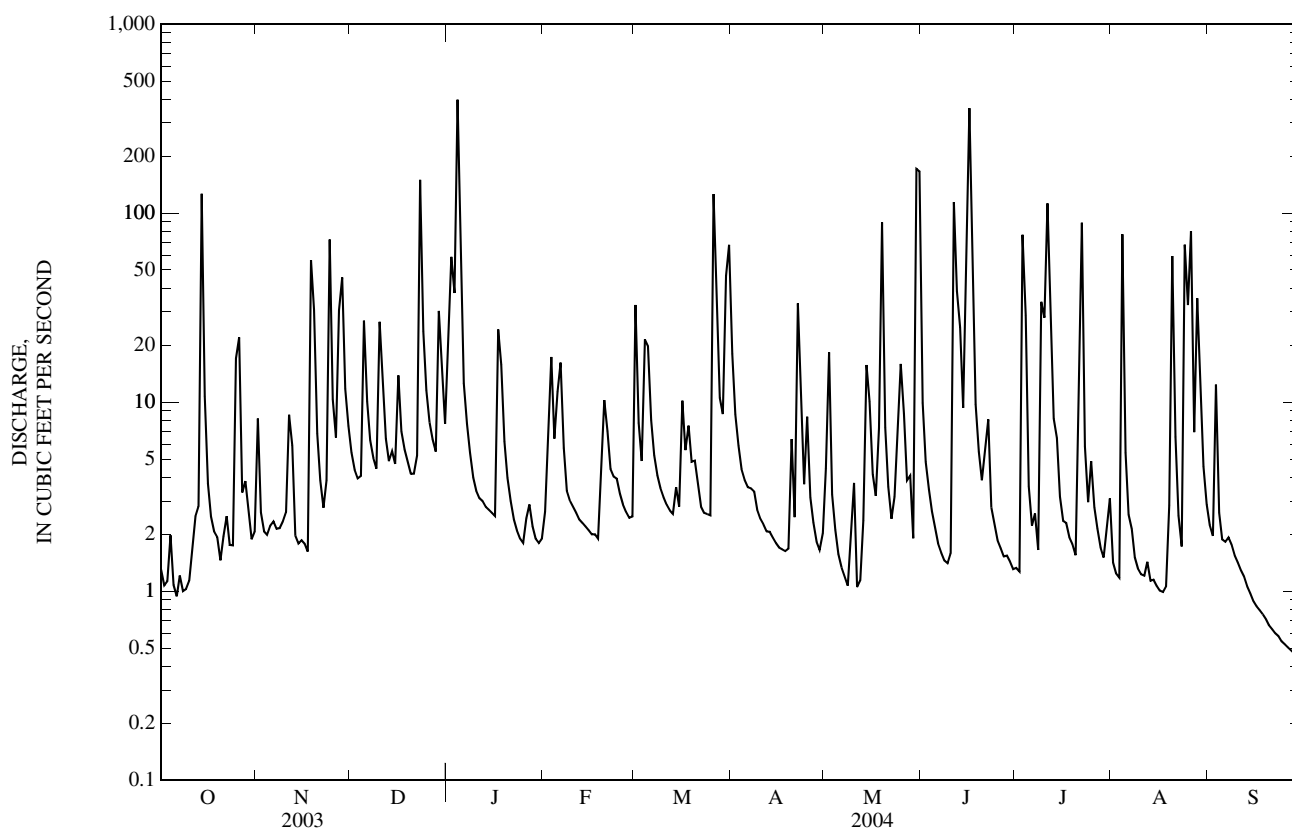
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2004, BY WATER YEAR (WY)

MEAN	4.72	8.70	8.61	8.00	8.60	12.8	11.0	10.7	8.07	8.68	5.10	4.98
MAX	27.5	36.9	33.3	25.0	25.7	42.3	28.5	37.8	49.2	33.8	21.3	34.3
(WY)	(1987)	(1994)	(1991)	(1969)	(1971)	(1963)	(1961)	(1996)	(1998)	(1979)	(1979)	(2003)
MIN	0.38	1.05	0.72	0.45	1.11	1.81	1.61	1.12	0.69	0.61	0.67	0.49
(WY)	(1964)	(2000)	(1964)	(1977)	(1978)	(2001)	(1971)	(1964)	(1967)	(1967)	(1967)	(1967)

03353120 PLEASANT RUN AT ARLINGTON AVENUE AT INDIANAPOLIS, IN—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1960 - 2004	
ANNUAL TOTAL	4,187.73		4,697.15		8.35	
ANNUAL MEAN	11.5		12.8		12.8	
HIGHEST ANNUAL MEAN					3.25	
LOWEST ANNUAL MEAN					1966	
HIGHEST DAILY MEAN	792	Sep 1	398	Jan 4	792	Sep 1, 2003
LOWEST DAILY MEAN	0.29	Aug 24	e 0.44	Sep 30	0.00	Sep 11, 1960
ANNUAL SEVEN-DAY MINIMUM	0.39	Aug 20	e 0.49	Sep 24	0.00	Oct 5, 1960
MAXIMUM PEAK FLOW			1,730	Jun 16	2,600	Jun 25, 1978
MAXIMUM PEAK STAGE			10.49	Jun 16	13.86	Jun 25, 1978
ANNUAL RUNOFF (CFSM)	1.51		1.69		1.10	
ANNUAL RUNOFF (INCHES)	20.55		23.05		14.97	
10 PERCENT EXCEEDS	24		29		17	
50 PERCENT EXCEEDS	3.1		3.0		1.9	
90 PERCENT EXCEEDS	0.79		1.2		0.50	

e Estimated



03353200 EAGLE CREEK AT ZIONSVILLE, IN

LOCATION.--Lat 39°56'47", long 86°15'37", in NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.2, T.17 N., R.2 E., Boone County, Hydrologic Unit 05120201, (ZIONSVILLE, IN quadrangle), on right upstream end of Zionsville Road bridge over Eagle Creek, 0.15 mi south of Highway 334, 1.0 mi downstream from Little Eagle Creek, 0.34 mi downstream from Long Branch Ditch, and at mile 24.4.

DRAINAGE AREA.--106 mi².

PERIOD OF RECORD.--October 1957 to current year.

REVISED RECORDS.--WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 813.85 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 9, 1957, nonrecording gage, and prior to Oct. 1, 1999 a continuous water-stage recorder at site 0.4 mi upstream and at datum 816.85 ft.

REMARKS.--Records fair except those for Apr. 1 - 8, May 31 to June 10, June 19 to July 16 and estimated daily discharges, which are poor. Prior to 1989, low flow affected by the Zionsville well field located on the right bank downstream of the gage.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 28, 1957, reached a stage of 19.20 ft. from floodmark (datum 816.85 ft).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	131	50	151	143	e31	313	560	25	186	16	10	4.5
2	104	112	123	156	e32	352	286	45	116	14	8.9	3.8
3	88	100	111	178	66	194	181	40	79	14	e8.2	5.9
4	86	80	104	2,370	52	354	133	30	55	32	e18	6.7
5	67	64	157	1,960	41	927	107	27	44	18	11	4.2
6	54	52	235	568	56	422	94	23	38	15	8.9	3.8
7	45	43	178	269	49	220	87	21	31	15	7.3	4.9
8	40	36	150	183	e35	153	81	19	27	13	6.2	3.7
9	35	30	133	146	e34	e130	e66	18	25	12	5.6	3.0
10	33	29	223	118	e33	e110	e56	18	24	13	5.3	2.4
11	33	44	308	109	e32	96	e46	17	1,990	41	4.5	2.4
12	28	71	184	106	e31	83	43	16	1,330	26	4.2	2.1
13	25	72	138	98	e30	70	41	19	572	15	4.1	1.8
14	113	49	124	92	e29	72	38	34	341	13	4.0	1.8
15	242	44	108	90	e29	65	33	38	340	12	3.8	2.1
16	149	43	112	78	e28	68	30	26	674	12	3.6	2.0
17	109	38	127	84	e26	68	29	23	548	18	3.3	2.1
18	85	113	111	125	e27	72	28	23	301	15	2.9	2.0
19	70	598	96	e90	158	92	25	157	198	12	2.8	2.0
20	56	279	80	e82	604	94	29	123	117	11	14	1.9
21	51	176	71	e64	405	112	40	82	91	11	14	1.7
22	45	140	76	e60	178	87	39	59	73	15	10	1.7
23	37	120	2,000	e56	183	74	59	48	48	14	7.4	1.6
24	32	671	1,010	e52	167	69	45	77	38	11	6.9	1.5
25	31	351	439	e48	129	64	45	70	30	10	6.2	1.4
26	36	209	232	e46	111	218	37	45	28	9.5	16	1.1
27	33	183	171	e44	99	562	33	39	23	8.9	9.4	1.2
28	33	400	155	e42	91	265	25	284	21	8.2	7.4	1.3
29	33	299	235	e34	93	171	23	109	20	7.9	6.0	1.4
30	28	197	361	e32	---	194	22	110	19	9.8	5.7	1.5
31	25	---	189	e32	---	1,270	---	566	---	13	5.0	---
TOTAL	1,977	4,693	7,892	7,555	2,879	7,041	2,361	2,231	7,427	455.3	230.6	77.5
MEAN	63.8	156	255	244	99.3	227	78.7	72.0	248	14.7	7.44	2.58
MAX	242	671	2,000	2,370	604	1,270	560	566	1,990	41	18	6.7
MIN	25	29	71	32	26	64	22	16	19	7.9	2.8	1.1
CFSM	0.60	1.48	2.40	2.30	0.94	2.14	0.74	0.68	2.34	0.14	0.07	0.02
IN.	0.69	1.65	2.77	2.65	1.01	2.47	0.83	0.78	2.61	0.16	0.08	0.03

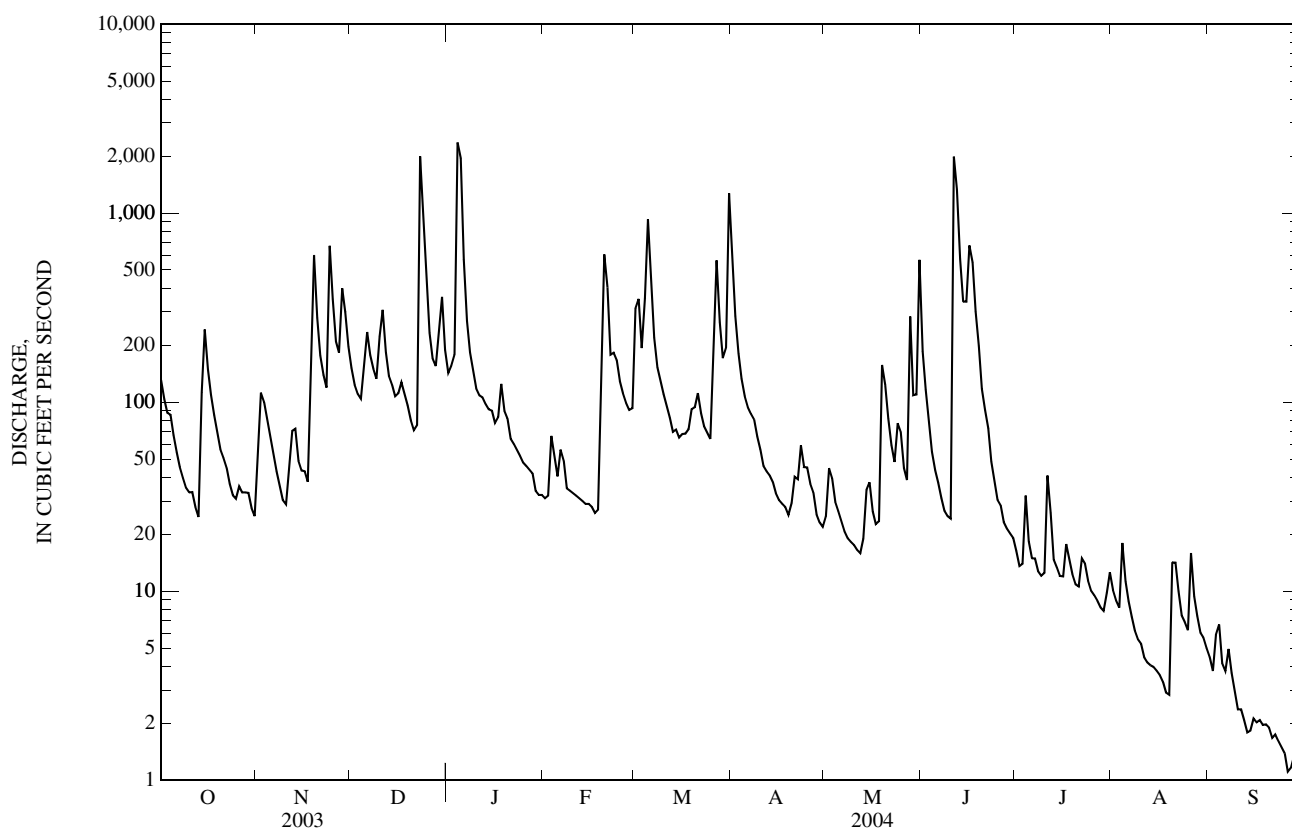
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2004, BY WATER YEAR (WY)

MEAN	27.9	83.5	124	118	147	195	169	117	96.3	66.5	33.6	28.6
MAX	330	542	530	452	423	459	532	456	523	520	444	414
(WY)	(2002)	(1993)	(1991)	(1974)	(1976)	(1963)	(1964)	(1996)	(1958)	(1979)	(1958)	(2003)
MIN	0.00	0.80	1.65	1.23	9.05	23.9	24.6	12.0	1.55	1.52	0.00	0.00
(WY)	(1967)	(2000)	(1977)	(1977)	(1964)	(2000)	(2000)	(1988)	(1988)	(1966)	(1966)	(1966)

03353200 EAGLE CREEK AT ZIONSVILLE, IN—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1958 - 2004	
ANNUAL TOTAL	72,803.1		44,819.4		100	
ANNUAL MEAN	199		122		188	
HIGHEST ANNUAL MEAN					15.9	
LOWEST ANNUAL MEAN					2000	
HIGHEST DAILY MEAN	4,910	Sep 1	2,370	Jan 4	6,840	Dec 30, 1990
LOWEST DAILY MEAN	6.5	Aug 26	1.1	Sep 26	0.00	Sep 9, 1959
ANNUAL SEVEN-DAY MINIMUM	8.4	Aug 21	1.3	Sep 24	0.00	Sep 15, 1959
MAXIMUM PEAK FLOW			4,140	Jan 4	12,400	Apr 20, 1964
MAXIMUM PEAK STAGE			9.56	Jan 4	14.64	Apr 20, 1964
ANNUAL RUNOFF (CFSM)	1.88		1.16		0.946	
ANNUAL RUNOFF (INCHES)	25.55		15.73		12.85	
10 PERCENT EXCEEDS	398		266		216	
50 PERCENT EXCEEDS	71		45		31	
90 PERCENT EXCEEDS	21		4.8		1.4	

e Estimated



03353450 EAGLE CREEK RESERVOIR NEAR INDIANAPOLIS, IN

LOCATION.--Lat 39°49'20", long 86°18'13", in NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 22, T.16 N., R.2 E., Marion County, Hydrologic Unit 05120201, (CLERMONT, IN quadrangle), in outlet structure of reservoir on Eagle Creek, 800 ft upstream from Interstate Highway 74, 0.5 mi downstream from School Branch, 1.0 mi northeast of Clermont, and 2 mi west of Indianapolis.

DRAINAGE AREA.--162 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 0.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Reservoir is formed by earth-fill dam. Low flow is controlled through a 48-inch diameter conduit. Spillway elevation, 783 ft is an ogee section with 6 taintor gates, each 40 ft wide and 25 ft high. Permanent pool capacity is 24,000 acre-ft, elevation, 790.00 ft. Reservoir is used for flood control, low-flow maintenance, water supply, and recreation. Reservoir put into operation Nov. 27, 1969.

