

03348000 WHITE RIVER AT ANDERSON, IN

LOCATION.--Lat 40°06'20", long 85°40'16", in NW¹/₄NW¹/₄ sec.17, T.19 N., R.8 E., Madison County, Hydrologic Unit 05120201, (ANDERSON SOUTH, IN quadrangle), on downstream side of abandoned Twelfth Street bridge abutment, 250 ft upstream from municipal water-supply plant in Anderson, 1 mi upstream from Killbuck Creek, and at mile 293.3

DRAINAGE AREA.--406 mi².

PERIOD OF RECORD.--July 1925 to September 1926, October 1931 to December 1993. Sept. 18, 2000 to current year (stage only). Monthly discharge only for some periods, published in WSP 1305. Gage-height records collected at site 950 ft downstream December 1910 to February 1918, 250 ft downstream from February 1918 to Sept. 14, 1973, and at present site since Sept. 15, 1973, are contained in reports of National Weather Service. Prior to October 1948, published as West Fork White River at Anderson.

REVISED RECORDS.--WSP 1335: 1932, 1934-35, 1936(M), 1938-40. WSP 1385: 1950(P). WSP 1725: 1956(P). WSP 1909: 1956. WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 825.02 ft above National Geodetic Vertical Datum of 1929. Prior to May 12, 1934, nonrecording gage at present site and datum. May 12, 1934 to Sept. 14, 1973, nonrecording gage at site 250 ft downstream at same datum. Sept. 15, 1973 to Sept. 23, 1976, nonrecording gage at present site and datum.

REMARKS.--Prior to Sept. 15, 1973, the City of Anderson diverted water for its municipal supply above the gage then in use.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 23.6 ft Mar. 25, 1913, at site 250 ft downstream and at present datum, based on determination of National Weather Service at site then in use, discharge, 28,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 14.94 ft, May 14; minimum gage height, 4.13 ft, Sept. 12.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.41	5.34	6.73	5.16	11.90	5.06	6.23	5.88	5.12	4.71	4.31	4.21
2	4.38	5.32	5.96	4.93	7.91	5.52	6.53	5.91	5.09	4.63	4.29	4.21
3	4.35	5.34	5.64	4.88	6.48	6.72	7.93	5.62	5.04	4.61	4.28	4.21
4	4.33	5.23	5.46	4.90	5.98	5.71	6.47	5.46	5.12	4.57	4.27	4.19
5	5.37	5.14	5.32	4.85	5.66	5.44	6.02	5.37	5.11	4.51	4.46	4.18
6	5.71	5.08	5.24	4.85	5.51	5.33	5.78	5.46	5.54	4.49	4.40	4.16
7	5.24	5.02	5.18	4.85	5.38	5.25	5.64	7.68	5.27	4.47	4.34	4.17
8	4.92	5.01	5.10	4