COOPERATION.--Water-stage elevations and capacity tables furnished by Indianapolis Flood Control District.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 30,940 acre-ft May 11, 2003, elevation, 794.84 ft; minimum, 11,390 acre-ft Nov. 17-18, 1991, elevation, 778.70 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 28,000 acre-ft June 12, elevation, 792.86 ft; minimum, 21,010 acre-ft Sept. 30, elevation, 787.70 ft.

MONTHEND ELEVATION AND CONTENTS, AT 2400 HOURS

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30.....	790.51	24,710	
Oct. 31.....	789.22	22,990	- 1720
Nov. 30.....	790.21	24,290	+ 1300
Dec. 31.....	789.26	23,040	- 1250
CAL YR 2003	---	---	- 1180
Jan. 31.....	789.12	22,860	- 180
Feb. 28.....	789.33	23,130	+ 270
Mar. 31.....	791.58	26,210	+ 3080
Apr. 30.....	791.91	25,270	- 940
May 31.....	791.03	25,440	+ 170
Jun. 30.....	791.00	25,400	- 40
Jul. 31.....	790.64	204,900	- 500
Aug. 31.....	789.63	23,520	- 1380
Sep. 30.....	787.70	21,010	- 2510
WTR YR 2004	---	---	- 3700

03353451 EAGLE CREEK BELOW RESERVOIR AT INDIANAPOLIS, IN

LOCATION.--Lat 39°49'19", long 86°18'14", in NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 22, T.16 N., R.2 E., Marion County, Hydrologic Unit 05120201, (CLERMONT, IN quadrangle), in outlet structure of reservoir on Eagle Creek, 800 ft upstream from Interstate Highway 74, 0.5 mi downstream from School Branch, 1.0 mi northeast of Clermont, and 2.0 mi west of Indianapolis.

DRAINAGE AREA.--162 mi².

PERIOD OF RECORD.--October 1992 to current year. Published as "03353450 Eagle Creek Reservoir near Indianapolis" October 1992 to September 1994.

GAGE.--Water stage recorder located 100 ft downstream of outlet structure. Datum of gage is 741.15 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Mean daily discharges below 50 ft³/s published. Unit discharges below 50 ft³/s available in district office. For a complete record of Eagle Creek in this vicinity use records of Eagle Creek at Indianapolis, IN (station 03353500) about 4.9 mile downstream. Prior to Oct. 1993, this station was published under Eagle Creek Reservoir at Indianapolis (station 03353450).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	18	---	15	11	12
2	---	---	---	---	---	---	---	---	---	15	11	12
3	---	---	---	---	15	---	---	19	---	14	11	11
4	---	---	---	---	16	---	---	19	---	---	12	11
5	---	---	---	---	---	---	---	17	18	---	12	11
6	---	---	---	---	---	---	---	---	18	13	13	10
7	---	---	---	---	---	---	---	---	17	14	12	12
8	10	---	---	---	---	---	---	15	16	14	12	12
9	10	---	---	---	---	---	---	16	16	13	11	12
10	9.6	12	---	---	19	---	---	16	16	13	11	12
11	9.9	11	---	---	19	---	---	15	---	13	13	12
12	---	---	---	---	20	---	---	16	---	14	14	12
13	---	---	---	---	21	---	---	16	---	16	14	11
14	---	---	---	---	19	---	17	---	---	19	14	12
15	---	---	---	---	---	---	16	---	---	20	13	11
16	---	---	---	---	---	---	16	---	---	19	13	12
17	---	---	---	---	---	---	15	17	---	19	13	12
18	---	---	---	---	---	---	15	17	---	18	12	12
19	---	---	---	---	---	---	15	---	---	17	12	12
20	9.1	---	---	---	---	---	---	---	---	15	13	12
21	9.7	---	---	---	---	---	---	---	---	15	13	13
22	11	---	---	---	---	---	---	---	---	14	12	12
23	12	---	---	17	18	---	---	---	---	14	12	12
24	12	---	---	---	---	---	---	---	---	15	12	12
25	---	---	---	---	---	---	---	---	17	16	11	12
26	---	---	---	---	---	---	18	---	16	15	12	13
27	13	---	---	---	---	---	20	---	16	15	11	12
28	13	---	---	17	---	---	18	---	15	13	11	12
29	13	---	---	17	---	---	16	---	15	13	12	11
30	12	---	---	e18	---	---	16	---	15	12	12	11
31	11	---	---	e20	---	---	---	---	---	12	12	---
TOTAL	155.3	23	---	89	147	---	182	201	195	435	377	353
MEAN	11.1	11.5	---	17.8	18.4	---	16.5	16.8	16.2	15.0	12.2	11.8
MAX	13	12	---	20	21	---	20	19	18	20	14	13
MIN	9.1	11	---	17	15	---	15	15	15	12	11	10
CFSM	0.07	0.07	---	0.11	0.11	---	0.10	0.10	0.10	0.09	0.08	0.07
IN.	0.04	0.01	---	0.02	0.03	---	0.04	0.05	0.04	0.10	0.09	0.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

MEAN	9.13	9.10	9.00	9.77	10.3	11.0	14.1	12.9	11.7	11.2	9.42	9.44
MAX	13.0	12.6	12.0	17.8	18.4	16.0	24.2	23.0	16.2	15.0	13.0	19.4
(WY)	(2003)	(2001)	(1997)	(2004)	(2004)	(1997)	(1996)	(1996)	(2004)	(2004)	(1999)	(2003)
MIN	3.63	3.69	3.88	4.07	4.84	8.65	10.4	4.94	4.07	4.40	3.49	3.55
(WY)	(1995)	(1995)	(1996)	(1996)	(1995)	(1994)	(2000)	(1993)	(1993)	(1993)	(1994)	(1994)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

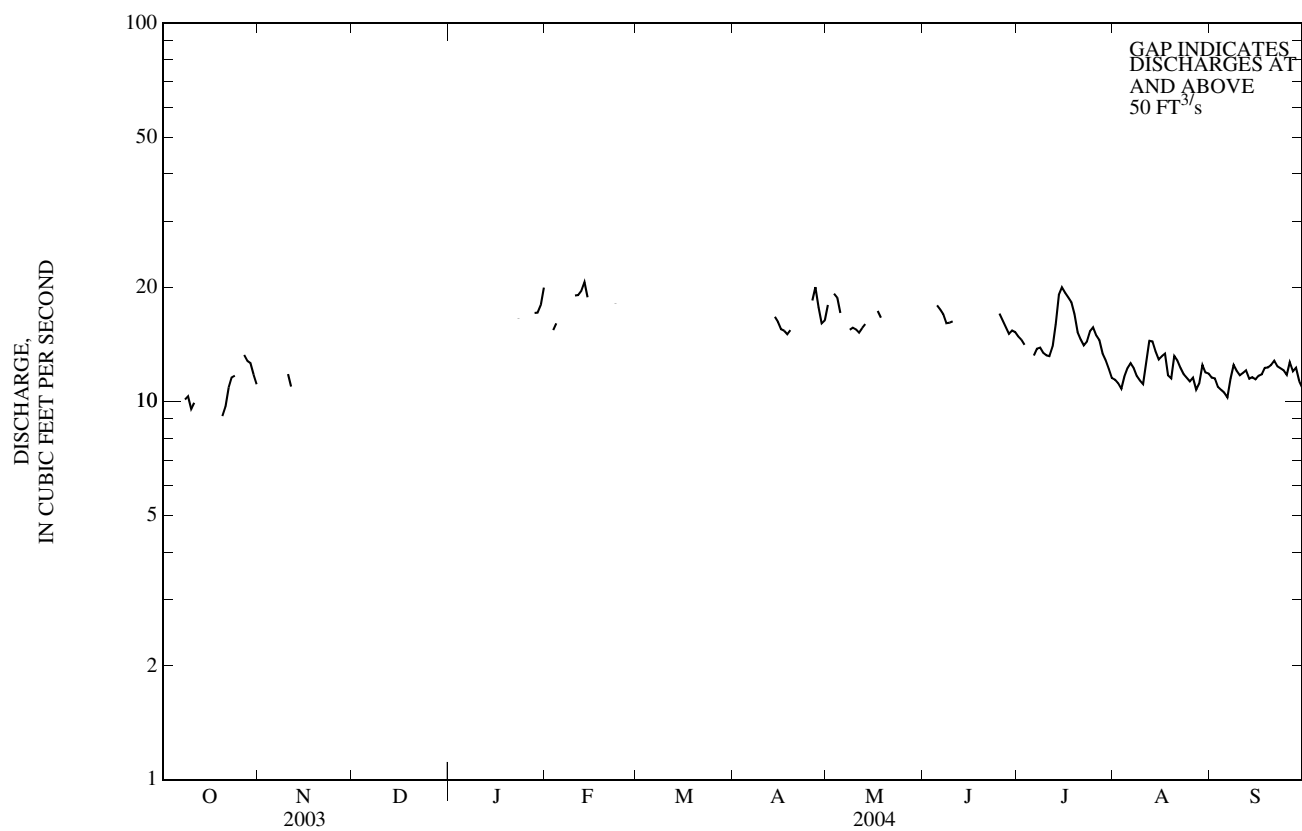
FOR 2004 WATER YEAR

WATER YEARS 1992 - 2004

ANNUAL TOTAL	2,382.1	2,157.3	
ANNUAL MEAN	12.9	14.0	10.3
HIGHEST ANNUAL MEAN			14.0
LOWEST ANNUAL MEAN			4.34
HIGHEST DAILY MEAN	31	Sep 15	34
LOWEST DAILY MEAN	9.1	Oct 20	2.0
ANNUAL SEVEN-DAY MINIMUM	11	Apr 27	2.3
ANNUAL RUNOFF (CFSM)	0.079	0.086	0.063
ANNUAL RUNOFF (INCHES)	0.55	0.50	0.86
10 PERCENT EXCEEDS	15	18	14
50 PERCENT EXCEEDS	12	13	11
90 PERCENT EXCEEDS	11	11	4.2

e Estimated

03353451 EAGLE CREEK BELOW RESERVOIR AT INDIANAPOLIS, IN—Continued



03353500 EAGLE CREEK AT INDIANAPOLIS, IN

LOCATION.--Lat 39°46'40", long 86°15'01", in NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.6, T.15 N., R.3 E., Marion County, Hydrologic Unit 05120201, (CLERMONT, IN quadrangle), on right bank at downstream side of bridge on Lynhurst Drive, approximately 600 ft south of intersection of West 10th Street and Lynhurst Drive, 0.5 mi downstream from West 10th Street bridge, 1.0 mi upstream from Vermont Street bridge, 3.0 mi upstream from Little Eagle Creek, and 7.1 mi upstream from mouth.

DRAINAGE AREA.--174 mi².

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

REVISED RECORDS.--WSP 953: 1939. WSP 1625: 1958. WSP 2109: Drainage area. WDR IN-93-1: 1992.

GAGE.--Water-stage recorder. Datum of gage is 697.00 ft above National Geodetic Vertical Datum of 1929. Aug. 8, 1957 to June 30, 1958, temporary site during reconstruction of bridge on Lynhurst Drive, a nonrecording gage on downstream side of 10th Street bridge. Mar. 10, 1966 to Aug. 16, 1967, during channelization of Eagle Creek, a nonrecording gage on downstream side of Lynhurst Drive bridge. Prior to Oct. 1, 1967, at datum 9.21 ft higher, (erroneously published as 7.21 ft higher in 1992 report). Oct. 1, 1967 to Sept. 30, 1992 at datum 2 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated since November 1969 by Eagle Creek Reservoir, 4.7 mi upstream (see station 03353450).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of 23.2 ft present datum, from information by local residents.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	539	53	426	248	164	221	e574	28	439	21	15	13
2	431	125	387	282	77	482	368	106	81	20	14	13
3	45	121	148	495	35	568	329	33	203	22	13	14
4	167	121	148	2,200	28	573	234	29	120	90	48	13
5	185	122	160	2,890	104	848	140	26	37	95	18	12
6	183	123	172	966	161	900	138	28	32	21	15	12
7	178	123	267	357	156	494	137	45	30	21	14	14
8	27	123	170	273	153	146	136	23	27	20	13	14
9	20	87	265	271	86	141	135	22	25	29	13	14
10	20	19	293	266	33	138	131	23	26	28	12	13
11	18	19	287	257	33	137	130	21	674	26	13	13
12	52	49	362	252	32	140	125	21	2,250	25	15	13
13	207	79	168	181	36	138	75	27	965	25	14	13
14	273	79	225	120	34	137	33	96	370	28	13	13
15	225	78	247	119	58	135	30	195	289	28	13	13
16	215	76	142	119	94	140	27	117	1,170	27	13	14
17	212	75	142	132	91	137	27	33	900	26	13	13
18	210	97	141	196	90	137	27	29	430	25	13	13
19	177	412	140	214	93	135	24	244	509	24	13	14
20	21	492	139	137	377	134	79	359	317	21	36	14
21	16	240	136	134	831	136	187	206	127	34	19	14
22	17	238	137	114	689	136	150	109	124	162	16	14
23	18	239	1,710	39	53	132	155	195	121	31	15	14
24	19	585	2,150	59	71	129	72	199	83	22	24	14
25	63	745	786	131	165	129	166	215	28	24	21	13
26	273	422	390	127	165	212	34	207	26	e23	46	15
27	66	576	220	94	164	184	31	111	24	e20	18	15
28	21	400	215	28	162	139	30	93	23	e18	15	15
29	20	152	556	27	161	e111	26	175	22	17	16	15
30	18	147	541	29	---	e300	26	273	21	23	15	13
31	16	---	377	56	---	e787	---	1,140	---	25	14	---
TOTAL	3,952	6,217	11,647	10,813	4,396	8,276	3,776	4,428	9,493	1,021	550	407
MEAN	127	207	376	349	152	267	126	143	316	32.9	17.7	13.6
MAX	539	745	2,150	2,890	831	900	574	1,140	2,250	162	48	15
MIN	16	19	136	27	28	111	24	21	21	17	12	12
CFSM	0.73	1.19	2.16	2.00	0.87	1.53	0.72	0.82	1.82	0.19	0.10	0.08
IN.	0.84	1.33	2.49	2.31	0.94	1.77	0.81	0.95	2.03	0.22	0.12	0.09

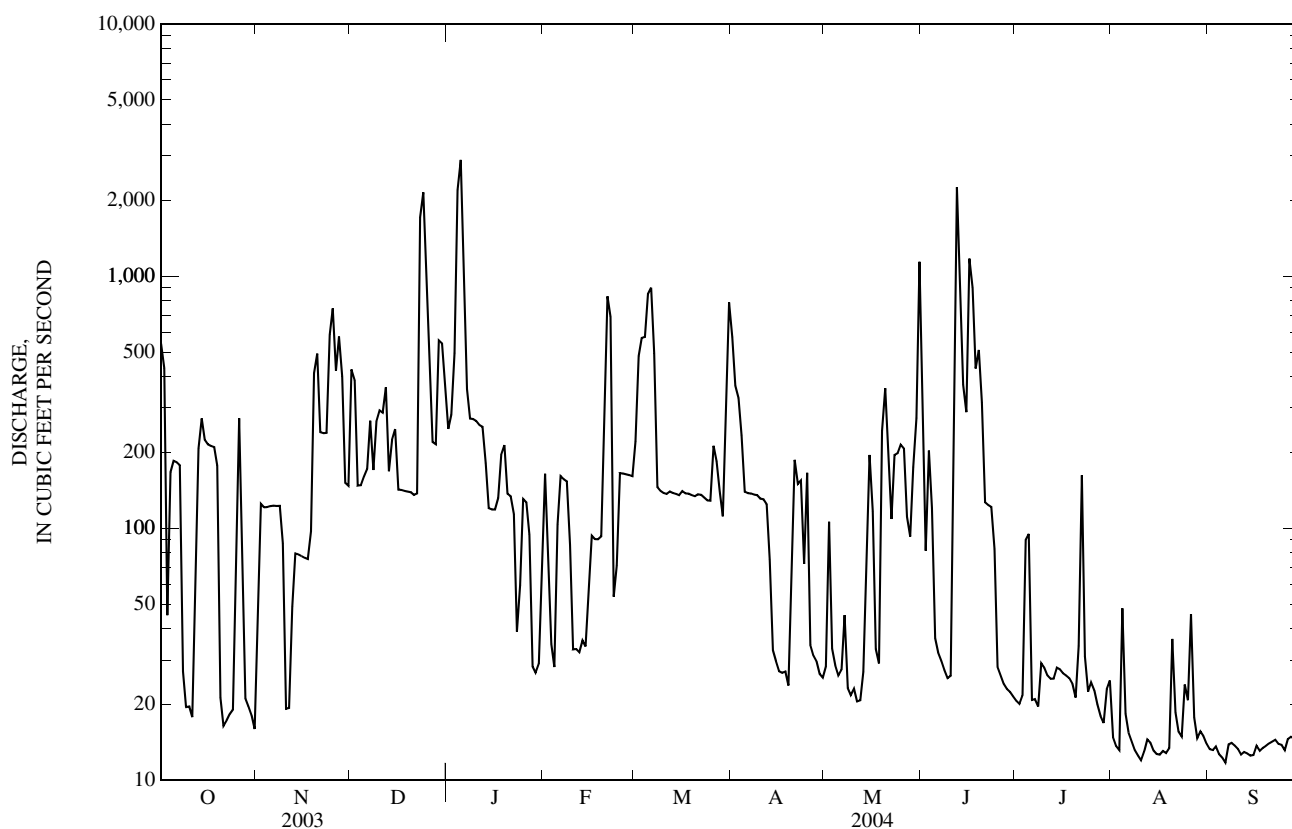
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2004, BY WATER YEAR (WY)

MEAN	41.6	112	166	203	238	303	292	220	152	90.3	38.0	49.6
MAX	574	851	906	1,485	765	900	906	1,127	904	800	490	780
(WY)	(2002)	(1993)	(1991)	(1950)	(1976)	(1978)	(1964)	(1943)	(1957)	(1979)	(1958)	(2003)
MIN	1.52	3.05	3.48	4.06	10.8	16.5	25.4	14.3	4.66	3.69	0.19	0.40
(WY)	(1941)	(1941)	(1945)	(1945)	(1998)	(2000)	(2000)	(1976)	(1988)	(1968)	(1941)	(1941)

03353500 EAGLE CREEK AT INDIANAPOLIS, IN—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1939 - 2004	
ANNUAL TOTAL	105,242		64,976		158	
ANNUAL MEAN	288		178		316	1974
HIGHEST ANNUAL MEAN					18.8	1941
LOWEST ANNUAL MEAN					9,890	Dec 30, 1990
HIGHEST DAILY MEAN	8,370	Sep 1	2,890	Jan 5	0.00	Aug 7, 1941
LOWEST DAILY MEAN	12	Aug 16	12	Aug 10	0.01	Aug 22, 1941
ANNUAL SEVEN-DAY MINIMUM	15	Aug 10	13	Aug 31	28,800	Jun 28, 1957
MAXIMUM PEAK FLOW			3,970	Jan 4	23.59	Jun 28, 1957
MAXIMUM PEAK STAGE			8.54	Jan 4	0.910	
ANNUAL RUNOFF (CFSM)	1.66		1.02		12.37	
ANNUAL RUNOFF (INCHES)	22.50		13.89		359	
10 PERCENT EXCEEDS	659		415		38	
50 PERCENT EXCEEDS	123		94		6.2	
90 PERCENT EXCEEDS	18		14			

e Estimated



03353600 LITTLE EAGLE CREEK AT SPEEDWAY, IN

LOCATION.--Lat 39°47'15", long 86°13'43", in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.32, T.16 N., R.3 E., Marion County, Hydrologic Unit 05120201, (INDIANAPOLIS WEST, IN quadrangle), on right bank at downstream side of 16th Street bridge in Speedway, 0.6 mi upstream from Dry Run, and 2.3 mi upstream from mouth.

DRAINAGE AREA.--24.3 mi² including 5.57 mi² from Dry Run basin. Since June 1964 part of the flow from the 5.57 mi² of Dry Run basin has been diverted into Little Eagle Creek above gage.

PERIOD OF RECORD.--October 1959 to current year. Figures of runoff for June 1964 to September 1966 have been found to be in error and should not be used.

REVISED RECORDS.--WDR IN-95-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 707.82 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources). Prior to June 13, 1975, at datum 3.00 ft higher.

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.5	22	18	22	e7.2	57	78	13	53	6.5	12	5.1
2	7.7	41	15	60	e14	33	46	44	30	6.2	8.1	4.6
3	7.0	15	13	52	e40	21	32	18	22	9.3	6.6	7.9
4	7.9	11	13	481	e22	61	24	13	17	35	61	12
5	6.3	11	48	184	e21	73	20	11	14	12	20	6.5
6	5.8	15	30	61	e41	39	17	10	14	7.7	9.7	5.1
7	5.3	15	19	36	e21	26	15	9.8	12	15	7.1	9.3
8	4.9	12	15	27	e15	19	15	8.4	11	8.0	5.8	5.3
9	4.8	11	13	21	e13	16	14	8.2	11	16	5.1	4.4
10	5.7	10	47	17	e12	13	12	9.0	12	22	4.8	e3.7
11	5.5	18	30	15	e11	13	11	7.7	179	27	4.8	e2.9
12	6.0	28	19	13	e9.9	10	10	7.1	117	25	4.3	e2.5
13	6.1	14	15	12	e9.4	9.9	9.9	9.8	68	15	4.1	e2.2
14	161	10	13	11	e8.8	11	9.2	52	65	12	3.8	e2.0
15	49	10	12	11	e8.5	10	8.7	41	275	7.2	3.7	e1.8
16	22	9.4	22	9.8	e8.2	17	8.4	17	440	5.9	3.5	e1.7
17	15	9.3	e14	31	e8.0	17	8.2	16	171	5.5	3.3	e1.6
18	12	64	e12	48	e7.8	16	8.5	17	102	5.0	3.1	e1.5
19	9.6	77	e11	23	e7.6	14	7.5	148	83	4.5	3.1	e1.4
20	7.9	27	e10	e14	32	15	20	63	66	4.1	55	e1.3
21	9.3	18	e9.4	e12	34	13	20	30	e27	31	27	e1.3
22	9.2	14	e9.0	e11	20	10	39	22	e22	148	9.6	e1.2
23	9.0	15	431	e9.7	17	8.9	46	18	e37	21	6.6	e1.1
24	8.5	159	101	e9.2	17	8.8	18	44	e24	11	14	e1.1
25	19	42	47	e8.9	14	10	30	74	e16	12	18	e1.0
26	24	26	29	e10	12	183	19	38	e12	9.1	61	e1.0
27	11	35	22	e11	11	163	13	27	e9.4	7.4	16	e0.97
28	9.4	73	19	e12	10	57	11	32	e7.0	6.2	10	e0.92
29	9.2	35	44	e8.4	9.4	38	9.6	21	6.8	5.5	8.6	e0.86
30	7.6	24	39	e7.8	---	72	9.3	107	6.8	16	6.8	e0.82
31	7.4	---	23	e7.4	---	226	---	238	---	39	5.6	---
TOTAL	482.6	870.7	1,162.4	1,256.2	461.8	1,280.6	589.3	1,174.0	1,930.0	555.1	412.1	93.07
MEAN	15.6	29.0	37.5	40.5	15.9	41.3	19.6	37.9	64.3	17.9	13.3	3.10
MAX	161	159	431	481	41	226	78	238	440	148	61	12
MIN	4.8	9.3	9.0	7.4	7.2	8.8	7.5	7.1	6.8	4.1	3.1	0.82
CFSM	0.64	1.19	1.54	1.67	0.66	1.70	0.81	1.56	2.65	0.74	0.55	0.13
IN.	0.74	1.33	1.78	1.92	0.71	1.96	0.90	1.80	2.95	0.85	0.63	0.14

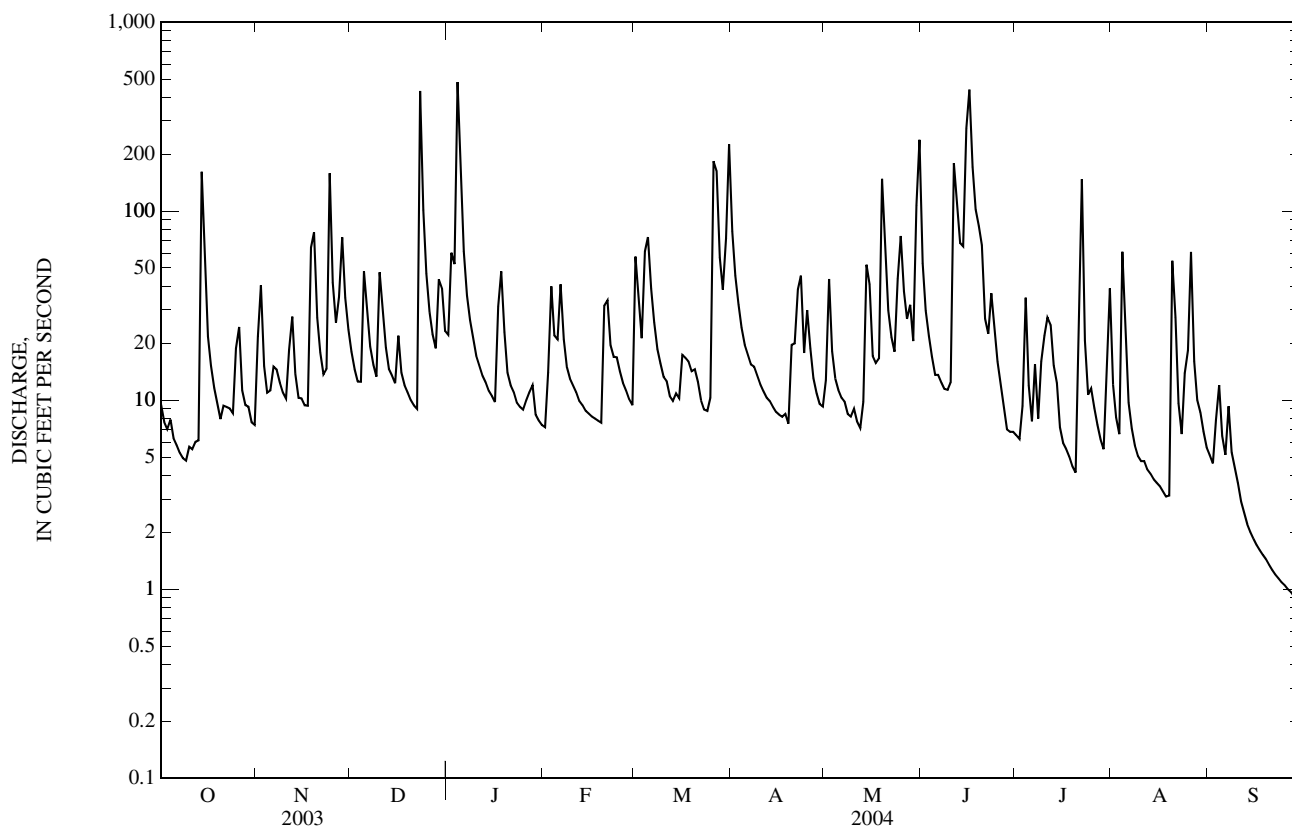
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2004, BY WATER YEAR (WY)

	MEAN	24.8	28.7	26.0	30.6	37.4	35.8	34.4	22.6	19.6	11.9	13.9
MAX	88.9	115	111	78.3	77.1	87.8	84.4	140	112	92.3	44.7	114
(WY)	(1987)	(1994)	(1991)	(1969)	(1997)	(1978)	(1996)	(1996)	(1998)	(1979)	(1979)	(2003)
MIN	0.81	1.50	0.85	0.32	3.82	4.84	5.51	4.84	0.98	0.67	0.15	0.20
(WY)	(1967)	(1966)	(1977)	(1977)	(1978)	(1981)	(1976)	(1976)	(1988)	(1966)	(1966)	(1966)

03353600 LITTLE EAGLE CREEK AT SPEEDWAY, IN—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1965 - 2004	
ANNUAL TOTAL	13,314.5		10,267.87		24.9	
ANNUAL MEAN	36.5		28.1		43.6	1993
HIGHEST ANNUAL MEAN					4.86	1966
LOWEST ANNUAL MEAN					2,130	Sep 1, 2003
HIGHEST DAILY MEAN	2,130	Sep 1	481	Jan 4	0.00	Jul 8, 1966
LOWEST DAILY MEAN	1.9	Jan 30	e 0.82	Sep 30	0.07	Aug 2, 1966
ANNUAL SEVEN-DAY MINIMUM	2.0	Jan 26	e 0.95	Sep 24	3,870	Sep 1, 2003
MAXIMUM PEAK FLOW			1,170	Jun 15	12.79	Sep 1, 2003
MAXIMUM PEAK STAGE			6.47	Jun 15	1.02	
ANNUAL RUNOFF (CFSM)	1.50		1.15		13.90	
ANNUAL RUNOFF (INCHES)	20.38		15.72		51	
10 PERCENT EXCEEDS	64		58		8.4	
50 PERCENT EXCEEDS	13		13		1.5	
90 PERCENT EXCEEDS	4.8		4.9			

e Estimated



03353611 WHITE RIVER AT STOUT GEN. STN. AT INDIANAPOLIS, IN

LOCATION.--Lat 39°42'52", long 86°12'02", in SE¼NE¼ sec.28, T.15N., R.3E., Marion County, Hydrologic Unit 05120201, (MAYWOOD, IN quadrangle), on right bank 0.34 mi above confluence with Lick Creek, 0.63 mi west of South Harding Street, 1.42 mi east of Lockburn Street and 1.46 mi south of Raymond Street, and at mile 226.3.

DRAINAGE AREA.--1,898 mi².

PERIOD OF RECORD.--Oct. 1, 1992 to current year.

GAGE.--Water-stage recorder. Datum of gage is 663.40 above National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow affected by regulation of Morse Reservoir, Geist Reservoir, and Eagle Creek Reservoir and by diversion of municipal water supply by the Indianapolis Water Company.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,020	1,260	3,940	3,860	e1,170	2,130	6,540	828	8,150	860	785	493
2	2,340	1,580	3,100	4,090	e1,240	3,350	4,300	1,120	6,040	807	695	410
3	1,760	1,620	2,390	4,000	e1,400	3,890	3,050	1,030	3,410	918	605	399
4	1,670	1,500	2,090	11,400	e1,360	3,430	2,340	1,030	2,320	1,500	1,200	707
5	1,570	1,390	2,290	18,200	e1,420	5,010	1,800	1,020	1,700	1,290	823	495
6	1,420	1,330	2,540	17,700	1,710	7,390	1,540	922	1,430	1,000	649	428
7	1,290	1,240	3,150	14,300	1,640	5,100	1,430	845	1,250	885	549	431
8	1,110	1,160	2,870	6,790	1,700	3,280	1,370	785	1,110	800	501	428
9	1,040	1,120	2,530	3,980	1,550	2,650	1,280	708	998	852	465	408
10	1,000	993	2,720	3,200	1,350	2,280	1,190	704	946	1,010	441	373
11	971	992	3,230	2,710	1,280	2,010	1,120	679	4,300	1,420	413	399
12	959	1,210	3,800	2,500	1,300	1,850	1,080	644	15,800	1,400	386	385
13	1,050	1,870	2,930	2,450	1,280	1,710	1,070	664	15,800	1,050	440	385
14	2,520	2,220	2,420	2,160	1,290	1,610	970	1,180	10,400	867	463	374
15	2,410	1,720	2,220	2,050	1,250	1,560	902	1,400	8,390	735	452	367
16	3,490	1,500	2,030	1,930	1,240	1,620	902	1,200	11,400	660	462	394
17	3,090	1,370	2,030	1,960	1,220	1,580	925	972	11,600	666	433	395
18	2,230	1,600	2,140	2,300	1,150	1,570	903	880	9,450	661	436	363
19	1,810	3,020	2,070	2,220	1,220	1,580	857	2,040	6,610	594	443	343
20	1,490	4,840	1,840	1,920	2,100	1,650	926	2,420	4,200	535	936	359
21	1,310	4,240	1,660	1,700	4,750	1,860	1,100	1,970	2,920	602	976	375
22	1,230	2,980	1,570	1,600	4,680	2,030	1,250	1,380	2,440	2,800	801	369
23	1,170	2,380	7,270	e1,340	2,880	1,820	1,490	1,250	2,020	1,060	745	361
24	1,100	4,000	12,500	e1,320	2,530	1,640	1,230	1,400	1,680	838	756	345
25	1,180	5,100	11,300	e1,300	2,440	1,580	1,400	1,540	1,430	717	1,070	335
26	1,580	4,360	6,690	e1,270	2,160	2,440	1,190	1,330	1,270	632	1,120	330
27	1,320	3,740	4,210	e1,300	1,930	4,450	1,040	1,060	1,160	583	651	343
28	1,250	4,050	3,420	e1,260	1,760	5,650	926	1,930	1,070	550	528	356
29	1,260	5,690	3,620	e1,170	1,670	4,460	834	5,470	991	538	528	359
30	1,220	5,490	4,190	e1,170	---	3,530	813	6,050	937	564	483	369
31	1,150	---	4,850	e1,130	---	6,390	---	8,500	---	839	533	---
TOTAL	50,010	75,565	113,610	124,280	52,670	91,100	45,768	52,951	141,222	28,233	19,768	11,878
MEAN	1,613	2,519	3,665	4,009	1,816	2,939	1,526	1,708	4,707	911	638	396
MAX	3,490	5,690	12,500	18,200	4,750	7,390	6,540	8,500	15,800	2,800	1,200	707
MIN	959	992	1,570	1,130	1,150	1,560	813	644	937	535	386	330
CFSM	0.85	1.33	1.93	2.11	0.96	1.55	0.80	0.90	2.48	0.48	0.34	0.21
IN.	0.98	1.48	2.23	2.44	1.03	1.79	0.90	1.04	2.77	0.55	0.39	0.23

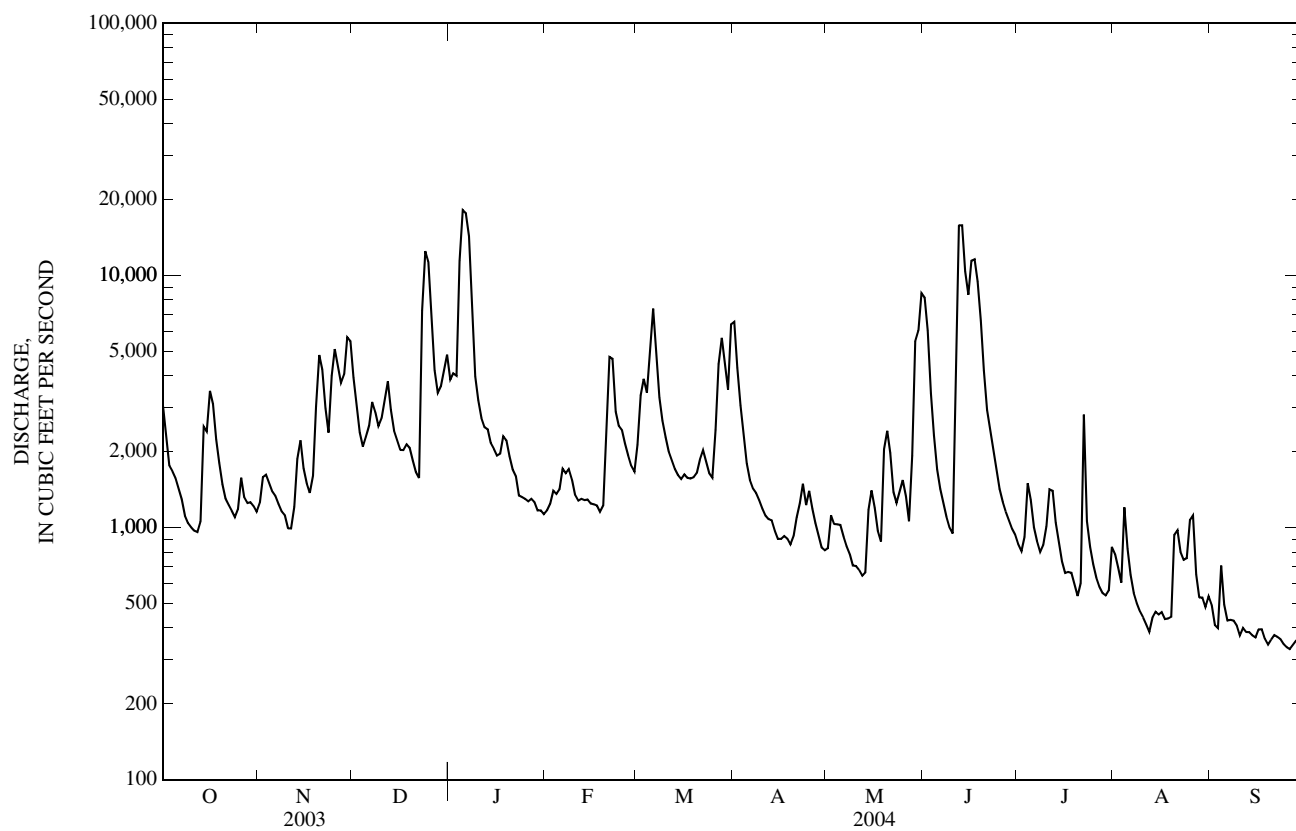
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

MEAN	1,028	2,051	1,758	2,442	2,051	2,928	2,734	3,145	2,534	1,705	626	1,046
MAX	5,339	7,366	4,215	4,949	4,000	5,526	5,334	7,735	6,924	6,751	1,360	6,137
(WY)	(2002)	(1994)	(1997)	(1999)	(1997)	(1997)	(2002)	(1996)	(1998)	(2003)	(1998)	(2003)
MIN	227	200	252	269	666	751	1,418	1,326	829	533	273	181
(WY)	(1995)	(2000)	(2000)	(2000)	(1995)	(2000)	(2003)	(2000)	(1994)	(1999)	(1999)	(1999)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1992 - 2004	
ANNUAL TOTAL	1,107,042		807,055			
ANNUAL MEAN	3,033		2,205		2,002	
HIGHEST ANNUAL MEAN					2,947	
LOWEST ANNUAL MEAN					770	
HIGHEST DAILY MEAN	37,800		18,200		37,800	
LOWEST DAILY MEAN	388		330		150	
ANNUAL SEVEN-DAY MINIMUM	494		347		161	
MAXIMUM PEAK FLOW			19,100		51,500	
MAXIMUM PEAK STAGE			9.42		15.42	
ANNUAL RUNOFF (CFSM)	1.60		1.16		1.06	
ANNUAL RUNOFF (INCHES)	21.70		15.82		14.34	
10 PERCENT EXCEEDS	5,930		4,450		4,470	
50 PERCENT EXCEEDS	1,570		1,360		1,020	
90 PERCENT EXCEEDS	670		463		300	

e Estimated

03353611 WHITE RIVER AT STOUT GEN. STN. AT INDIANAPOLIS, IN—Continued



03353611 WHITE RIVER AT STOUT GEN. STN. AT INDIANAPOLIS, IN—Continued

WATER-QUALITY RECORDS

INSTRUMENTATION.--Temperature recorder.

PERIOD OF RECORD.--

WATER TEMPERATURE.-- September 1992 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 31.6°C, July 25, 1999; minimum, -0.1°C, Jan. 29, 1995.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 28.4°C, Aug. 3; minimum, 15.1°C, May 3.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

[illegible]

03353611 WHITE RIVER AT STOUT GEN. STN. AT INDIANAPOLIS, IN—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	18.3	17.1	17.7
2	---	---	---	---	---	---	---	---	---	17.2	15.6	16.4
3	---	---	---	---	---	---	---	---	---	17.2	15.1	16.2
4	---	---	---	---	---	---	---	---	---	17.2	15.5	16.3
5	---	---	---	---	---	---	---	---	---	18.0	16.0	16.7
6	---	---	---	---	---	---	---	---	---	19.8	16.7	18.1
7	---	---	---	---	---	---	---	---	---	20.7	19.1	19.9
8	---	---	---	---	---	---	---	---	---	21.7	18.3	19.9
9	---	---	---	---	---	---	---	---	---	22.6	19.7	21.1
10	---	---	---	---	---	---	---	---	---	22.3	21.0	21.6
11	---	---	---	---	---	---	---	---	---	23.5	21.5	22.3
12	---	---	---	---	---	---	---	---	---	24.1	22.5	23.1
13	---	---	---	---	---	---	---	---	---	23.1	22.8	23.0
14	---	---	---	---	---	---	---	---	---	23.0	20.2	22.3
15	---	---	---	---	---	---	---	---	---	20.7	19.5	20.2
16	---	---	---	---	---	---	---	---	---	21.0	19.0	19.9
17	---	---	---	---	---	---	---	---	---	22.1	19.7	20.7
18	---	---	---	---	---	---	---	---	---	22.8	20.7	21.6
19	---	---	---	---	---	---	---	---	---	22.1	20.4	21.2
20	---	---	---	---	---	---	---	---	---	22.1	20.8	21.4
21	---	---	---	---	---	---	---	---	---	23.7	21.5	22.5
22	---	---	---	---	---	---	---	---	---	24.7	22.5	23.5
23	---	---	---	---	---	---	---	---	---	23.7	23.1	23.5
24	---	---	---	---	---	---	---	---	---	23.7	22.4	23.1
25	---	---	---	---	---	---	---	---	---	23.4	22.3	23.0
26	---	---	---	---	---	---	---	---	---	23.1	22.2	22.6
27	---	---	---	---	---	---	---	---	---	23.2	21.9	22.5
28	---	---	---	---	---	---	---	---	---	23.4	22.3	22.8
29	---	---	---	---	---	---	---	---	---	22.6	20.4	21.3
30	---	---	---	---	---	---	---	---	---	21.4	20.2	20.7
31	---	---	---	---	---	---	---	---	---	22.0	20.2	21.1
MONTH	---	---	---	---	---	---	---	---	---	24.7	15.1	20.8
	JUNE			JULY			AUGUST			SEPTEMBER		
1	21.2	20.4	20.8	25.4	23.5	24.4	26.6	24.1	25.2	26.6	24.5	25.4
2	21.0	20.0	20.6	26.0	24.2	25.1	27.1	25.1	25.9	26.8	24.7	25.6
3	21.5	19.8	20.7	25.9	25.0	25.4	28.4	25.8	26.7	26.4	25.0	25.6
4	22.0	20.4	21.2	25.9	24.6	25.2	26.9	24.8	26.0	27.2	24.9	25.9
5	22.5	20.6	21.5	26.4	24.9	25.6	26.2	24.9	25.6	27.5	25.5	26.3
6	22.9	21.0	21.8	26.9	25.4	26.1	25.5	24.8	25.2	27.4	25.6	26.4
7	23.8	21.4	22.5	26.2	25.6	25.9	26.2	24.5	25.2	26.6	25.3	25.9
8	25.0	22.4	23.6	25.6	24.9	25.3	26.6	24.5	25.4	25.4	23.9	24.7
9	25.5	24.0	24.7	26.3	24.9	25.4	26.6	24.7	25.6	25.8	23.6	24.5
10	25.2	24.6	24.9	26.2	24.8	25.5	26.6	24.8	25.6	26.2	23.7	24.9
11	24.8	23.0	24.0	26.7	25.2	25.8	25.5	24.1	24.7	26.0	24.1	25.1
12	23.9	22.6	23.1	26.2	25.1	25.6	24.2	23.3	23.7	26.1	24.5	25.3
13	23.5	22.5	22.9	27.6	25.7	26.5	23.8	23.0	23.3	26.6	24.8	25.6
14	23.9	22.5	23.2	26.8	25.9	26.3	23.7	22.8	23.3	26.4	25.2	25.8
15	24.6	23.1	23.6	26.8	25.5	26.1	24.5	22.7	23.5	26.3	25.1	25.7
16	24.0	22.7	23.4	27.3	25.8	26.4	25.1	22.9	23.9	25.9	24.8	25.4
17	24.2	23.2	23.6	26.9	25.8	26.3	25.3	22.9	24.1	25.5	24.0	24.9
18	24.7	22.8	23.7	26.1	25.4	25.7	25.7	23.0	24.4	24.9	23.7	24.3
19	24.7	23.4	24.1	26.6	25.1	25.7	26.5	23.5	25.1	24.6	23.1	23.9
20	23.8	22.3	23.2	27.2	25.2	26.1	25.3	22.5	23.9	24.5	23.0	23.8
21	23.4	22.5	23.0	27.1	25.6	26.3	24.0	22.3	23.1	24.9	23.0	23.8
22	23.3	22.4	22.8	26.3	23.4	25.1	24.7	23.2	24.0	25.0	22.8	24.0
23	23.8	22.0	22.8	27.0	25.8	26.3	25.9	23.6	24.7	25.2	23.2	24.2
24	24.4	22.4	23.4	26.3	25.2	25.7	26.4	24.2	25.2	24.6	23.3	24.2
25	23.1	22.3	22.7	25.5	23.5	24.4	25.5	24.1	24.7	25.4	23.7	24.5
26	23.8	21.7	22.6	23.5	22.6	23.1	24.9	23.7	24.6	24.8	23.2	24.0
27	24.0	22.1	23.0	24.2	22.2	23.2	26.3	24.6	25.3	24.6	23.0	23.7
28	24.0	22.5	23.1	25.6	22.6	23.9	26.8	25.4	25.7	24.4	22.6	23.2
29	24.4	22.5	23.3	24.7	23.2	23.9	25.5	24.8	25.2	23.6	22.1	22.6
30	25.0	22.8	23.7	24.7	23.6	24.2	25.9	24.2	24.8	22.6	21.2	21.9
31	---	---	---	25.4	23.5	24.4	26.1	24.2	25.0	---	---	---
MONTH	25.5	19.8	22.9	27.6	22.2	25.3	28.4	22.3	24.8	27.5	21.2	24.7
YEAR	28.4	15.1	23.7									

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	26	17	26	e6.1	46	54	6.9	29	1.5	4.1	e4.7
2	3.2	14	13	106	e8.7	29	28	25	15	1.4	3.7	e3.6
3	3.2	9.9	11	82	e49	17	18	7.3	8.7	34	4.0	e3.2
4	3.9	9.9	11	786	e31	31	12	4.4	7.4	53	71	e2.8
5	3.0	7.8	43	231	e28	49	9.9	3.7	4.9	9.2	18	e2.6
6	2.6	6.9	34	64	e56	28	8.3	2.9	4.1	5.3	7.5	e2.3
7	2.3	6.2	21	42	e33	18	7.7	2.6	3.4	e6.6	5.1	e2.1
8	2.1	5.1	17	25	e19	13	7.2	2.4	3.0	e7.9	4.2	e1.9
9	2.0	4.7	13	21	e15	11	6.1	2.2	2.7	e11	3.5	e1.8
10	2.1	4.5	41	e17	e13	9.5	5.1	2.1	2.7	e16	2.9	e1.7
11	2.3	7.1	34	e15	e12	8.6	4.7	1.9	56	e22	2.4	e1.6
12	2.8	16	19	e14	e12	7.7	4.6	1.8	22	e18	2.1	e1.5
13	2.7	10	14	e13	e11	6.8	4.3	3.0	14	e11	2.0	e1.4
14	140	7.6	13	e13	e11	7.9	3.9	24	12	e9.6	2.0	e1.3
15	41	8.4	12	e12	e10	7.1	3.7	18	15	e5.7	1.8	e1.2
16	17	8.2	20	e11	e9.6	16	3.4	6.0	245	e4.8	1.7	e1.1
17	10	7.0	20	e27	e9.4	14	3.2	4.8	92	e4.1	1.6	e1.00
18	7.6	47	15	e53	e9.9	13	3.0	10	27	e3.7	1.6	e0.98
19	6.7	80	14	e25	e14	14	2.7	67	15	e3.3	1.5	e0.91
20	5.7	30	12	e11	34	11	7.2	22	8.4	e3.3	61	e0.80
21	5.4	16	13	e9.5	32	11	5.7	8.5	7.0	e28	22	e0.80
22	5.7	12	11	e8.5	20	9.4	23	5.0	13	e126	6.6	e0.73
23	5.4	12	204	e7.6	19	7.8	26	4.4	5.2	e20	3.8	e0.68
24	5.2	134	68	e6.5	21	7.1	7.7	12	3.8	e9.0	15	e0.62
25	15	37	35	e6.1	17	6.6	11	16	3.1	e11	40	e0.57
26	39	23	24	e6.0	14	123	7.9	12	2.7	e8.2	171	e0.54
27	14	61	18	e6.1	13	105	5.8	8.3	2.3	6.8	e26	e0.51
28	11	104	16	e6.1	13	35	3.6	7.4	2.1	5.1	e16	e0.50
29	14	42	52	e6.0	11	23	2.9	3.7	1.9	4.2	e11	e0.44
30	9.7	25	52	e5.7	---	38	3.1	87	1.7	4.8	e7.8	e0.44
31	8.1	---	26	e5.7	---	139	---	249	---	7.1	e5.9	---
TOTAL	396.4	782.3	913	1,667.8	551.7	862.5	293.7	631.3	630.1	461.6	526.8	44.32
MEAN	12.8	26.1	29.5	53.8	19.0	27.8	9.79	20.4	21.0	14.9	17.0	1.48
MAX	140	134	204	786	56	139	54	249	245	126	171	4.7
MIN	2.0	4.5	11	5.7	6.1	6.6	2.7	1.8	1.7	1.4	1.5	0.44
CFSM	0.82	1.67	1.89	3.45	1.22	1.78	0.63	1.31	1.35	0.95	1.09	0.09
IN.	0.95	1.87	2.18	3.98	1.32	2.06	0.70	1.51	1.50	1.10	1.26	0.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2004, BY WATER YEAR (WY)

MEAN	9.48	20.7	23.0	21.5	25.7	30.7	26.8	26.8	18.5	17.4	10.6	9.50
MAX	55.9	102	76.4	53.8	57.1	64.6	71.4	102	88.8	95.5	54.1	54.8
(WY)	(2002)	(1994)	(1991)	(2004)	(1975)	(1978)	(1996)	(1996)	(1998)	(1992)	(1979)	(2003)
MIN	1.03	0.71	2.14	1.00	4.67	5.46	3.92	1.87	0.39	2.55	1.28	0.17
(WY)	(1983)	(2000)	(1981)	(1981)	(1978)	(2001)	(1971)	(1988)	(1988)	(1991)	(1986)	(1999)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

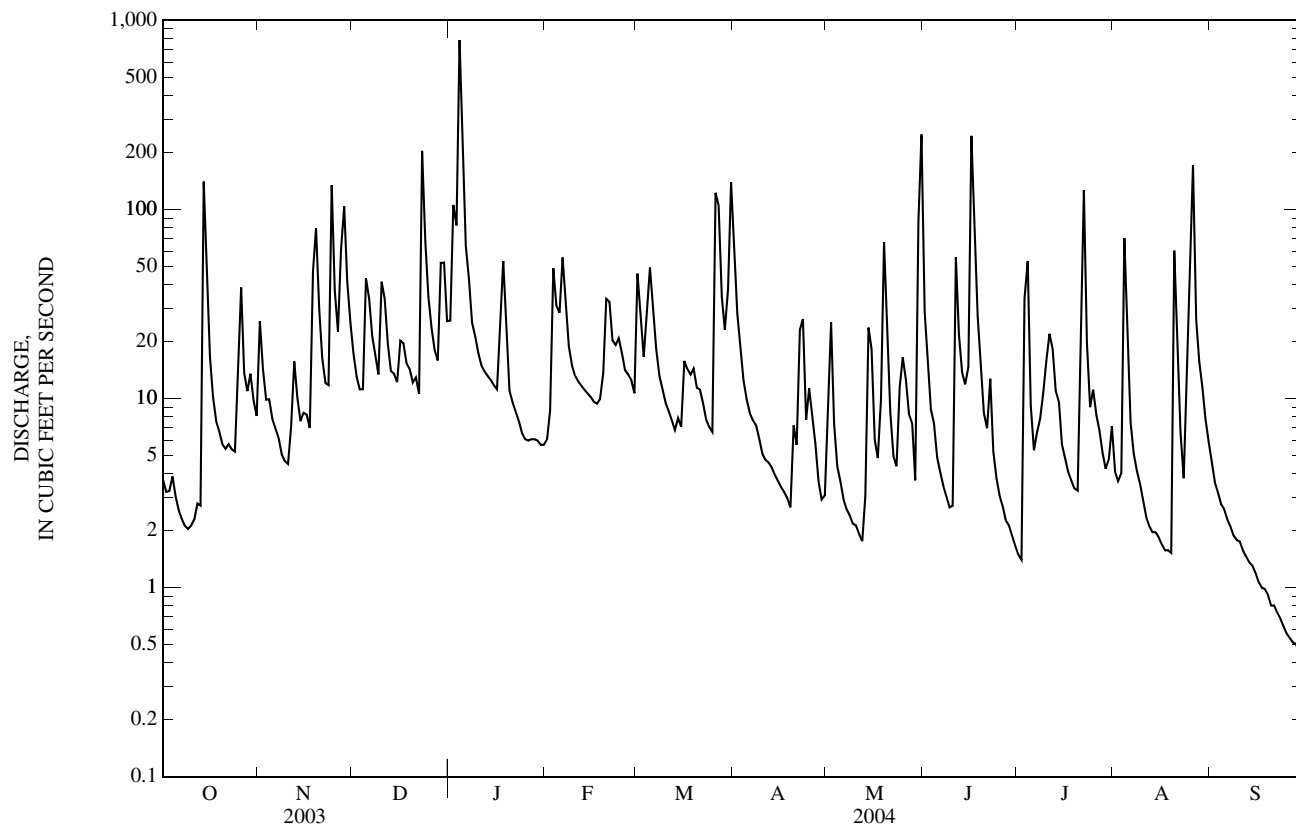
FOR 2004 WATER YEAR

WATER YEARS 1971 - 2004

ANNUAL TOTAL	8,711.0		7,761.52			
ANNUAL MEAN	23.9		21.2		20.0	
HIGHEST ANNUAL MEAN					30.6	2002
LOWEST ANNUAL MEAN					10.8	2000
HIGHEST DAILY MEAN	1,120	Sep 1	786	Jan 4	1,380	Nov 14, 1993
LOWEST DAILY MEAN	1.1	Aug 26	e 0.44	Sep 29	0.05	Sep 19, 1983
ANNUAL SEVEN-DAY MINIMUM	1.2	Aug 20	e 0.52	Sep 24	0.07	Sep 22, 1999
MAXIMUM PEAK FLOW			1,410	Jan 4	2,500	Jun 25, 1978
MAXIMUM PEAK STAGE			6.63	Jan 4	9.61	Jun 25, 1978
ANNUAL RUNOFF (CFSM)	1.53		1.36		1.28	
ANNUAL RUNOFF (INCHES)	20.77		18.51		17.45	
10 PERCENT EXCEEDS	47		42		43	
50 PERCENT EXCEEDS	10		9.4		6.8	
90 PERCENT EXCEEDS	2.0		2.0		1.2	

e Estimated

03353620 LICK CREEK AT INDIANAPOLIS, IN—Continued



03353637 LITTLE BUCK CREEK NEAR INDIANAPOLIS, IN

LOCATION.--Lat 39°40'00", long 86°11'48", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.10, T.14 N., R.3 E., Marion County, Hydrologic Unit 05120201, (MAYWOOD, IN quadrangle), on right bank, 10 ft upstream from bridge on South Belmont Street, 0.75 mi west of State Road 37, 1.5 mi south of Interstate 465, and 2.2 mi above mouth.

DRAINAGE AREA.--17.0 mi².

PERIOD OF RECORD.--October 1989 to current year.

REVISED RECORDS.--WDR IN-95-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 666.20 above National Geodetic Vertical Datum of 1929.

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.3	14	21	21	e6.2	24	52	7.0	38	0.39	13	14
2	6.1	13	16	109	26	23	28	17	19	0.21	11	13
3	5.6	9.5	14	57	50	17	21	10	13	6.8	10	12
4	6.9	7.6	13	559	45	22	16	7.7	9.9	33	25	11
5	5.7	6.8	29	260	43	35	14	6.7	7.7	9.8	20	11
6	5.1	5.9	35	85	44	25	12	5.4	6.3	4.7	14	9.9
7	4.2	5.4	22	48	19	19	12	4.6	4.9	4.4	11	8.9
8	3.1	5.0	17	e26	e12	15	11	4.1	4.0	2.3	9.1	7.6
9	2.5	4.8	15	e22	e11	14	9.9	3.7	3.3	50	6.6	6.9
10	2.3	4.5	29	e19	e10	12	8.9	3.1	3.2	28	3.9	5.1
11	1.5	4.8	30	e17	e9.5	11	8.8	3.0	9.9	33	1.2	4.1
12	0.86	5.5	20	e15	e8.9	10	8.2	2.8	11	26	0.01	3.3
13	0.83	4.9	16	e14	e8.4	9.3	7.8	3.4	9.0	11	0.00	2.0
14	101	4.8	16	e13	e8.0	10	7.8	9.9	18	8.3	0.00	0.54
15	46	5.7	14	e12	e7.8	9.8	7.7	15	9.3	4.4	0.00	0.00
16	19	5.7	17	e12	e7.4	15	7.2	9.5	159	2.5	0.00	0.08
17	12	5.3	19	e12	e7.2	15	6.6	7.1	80	2.3	0.00	0.07
18	9.3	20	16	48	e7.0	14	5.6	11	27	1.9	0.00	0.00
19	7.5	57	15	28	e6.8	13	5.1	70	16	1.2	0.00	0.00
20	6.4	27	13	34	24	12	7.0	27	10	0.61	41	0.00
21	5.4	16	12	e14	30	11	7.6	13	7.2	3.5	31	0.00
22	5.3	12	12	e10	19	10	13	9.1	8.7	502	16	0.00
23	4.9	10	114	e9.1	e14	9.3	21	7.0	5.9	69	12	0.00
24	4.4	99	69	e8.4	e12	8.8	11	12	4.2	33	19	0.00
25	8.1	39	35	e7.8	e10	8.4	11	20	5.9	24	32	0.00
26	23	23	26	e7.4	e9.4	53	8.3	14	3.5	20	116	0.00
27	13	55	21	e7.1	e8.6	94	7.0	11	2.4	16	31	0.00
28	9.9	99	18	e6.8	e8.2	32	6.1	10	1.6	14	31	0.00
29	9.3	49	30	e6.6	e8.0	23	5.0	7.1	1.1	13	38	0.00
30	7.1	29	48	e6.4	---	22	4.8	60	0.83	13	20	0.00
31	5.6	---	28	e6.3	---	73	---	216	---	15	16	---
TOTAL	349.19	648.2	800	1,500.9	480.4	669.6	351.4	607.2	499.83	953.31	527.81	109.49
MEAN	11.3	21.6	25.8	48.4	16.6	21.6	11.7	19.6	16.7	30.8	17.0	3.65
MAX	101	99	114	559	50	94	52	216	159	502	116	14
MIN	0.83	4.5	12	6.3	6.2	8.4	4.8	2.8	0.83	0.21	0.00	0.00
CFSM	0.66	1.27	1.52	2.85	0.97	1.27	0.69	1.15	0.98	1.81	1.00	0.21
IN.	0.76	1.42	1.75	3.28	1.05	1.47	0.77	1.33	1.09	2.09	1.15	0.24

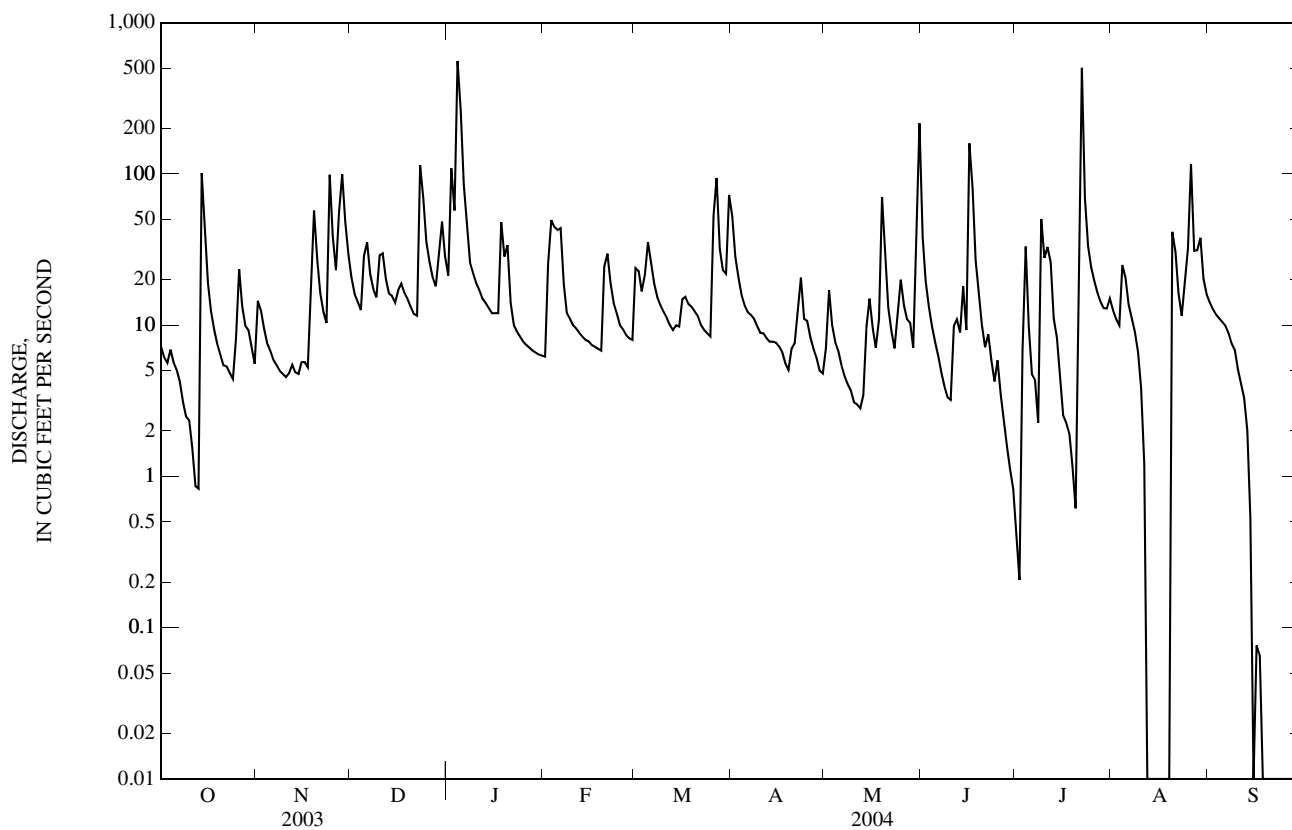
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2004, BY WATER YEAR (WY)

	MEAN	MAX	MIN	(WY)
1990	10.7	45.5	0.06	(2000)
1991	22.6	91.9	0.00	(2000)
1992	20.7	99.4	1.02	(1998)
1993	25.4	62.7	1.42	(2000)
1994	22.7	54.5	6.39	(1998)
1995	29.0	68.0	5.82	(2001)
1996	32.2	63.7	5.39	(2001)
1997	33.7	105	4.60	(2001)
1998	25.1	77.3	4.99	(1991)
1999	17.5	85.7	2.67	(1991)
2000	6.72	18.3	0.43	(2002)
2001	9.54	38.5	0.00	(1999)

03353637 LITTLE BUCK CREEK NEAR INDIANAPOLIS, IN—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1990 - 2004	
ANNUAL TOTAL	7,181.15		7,497.33		21.3	
ANNUAL MEAN	19.7		20.5		32.3	
HIGHEST ANNUAL MEAN					10.4	
LOWEST ANNUAL MEAN					2000	
HIGHEST DAILY MEAN	595	Sep 1	559	Jan 4	1,390	Dec 30, 1990
LOWEST DAILY MEAN	0.00	Jul 4	0.00	Aug 13	0.00	Sep 8, 1991
ANNUAL SEVEN-DAY MINIMUM	0.10	Aug 20	0.00	Aug 13	0.00	Sep 8, 1991
MAXIMUM PEAK FLOW			1,250	Jul 22	2,300	Dec 30, 1990
MAXIMUM PEAK STAGE			8.35	Jul 22	11.21	Nov 14, 1993
ANNUAL RUNOFF (CFSM)	1.16		1.20		1.25	
ANNUAL RUNOFF (INCHES)	15.71		16.41		17.03	
10 PERCENT EXCEEDS	36		38		44	
50 PERCENT EXCEEDS	12		10		8.0	
90 PERCENT EXCEEDS	2.5		1.8		0.00	

e Estimated



03353637 LITTLE BUCK CREEK NR INDIANAPOLIS, IN—Continued

[(National Water-Quality Assessment Program), White River Basin, Miami River Basin Study Unit]

WATER-QUALITY RECORDS

The data described in the following table were collected and analyzed as part of the National Water Quality Assessment Program (NAWQA) in the White River Basin, Miami River Basin (WHMI) study units. The objectives of the NAWQA program are to broadly characterize the water-quality of the Nation's streams and aquifers in relation to human and natural factors. This project is one of 42 river basin and aquifer assessment projects being implemented across the nation on a staggered timeline. During the second decade of sampling, 14 of these projects will be actively collecting data. The period of high-intensity data collection for the WHMI project is in water years 2001-2004.

Water quality data from four stream sites in Indiana and two stream sites in Ohio are being reported as part of the NAWQA study: Big Walnut Creek nr Roachdale, IN (03357330), Little Buck Creek nr Indianapolis, IN (03353637), Sugar Creek at Co. Rd. 400S at New Palestine, IN (394340085524601), White River at Hazleton, IN (03374100), Holes Creek at Huffman Park at Kettering, OH (393944084120700), Mad River at St. Paris Pike near Eagle City, OH (03267900). Additionally, continuous monitor data, water temperature, dissolved oxygen, specific conductance, and pH were collected for all sites except Sugar Creek at Co. Rd. 400S at New Palestine, IN (394340085524601), which were instead collected at Sugar Creek at New Palestine, IN (03361650).

These data can also be obtained electronically at <http://in.water.usgs.gov> or at <http://oh.water.usgs.gov>.

(- - -, no data; <, concentration or value reported is less than that indicated; E, estimated value;
K, value is estimated from a non-ideal colony count; M, presence verified, not quantified).

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEDIAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.1	7.9	8.1	8.3	8.0	8.2	8.2	8.0	7.4	7.4	---	7.7
2	8.0	7.8	8.1	8.1	8.0	8.3	8.1	8.0	7.4	7.4	---	7.7
3	8.1	7.9	8.1	8.1	8.0	8.3	8.1	8.2	7.5	7.5	---	7.7
4	8.0	7.9	8.1	8.0	8.1	8.2	8.1	e8.1	7.9	7.8	7.7	7.8
5	8.0	7.9	8.0	7.8	8.1	8.2	8.1	e8.1	7.8	7.9	7.6	7.9
6	8.0	8.0	8.1	8.0	8.0	8.2	8.2	8.0	7.9	8.0	7.6	7.9
7	8.1	8.1	8.0	8.0	8.1	8.1	8.2	8.0	7.9	8.0	7.6	7.9
8	8.0	8.2	8.2	7.9	8.2	8.1	8.2	8.0	8.0	8.0	7.6	8.3
9	8.0	8.2	8.2	7.8	8.2	8.1	8.3	7.9	8.0	8.0	7.6	8.2
10	8.0	8.2	8.1	7.8	8.2	8.1	8.3	7.9	8.0	7.6	7.6	8.2
11	8.0	8.1	8.2	7.8	8.2	8.1	8.3	e8.0	7.9	7.7	7.7	8.2
12	7.9	8.1	8.2	7.8	8.2	8.1	8.4	8.0	7.9	7.8	8.0	8.2
13	7.9	8.2	8.2	7.8	8.2	8.0	8.4	8.0	7.9	7.8	8.4	8.1
14	7.6	8.2	8.2	7.8	8.2	8.0	8.3	7.9	7.9	7.8	8.4	---
15	7.8	8.2	8.2	8.2	8.2	8.0	8.3	8.0	7.9	7.9	8.3	---
16	7.8	8.2	8.1	8.2	8.1	8.2	8.2	8.0	7.6	8.0	8.2	---
17	7.8	8.3	8.1	8.2	8.1	8.3	8.2	8.0	7.6	8.0	8.2	---
18	7.8	8.1	8.1	8.2	8.1	---	8.1	7.9	7.8	8.0	8.1	---
19	7.9	8.0	8.1	8.2	8.1	---	8.2	7.7	8.0	8.1	8.0	---
20	7.9	8.2	8.1	8.2	8.1	---	8.1	7.8	8.0	8.2	8.0	---
21	7.9	8.2	8.1	8.2	8.1	---	8.0	7.8	8.0	8.1	7.7	---
22	7.8	8.2	8.1	8.3	8.2	---	8.0	7.8	8.0	7.8	7.7	---
23	7.9	8.2	8.2	8.2	8.1	---	8.1	7.8	8.0	7.5	7.8	---
24	7.9	8.0	8.3	8.2	8.3	---	8.2	7.8	8.1	7.5	7.8	---
25	7.8	8.3	8.4	8.2	8.4	---	8.2	7.7	8.0	7.6	8.0	---
26	7.6	8.3	8.4	8.1	8.4	8.0	8.2	7.8	7.7	7.6	7.7	---
27	7.8	8.2	8.4	8.1	8.4	8.0	8.2	7.8	7.6	8.0	7.6	---
28	7.8	8.2	8.4	8.1	8.4	8.1	8.2	7.9	7.6	7.8	7.7	---
29	7.8	8.3	8.4	8.1	8.3	8.1	8.2	7.9	7.6	---	7.7	---
30	8.0	8.2	8.4	8.1	---	8.1	8.1	7.7	7.5	---	7.7	---
31	8.0	---	8.2	8.0	---	7.9	---	7.6	---	---	7.7	---

e Estimated

WABASH RIVER BASIN

03353637 LITTLE BUCK CREEK NR INDIANAPOLIS, IN—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.4	8.8	---	---	15.2	12.3	10.1	8.3	---	---	---	---
2	11.9	8.7	---	---	15.1	13.0	10.9	9.7	---	---	---	e7.7
3	12.3	8.9	---	---	15.1	---	11.0	10.7	---	---	---	7.6
4	11.7	9.1	---	---	15.7	---	11.6	e10.2	7.9	e8.7	---	7.7
5	11.5	8.7	---	---	15.5	10.7	12.0	e9.8	7.8	9.2	---	7.6
6	11.0	10.6	---	---	15.1	11.3	12.0	9.3	7.8	9.2	---	7.2
7	11.0	12.1	---	---	15.5	12.1	11.2	8.7	8.1	8.9	---	7.5
8	10.8	13.2	---	---	15.8	12.7	10.4	8.5	8.5	9.1	---	8.2
9	10.7	12.7	11.5	---	15.4	12.8	10.9	7.6	8.4	8.8	---	8.4
10	10.2	12.8	10.8	---	15.2	13.2	11.1	7.8	8.6	7.4	---	8.1
11	9.5	10.1	12.6	---	15.4	12.5	11.0	e7.8	7.9	7.4	---	8.2
12	7.9	11.0	14.4	---	15.1	13.8	12.0	7.7	7.7	7.6	---	7.8
13	8.5	13.0	14.8	---	15.7	13.8	12.9	6.4	8.3	7.8	---	7.3
14	7.3	15.0	14.7	---	15.8	12.7	13.2	6.4	8.0	8.5	---	---
15	8.8	13.0	14.6	---	15.8	13.1	11.9	7.4	8.3	9.0	---	---
16	10.1	13.0	13.7	13.8	16.3	12.8	10.7	8.3	e7.8	9.5	---	---
17	10.3	12.2	14.9	13.7	16.3	13.5	9.7	8.2	---	9.5	---	---
18	10.8	8.3	15.4	13.8	15.9	---	8.9	7.3	---	10.1	---	---
19	10.5	8.5	15.5	15.0	15.3	---	8.8	7.1	---	10.1	---	---
20	9.9	10.0	16.6	14.8	13.7	---	8.4	7.3	---	9.1	---	---
21	9.3	10.3	16.2	14.8	14.5	---	7.9	7.0	---	7.7	---	---
22	9.4	10.0	13.9	14.9	15.3	---	8.6	6.9	---	---	---	---
23	10.7	9.3	12.5	15.0	14.7	---	9.3	7.0	---	---	---	---
24	11.2	8.0	13.4	14.9	14.7	---	8.8	7.1	---	---	---	---
25	9.9	10.2	13.9	15.2	15.4	---	e10.0	7.3	---	---	---	---
26	9.0	e10.4	---	14.7	15.5	9.1	10.4	7.6	---	---	---	---
27	10.5	---	---	14.9	15.2	9.9	11.0	7.7	---	---	---	---
28	9.5	---	---	15.2	15.1	9.9	11.1	7.7	---	---	---	---
29	11.1	---	---	15.3	14.7	10.2	10.2	8.1	---	---	---	---
30	10.8	---	---	15.3	---	10.8	9.2	---	---	---	---	---
31	9.5	---	---	15.2	---	10.2	---	---	---	---	---	---

e Estimated

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.6	14.9	5.7	5.0	---	8.8	9.9	16.4	20.2	22.9	---	20.8
2	10.4	15.6	4.5	7.8	---	9.0	10.2	13.5	19.5	23.8	---	21.0
3	9.8	15.7	4.9	9.8	---	8.1	10.9	12.9	18.8	24.4	---	21.7
4	11.9	15.4	5.0	6.7	---	8.9	9.8	---	19.1	23.8	23.4	22.2
5	13.0	14.1	5.5	5.6	---	11.9	9.7	---	19.6	24.1	22.2	22.7
6	13.1	10.7	5.1	2.6	0.5	10.3	10.9	18.3	20.4	24.5	20.5	22.9
7	13.4	7.9	5.4	1.5	.8	8.5	13.7	19.3	21.7	23.3	19.7	22.0
8	15.0	5.9	5.7	2.7	---	6.9	15.1	19.2	23.6	21.7	20.3	19.5
9	15.2	4.9	7.8	3.1	1.9	6.4	13.7	20.9	23.9	22.8	21.2	19.6
10	16.7	6.6	8.8	1.5	2.2	6.1	13.9	21.2	22.8	23.5	22.0	19.6
11	17.3	10.7	5.7	2.6	1.9	7.5	12.8	---	22.8	24.3	20.3	19.8
12	16.9	12.5	2.7	4.1	2.8	4.6	9.7	22.4	22.3	24.6	---	20.3
13	14.3	6.8	2.0	3.7	1.8	5.1	7.7	21.2	22.7	24.9	---	21.4
14	14.5	5.3	2.6	3.2	1.7	7.0	9.7	20.2	24.1	23.2	---	---
15	13.8	6.6	3.0	2.9	1.8	7.1	13.1	16.9	24.3	22.6	---	---
16	13.6	8.4	4.0	2.8	---	5.8	16.1	17.3	23.1	23.0	---	---
17	13.2	8.9	2.5	3.0	1.7	4.8	18.6	19.0	24.5	22.7	---	---
18	11.7	12.0	2.3	2.8	2.5	---	19.8	20.4	24.1	21.6	---	---
19	12.6	12.3	2.3	---	4.2	---	18.7	20.6	22.6	22.2	---	---
20	13.9	10.2	1.0	---	5.1	---	16.5	21.3	20.4	23.5	---	---
21	14.9	10.4	1.6	1.3	3.7	---	16.8	22.7	20.8	24.2	---	---
22	12.8	11.4	4.5	---	4.5	---	14.7	23.3	20.8	24.2	20.7	---
23	11.8	13.0	5.8	---	6.0	---	14.5	22.5	20.4	24.5	21.2	---
24	10.6	9.2	3.8	---	5.6	---	15.0	21.7	21.2	21.7	22.0	---
25	11.6	6.4	2.9	---	4.5	---	16.3	21.3	19.8	19.3	22.7	---
26	11.9	7.0	2.7	---	4.6	13.0	15.4	20.4	19.4	18.5	22.7	---
27	9.6	8.5	3.4	---	5.1	13.1	13.7	20.3	20.3	18.8	23.6	---
28	9.4	7.5	5.4	---	5.7	14.9	14.0	20.9	20.9	19.6	23.7	---
29	9.4	5.5	7.1	---	7.1	14.0	16.6	19.8	20.9	---	22.3	---
30	10.9	5.9	5.0	---	---	12.1	17.8	19.8	21.6	---	21.1	---
31	14.8	---	4.7	---	---	10.4	---	21.0	---	---	20.5	---

03353637 LITTLE BUCK CREEK NR INDIANAPOLIS, IN—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	692	789	795	1,040	864	766	877	639	990	---	737
2	---	663	824	556	---	913	819	672	726	993	---	760
3	---	738	853	673	---	907	855	812	784	859	---	782
4	---	763	872	458	---	884	875	e860	824	337	517	808
5	---	802	889	451	e1,220	903	886	e882	873	458	452	835
6	---	827	775	581	---	891	896	894	900	529	530	856
7	842	844	779	641	---	903	905	907	904	636	588	878
8	864	856	816	692	e1,220	921	904	920	887	711	630	899
9	882	873	850	732	1,130	930	896	939	895	626	661	916
10	890	883	728	761	1,200	935	908	956	904	466	683	933
11	899	894	733	794	1,160	936	921	e962	748	499	e696	931
12	912	884	773	832	1,050	946	934	966	662	467	---	934
13	924	886	815	872	1,010	953	949	977	687	630	---	934
14	547	900	---	871	980	969	946	844	578	672	---	---
15	479	903	e1,130	875	967	965	915	664	684	721	---	---
16	574	892	978	885	954	---	897	779	508	775	---	---
17	640	897	921	---	952	---	890	861	534	810	---	---
18	690	786	e950	e822	951	---	891	817	653	815	---	---
19	735	548	e1,100	746	925	---	904	517	718	814	---	---
20	768	644	981	777	879	---	901	634	770	837	---	---
21	801	718	940	808	834	---	868	719	820	837	467	---
22	821	765	923	835	835	---	831	767	801	257	563	---
23	838	798	713	875	848	---	695	801	810	384	635	---
24	851	519	708	862	878	---	805	687	867	452	658	---
25	829	621	768	896	889	---	794	571	837	510	418	---
26	546	706	789	---	899	846	814	628	823	551	401	---
27	672	601	814	---	911	680	859	657	877	587	530	---
28	722	559	830	---	920	778	867	721	924	612	578	---
29	750	655	839	---	916	819	871	777	945	---	500	---
30	781	740	711	1,180	---	825	886	582	971	---	627	---
31	811	---	759	1,110	---	730	---	466	---	---	697	---

e Estimated

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfiltered, μ S/cm 25 deg C (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Alkalinity, wat flt fxd end field, mg/L as CaCO ₃ (39036)	Alkalinity, wat flt inc tit field, mg/L as CaCO ₃ (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)
NOV 17...	1040	3.0	754	14.1	8.1	833	8.0	13.5	290	286	348	<1	95.4
DEC 08...	1140	17.0	751	13.0	8.3	801	5.0	5.4	270	267	324	1	77.5
JAN 15...	1110	19.0	757	14.0	8.2	889	0.0	2.5	300	300	363	1	82.6
FEB 24...	1040	22.0	752	13.7	8.3	884	3.0	5.7	260	256	310	1	109.0
MAR 16...	1130	22.0	746	13.7	8.3	1,880	3.0	5.0	250	246	E298	E1	427.0
APR 13...	1030	12.0	743	13.3	8.3	922	5.0	7.9	290	288	349	1	107.0
MAY 11...	1020	2.9	739	10.8	8.0	963	28.0	20.7	290	294	356	2	116.0
JUN 07...	1100	3.3	738	8.6	8.3	879	29.0	21.2	260	251	291	4	97.1
JUL 19...	0940	0.5	735	12.1	8.1	828	25.0	20.6	260	258	308	3	94.0
SEP 07...	1450	6.8	735	9.6	8.2	879	26.0	22.6	270	271	E271	E16	93.6

03353637 LITTLE BUCK CREEK NR INDIANAPOLIS, IN—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitro- gen, susp, water, mg/L (49570)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, unfltrd mg/L (00665)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inor- ganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	2,6-Di- ethyl- aniline water fltrd 0.7µm GF µg/L (82660)	CIAT, water, fltrd, µg/L (04040)
NOV 17...	44.7	<0.04	0.08	E0.006	0.16	<0.006	0.022	0.8	<0.1	0.7	3.5	<0.006	<0.006
DEC 08...	41.5	<.04	.73	.020	.06	E.005	.025	.5	<.1	.4	3.4	--	--
JAN 15...	45.9	<.04	1.05	.051	.04	E.004	.028	.4	<.1	.3	2.4	<.006	<.006
FEB 24...	42.1	<.04	.56	.016	.10	<.006	.021	.7	<.1	.7	3.0	--	--
MAR 16...	41.0	<.04	.56	.013	.05	<.006	.021	.4	<.1	.4	3.5	<.006	E.005
APR 13...	46.1	<.04	.46	.014	.07	<.006	.010	.5	<.1	.5	2.7	<.006	E.005
MAY 11...	45.4	<.04	.46	.035	.04	<.006	.025	.5	<.1	.5	3.1	<.006	E.008
JUN 07...	40.7	<.04	.55	.014	.04	.018	.037	.3	<.1	.3	2.6	<.006	E.031
JUL 19...	38.7	<.04	.30	E.007	.05	.007	.022	.3	<.1	.3	3.0	<.006	E.012
SEP 07...	40.8	<.04	.32	.012	.04	.017	.037	.3	<.1	.3	2.4	<.006	E.007

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Aceto- chlor, water, fltrd, µg/L (49260)	Ala- chlor, water, fltrd, µg/L (46342)	alpha- HCH, water, fltrd, µg/L (34253)	Atra- zine, water, fltrd, µg/L (39632)	Azin- phos- methyl, water, fltrd 0.7µm GF µg/L (82686)	Ben- flur- alin, water, fltrd 0.7µm GF µg/L (82673)	Butyl- ate, water, fltrd, µg/L (04028)	Car- baryl, water, fltrd 0.7µm GF µg/L (82680)	Carbo- furan, water, fltrd 0.7µm GF µg/L (82674)	Chlor- pyrifos water, fltrd, µg/L (38933)	cis- Per- methrin water fltrd 0.7µm GF µg/L (82687)	Cyana- zine, water, fltrd, µg/L (04041)	DCPA, water fltrd 0.7µm GF µg/L (82682)
NOV 17...	<0.006	<0.005	<0.005	0.010	<0.050	<0.010	<0.004	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003
DEC 08...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 15...	<.006	<.005	<.005	.008	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003
FEB 24...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 16...	<.006	<.005	<.005	.012	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003
APR 13...	<.006	<.005	<.005	.016	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003
MAY 11...	.009	<.005	<.005	.051	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003
JUN 07...	.019	<.005	<.005	.161	<.050	<.010	<.004	E.021	<.020	<.005	<.006	<.018	<.003
JUL 19...	E.005	<.005	<.005	.058	<.050	E.003	<.004	E.017	<.020	<.005	<.006	<.018	<.003
SEP 07...	<.006	<.005	<.005	.024	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003

03353637 LITTLE BUCK CREEK NR INDIANAPOLIS, IN—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Desulf- inyl fipro- nil, water, fltrd, µg/L (62170)	Diazi- non, water, fltrd, µg/L (39572)	Diel- drin, water, fltrd, µg/L (39381)	Disul- foton, water, fltrd, 0.7µm GF µg/L (82677)	EPTC, water, fltrd, 0.7µm GF µg/L (82668)	Ethal- flur- alin, water, fltrd, 0.7µm GF µg/L (82663)	Etho- prop, water, fltrd, 0.7µm GF µg/L (82672)	Desulf- inyl- fipro- nil amide, wat flt µg/L (62169)	Fipro- nil sulfide water, fltrd, µg/L (62167)	Fipro- nil sulfone water, fltrd, µg/L (62168)	Fipro- nil, water, fltrd, µg/L (62166)	Fonofos water, fltrd, µg/L (04095)	Lindane water, fltrd, µg/L (39341)
NOV 17...	<0.012	0.005	<0.009	<0.02	<0.004	<0.009	<0.005	<0.029	<0.013	<0.024	<0.016	<0.003	<0.004
DEC 08...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 15...	<.012	<.005	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004
FEB 24...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 16...	<.012	<.005	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004
APR 13...	<.012	.007	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004
MAY 11...	E.003	.005	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004
JUN 07...	<.012	.005	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004
JUL 19...	<.012	.006	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004
SEP 07...	<.012	.006	<.009	<.02	<.004	<.009	<.005	<.029	<.013	<.024	<.016	<.003	<.004

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Linuron water fltrd 0.7µm GF µg/L (82666)	Mala- thion, water, fltrd, µg/L (39532)	Methyl para- thion, water, fltrd 0.7µm GF µg/L (82667)	Metola- chlor, water, fltrd, µg/L (39415)	Metri- buzin, water, fltrd, µg/L (82630)	Moli- nate, water, fltrd 0.7µm GF µg/L (82671)	Naprop- amide, water, fltrd 0.7µm GF µg/L (82684)	p,p'- DDE, water, fltrd, µg/L (34653)	Para- thion, water, fltrd, µg/L (39542)	Peb- ulate, water, fltrd 0.7µm GF µg/L (82669)	Pendi- meth- alin, water, fltrd 0.7µm GF µg/L (82683)	Phorate water fltrd 0.7µm GF µg/L (82664)	Prome- ton, water, fltrd, µg/L (04037)
NOV 17...	<0.035	<0.027	<0.015	E0.002	<0.006	<0.003	<0.007	<0.003	<0.010	<0.004	<0.022	<0.011	0.02
DEC 08...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 15...	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	.02
FEB 24...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 16...	<.035	<.027	<.015	E.008	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	.02
APR 13...	<.035	<.027	<.015	E.006	<.006	<.003	<.007	.004	<.010	<.004	E.009	<.011	.03
MAY 11...	<.035	<.027	<.015	E.012	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	.03
JUN 07...	<.035	<.027	<.015	.074	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	.04
JUL 19...	<.035	<.027	<.015	.023	<.006	<.003	<.007	<.005	<.010	<.004	<.022	<.011	.08
SEP 07...	<.035	<.027	<.015	E.011	<.006	<.003	<.007	<.003	<.010	<.004	<.022	<.011	.04

03353637 LITTLE BUCK CREEK NR INDIANAPOLIS, IN—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Propy- zamide, water, fltrd 0.7µm GF µg/L (82676)	Propa- chlor, water, fltrd, µg/L (04024)	Pro- panil, water, fltrd 0.7µm GF µg/L (82679)	Propar- gite, water, fltrd 0.7µm GF µg/L (82685)	Sima- zine, water, fltrd, µg/L (04035)	Tebu- thiuron water fltrd 0.7µm GF µg/L (82670)	Terba- cil, water, fltrd 0.7µm GF µg/L (82665)	Terbu- fos, water, fltrd 0.7µm GF µg/L (82675)	Thio- bencarb water fltrd 0.7µm GF µg/L (82681)	Tri- allate, water, fltrd 0.7µm GF µg/L (82678)	Tri- flur- alin, water, fltrd 0.7µm GF µg/L (82661)	Sus- pended sedi- ment concen- tration mg/L (80154)
NOV 17...	<0.004	<0.025	<0.011	<0.02	E0.005	<0.02	<0.034	<0.02	<0.010	<0.002	<0.009	19
DEC 08...	--	--	--	--	--	--	--	--	--	--	--	13
JAN 15...	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.010	<.002	<.009	78
FEB 24...	--	--	--	--	--	--	--	--	--	--	--	9
MAR 16...	<.004	<.025	<.011	<.02	.007	<.02	<.034	<.02	<.010	<.002	<.009	46
APR 13...	<.004	<.025	<.011	<.02	.009	<.02	<.034	<.02	<.010	<.002	<.009	8
MAY 11...	<.004	<.025	<.011	<.02	.009	<.02	<.034	<.02	<.010	<.002	<.009	26
JUN 07...	<.004	<.025	<.011	<.02	.011	<.02	<.034	<.02	<.010	<.002	<.009	19
JUL 19...	<.010	<.025	<.011	<.02	.008	<.02	<.034	<.02	<.010	<.002	<.009	10
SEP 07...	<.004	<.025	<.011	<.02	.010	<.02	<.100	<.02	<.010	<.002	<.009	49

03353800 WHITE LICK CREEK AT MOORESVILLE, IN

LOCATION.--Lat 39°36'28", long 86°22'56", in NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.35, T.14 N., R.1 E., Morgan County, Hydrologic Unit 05120201, (MOORESVILLE WEST, IN quadrangle), on right bank at downstream side of bridge on State Highway 42 at Mooresville, 0.9 mi downstream from McCracken Creek, 2.0 mi upstream from East Fork White Lick Creek, and at mile 11.4.

DRAINAGE AREA.--212 mi².

PERIOD OF RECORD.--August 1957 to current year.

GAGE.--Water-stage recorder. Datum of gage is 644.64 ft above National Geodetic Vertical Datum of 1929. Dec. 10, 1963 to Sept. 30, 1964, nonrecording gage at bridge 1,950 ft upstream at datum 1.39 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Pumpage from a well field above gage affects low flows.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 28, 1957, reached a stage of 22.5 ft, from levels to high-water mark by State of Indiana, Department of Natural Resources.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	182	117	295	293	e126	253	701	75	604	86	66	43
2	154	169	252	487	e124	468	380	95	330	82	59	37
3	139	243	231	502	e123	333	272	104	244	80	53	33
4	140	188	219	4,010	e120	280	217	94	198	152	57	31
5	125	159	261	4,800	e117	626	181	87	174	145	103	30
6	112	139	323	1,080	e113	551	159	81	158	105	104	29
7	104	128	279	551	e112	351	148	75	143	95	90	27
8	101	117	253	408	e110	268	141	72	131	87	79	26
9	96	108	237	342	e108	226	132	68	120	109	68	25
10	94	103	318	290	e106	199	121	62	121	524	60	24
11	92	103	571	264	e103	182	114	58	247	269	51	24
12	87	125	378	262	e100	170	109	56	429	603	45	23
13	82	140	290	242	e98	156	106	56	437	341	40	22
14	347	121	261	226	e96	152	103	75	367	255	36	21
15	542	111	240	223	e94	152	98	185	259	188	33	21
16	306	110	236	211	e93	151	92	119	2,660	138	31	20
17	219	107	273	216	e92	164	90	94	1,410	113	29	20
18	188	122	247	367	e90	162	87	96	539	101	27	19
19	168	643	228	286	209	159	83	268	384	94	25	19
20	151	478	206	228	447	152	83	343	297	88	25	18
21	136	317	190	e200	516	151	97	271	231	84	39	18
22	126	257	190	e180	321	143	95	186	196	1,390	44	18
23	114	231	2,820	e166	273	135	140	138	165	439	41	17
24	107	824	2,110	e157	273	132	122	125	141	257	36	17
25	107	613	758	e152	252	131	108	152	130	137	47	17
26	155	387	456	e147	218	193	112	196	117	104	63	17
27	142	367	353	e142	197	1,430	98	176	107	85	76	16
28	126	475	305	e138	182	589	89	150	101	70	72	16
29	124	495	302	e134	174	350	81	132	96	59	66	17
30	118	359	469	e131	---	267	76	145	91	51	58	17
31	108	---	368	e128	---	720	---	3,330	---	62	49	---
TOTAL	4,792	7,856	13,919	16,963	4,987	9,396	4,435	7,164	10,627	6,393	1,672	682
MEAN	155	262	449	547	172	303	148	231	354	206	53.9	22.7
MAX	542	824	2,820	4,800	516	1,430	701	3,330	2,660	1,390	104	43
MIN	82	103	190	128	90	131	76	56	91	51	25	16
CFSM	0.73	1.24	2.12	2.58	0.81	1.43	0.70	1.09	1.67	0.97	0.25	0.11
IN.	0.84	1.38	2.44	2.98	0.88	1.65	0.78	1.26	1.86	1.12	0.29	0.12

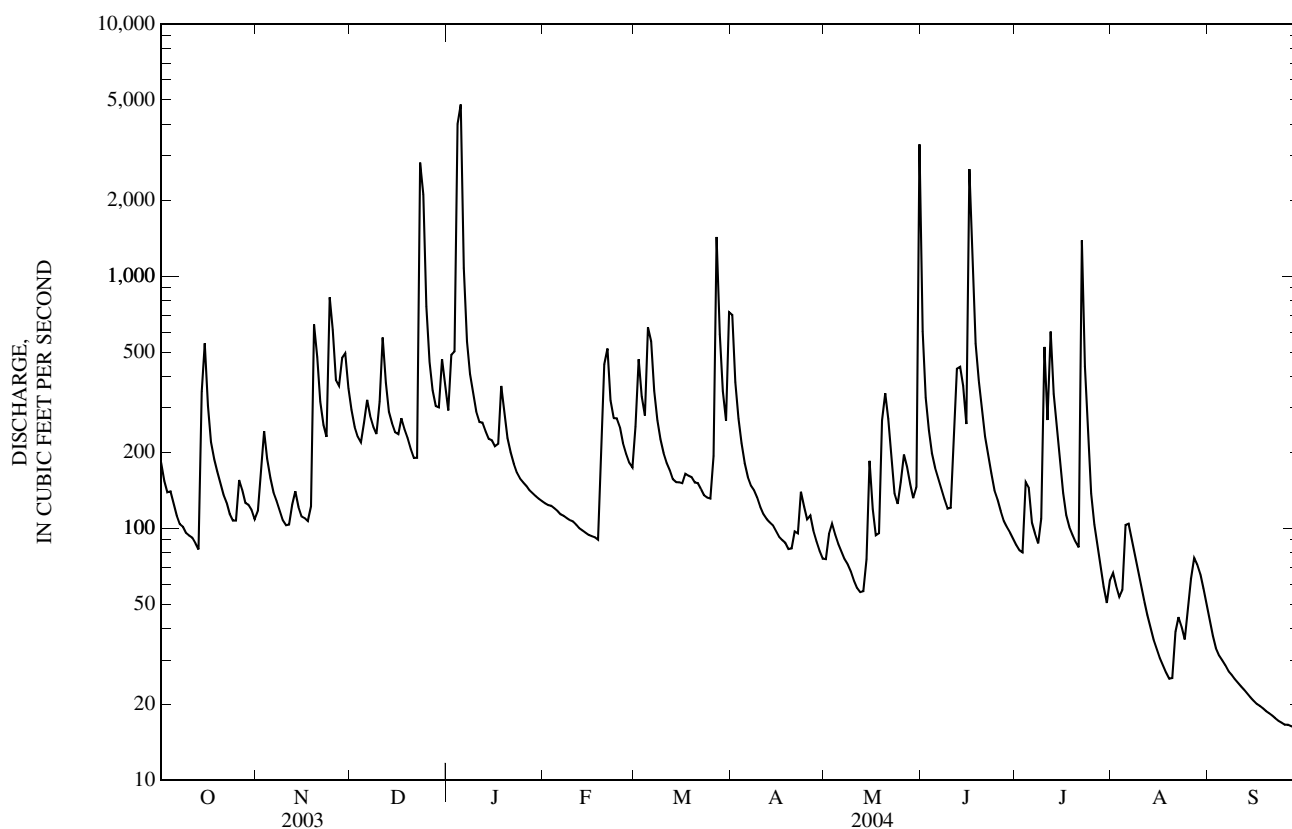
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2004, BY WATER YEAR (WY)

	80.4	193	265	263	320	416	366	304	181	149	76.9	73.3
MEAN	80.4	193	265	263	320	416	366	304	181	149	76.9	73.3
MAX	592	1,193	975	845	942	1,154	1,328	1,062	936	764	567	905
(WY)	(2002)	(1994)	(1991)	(1969)	(1971)	(1963)	(1964)	(1996)	(1998)	(1979)	(1979)	(2003)
MIN	5.47	9.86	8.83	9.60	35.7	86.8	83.1	46.3	12.9	11.7	5.10	3.51
(WY)	(1998)	(1968)	(1964)	(1977)	(1964)	(2000)	(1971)	(1976)	(1988)	(1966)	(1966)	(1991)

03353800 WHITE LICK CREEK AT MOORESVILLE, IN—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1957 - 2004	
ANNUAL TOTAL	117,707		88,886		224	
ANNUAL MEAN	322		243		372	
HIGHEST ANNUAL MEAN					51.1	
LOWEST ANNUAL MEAN					1974	
HIGHEST DAILY MEAN	13,200	Sep 2	4,800	Jan 5	13,200	Sep 2, 2003
LOWEST DAILY MEAN	25	Aug 25	16	Sep 27	0.68	Aug 27, 1988
ANNUAL SEVEN-DAY MINIMUM	27	Aug 22	17	Sep 23	1.8	Sep 24, 1988
MAXIMUM PEAK FLOW			9,360	Jan 4	19,900	Sep 2, 2003
MAXIMUM PEAK STAGE			19.56	Jan 4	23.31	Jul 13, 1979
ANNUAL RUNOFF (CFSM)	1.52		1.15		1.06	
ANNUAL RUNOFF (INCHES)	20.65		15.60		14.37	
10 PERCENT EXCEEDS	570		441		471	
50 PERCENT EXCEEDS	155		138		91	
90 PERCENT EXCEEDS	59		37		13	

e Estimated



03354000 WHITE RIVER NEAR CENTERTON, IN

(Former National stream-quality accounting network station)

LOCATION.--Lat 39°29'51", long 86°24'02", in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.10, T.12 N., R.1 E., Morgan County, Hydrologic Unit 05120201, (MOORESVILLE WEST, IN quadrangle), on right bank at upstream side of bridge on Blue Bluff Road, 0.8 mi downstream from White Lick Creek, 1 mi south of Centerton, and at mile 199.3.

DRAINAGE AREA.--2,444 mi².

PERIOD OF RECORD.--July 1925 to September 1930 (gage heights only), October 1930 to March 1932, October 1946 to current year. Monthly discharge only for October and November 1946, published in WSP 1305. Published as West Fork White River at Martinsville prior to March 1932, and as West Fork White River near Centerton October 1946 to September 1948.

REVISED RECORDS.--WSP 1335: 1948-49. WSP 1909: 1931(M). WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 595.44 ft above National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark), levels by Indianapolis Power and Light Co. See WSP 1725 for history of changes prior to July 1953. July 1953 to Aug. 7, 1975, water-stage recorder at site 0.4 mi downstream at same datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of 22.8 ft at Martinsville site (from information by Indiana State Highway Commission) and 21.9 ft at site 0.4 mi downstream (from information by Corps of Engineers), discharge, 90,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,870	1,670	5,350	5,520	1,590	2,610	8,780	1,350	10,000	1,470	1,250	912
2	3,750	1,910	4,310	6,480	1,740	3,930	6,640	1,660	8,500	1,360	1,090	820
3	2,890	2,180	3,380	6,100	2,060	4,850	4,730	1,760	5,250	1,300	1,000	756
4	2,570	2,060	2,930	13,900	2,040	4,400	3,860	1,570	3,710	2,040	1,350	916
5	2,410	1,920	2,990	27,800	1,970	5,660	3,180	1,610	2,860	2,110	1,890	920
6	2,220	1,800	3,490	23,500	2,350	7,980	2,770	1,480	2,400	1,750	1,220	786
7	2,070	1,720	3,650	21,900	2,400	7,380	2,540	1,360	2,080	1,520	997	753
8	1,880	1,620	3,800	16,900	2,270	4,900	2,410	1,290	1,830	1,370	883	763
9	1,710	1,540	3,290	7,490	2,240	3,720	2,280	1,190	1,660	1,490	816	744
10	1,630	1,440	3,500	5,480	2,010	3,160	2,130	1,110	1,520	3,050	801	707
11	1,570	1,380	4,300	4,540	1,930	2,760	2,010	1,110	2,430	2,140	759	696
12	1,500	1,520	4,550	4,030	1,960	2,510	1,900	1,070	9,150	2,750	731	691
13	1,510	1,750	4,080	3,830	1,940	2,320	1,850	1,030	14,800	2,150	720	678
14	3,500	2,510	3,310	3,380	1,880	2,190	1,720	1,130	17,700	1,830	740	678
15	4,560	2,260	3,000	3,140	1,900	2,080	1,600	2,410	11,800	1,430	727	668
16	3,950	1,990	2,800	2,950	1,790	2,120	1,520	1,890	16,400	1,230	720	662
17	4,300	1,840	2,920	2,820	1,760	2,180	1,460	1,610	20,500	1,110	715	686
18	3,290	1,850	2,790	3,830	1,700	2,080	1,430	1,450	15,000	1,110	697	658
19	2,660	3,880	2,820	3,490	1,900	2,080	1,380	3,070	10,800	1,030	696	634
20	2,250	5,240	2,540	3,030	2,700	2,070	1,360	3,400	7,100	961	806	617
21	1,980	5,540	2,310	2,700	5,090	2,180	1,580	3,050	4,950	906	1,750	616
22	1,840	4,140	2,180	2,480	6,360	2,350	1,620	2,320	4,100	5,320	1,180	609
23	1,730	3,260	6,970	2,220	4,570	2,310	2,360	1,940	3,490	3,110	1,040	607
24	1,630	5,290	14,000	2,090	3,640	2,100	2,020	2,010	2,980	1,840	958	597
25	1,570	6,250	13,700	2,040	3,380	1,970	2,020	2,220	2,560	1,410	1,840	594
26	2,100	5,900	10,800	1,990	3,050	2,170	2,010	2,340	2,250	1,250	2,050	580
27	2,050	5,220	6,560	2,040	2,710	6,790	1,730	2,090	2,010	1,090	1,690	577
28	1,810	5,800	5,080	1,960	2,460	6,800	1,560	2,070	1,830	1,010	1,180	581
29	1,800	6,380	4,630	1,820	2,300	6,090	1,410	4,360	1,710	944	1,110	581
30	1,720	6,800	6,070	1,710	---	4,850	1,340	5,990	1,580	916	963	588
31	1,630	---	6,190	1,570	---	6,570	---	13,900	---	1,150	913	---
TOTAL	74,950	96,660	148,290	192,730	73,690	115,160	73,200	74,840	192,950	52,147	33,282	20,675
MEAN	2,418	3,222	4,784	6,217	2,541	3,715	2,440	2,414	6,432	1,682	1,074	689
MAX	4,870	6,800	14,000	27,800	6,360	7,980	8,780	13,900	20,500	5,320	2,050	920
MIN	1,500	1,380	2,180	1,570	1,590	1,970	1,340	1,030	1,520	906	696	577
CFSM	0.99	1.32	1.96	2.54	1.04	1.52	1.00	0.99	2.63	0.69	0.44	0.28
IN.	1.14	1.47	2.26	2.93	1.12	1.75	1.11	1.14	2.94	0.79	0.51	0.31

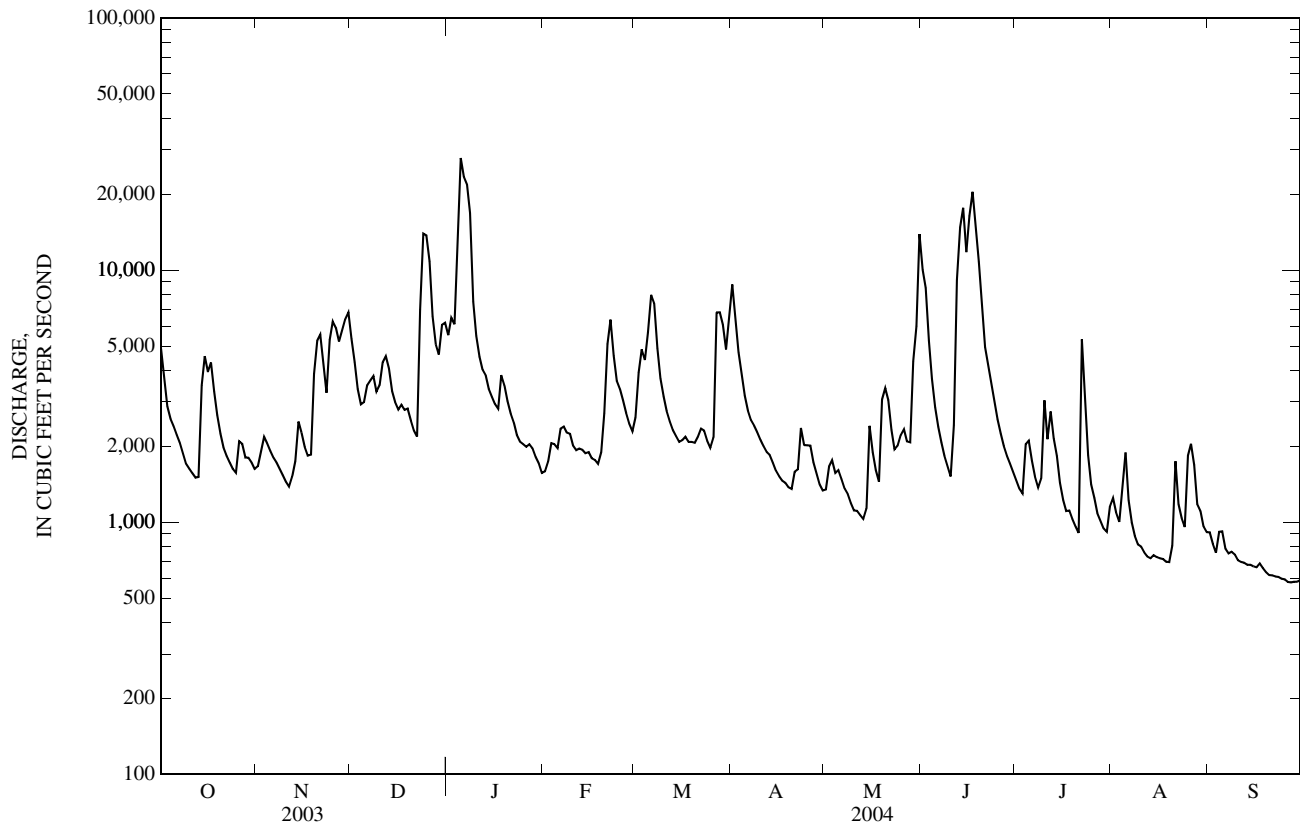
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2004, BY WATER YEAR (WY)

MEAN	968	1,839	2,588	3,273	3,710	4,519	4,272	3,230	2,553	1,941	1,120	1,041
MAX	6,725	11,760	8,248	17,760	10,430	10,390	11,530	11,280	10,310	9,354	6,001	9,121
(WY)	(2002)	(1994)	(1958)	(1950)	(1950)	(1963)	(1964)	(1996)	(1998)	(2003)	(1979)	(2003)
MIN	281	320	305	302	460	1,083	1,097	799	419	344	338	213
(WY)	(1964)	(1954)	(1964)	(1977)	(1964)	(2000)	(1971)	(1976)	(1988)	(1954)	(1966)	(1954)

WABASH RIVER BASIN

03354000 WHITE RIVER NEAR CENTERTON, IN—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1948 - 2004	
ANNUAL TOTAL	1,549,556		1,148,574		2,581	
ANNUAL MEAN	4,245		3,138		4,115	
HIGHEST ANNUAL MEAN					812	
LOWEST ANNUAL MEAN					1950	
HIGHEST DAILY MEAN	49,900	Sep 2	27,800	Jan 5	49,900	Sep 2, 2003
LOWEST DAILY MEAN	800	Jul 4	577	Sep 27	138	Sep 27, 1954
ANNUAL SEVEN-DAY MINIMUM	891	Jun 28	585	Sep 24	157	Sep 27, 1954
MAXIMUM PEAK FLOW			30,800	Jan 5	65,700	Sep 2, 2003
MAXIMUM PEAK STAGE			16.08	Jan 5	20.04	Sep 2, 2003
ANNUAL RUNOFF (CFSM)	1.74		1.28		1.06	
ANNUAL RUNOFF (INCHES)	23.59		17.48		14.35	
10 PERCENT EXCEEDS	7,510		6,130		5,760	
50 PERCENT EXCEEDS	2,270		2,060		1,380	
90 PERCENT EXCEEDS	1,150		804		412	



WATER-QUALITY RECORDS

WATER TEMPERATURE: Maximum, 26.2°C, Sept. 13; minimum, 18.4°C, Sept. 31.

[illegible]

WABASH RIVER BASIN

03354000 WHITE RIVER NEAR CENTERTON, IN—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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10	---	---	---	---	---	---	---	---	25.4	21.6	23.4	---
11	---	---	---	---	---	---	---	---	25.2	22.0	23.6	---
12	---	---	---	---	---	---	---	---	25.6	22.5	24.0	---
13	---	---	---	---	---	---	---	---	26.2	22.9	24.5	---
14	---	---	---	---	---	---	---	---	26.0	23.7	24.8	---
15	---	---	---	---	---	---	---	---	26.0	23.3	24.7	---
16	---	---	---	---	---	---	---	---	25.3	24.1	24.7	---
17	---	---	---	---	---	---	---	---	25.0	22.7	23.8	---
18	---	---	---	---	---	---	---	---	24.1	21.1	22.5	---
19	---	---	---	---	---	---	---	---	23.8	20.5	22.1	---
20	---	---	---	---	---	---	---	---	23.7	20.1	21.8	---
21	---	---	---	---	---	---	---	---	23.8	20.0	21.8	---
22	---	---	---	---	---	---	---	---	24.3	20.7	22.4	---
23	---	---	---	---	---	---	---	---	24.5	21.4	22.9	---
24	---	---	---	---	---	---	---	---	23.6	22.3	23.0	---
25	---	---	---	---	---	---	---	---	24.6	22.3	23.2	---
26	---	---	---	---	---	---	---	---	23.2	20.8	22.0	---
27	---	---	---	---	---	---	---	---	23.1	20.0	21.5	---
28	---	---	---	---	---	---	---	---	22.5	20.2	21.2	---
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30	---	---	---	---	---	---	---	---	21.6	18.4	19.8	---
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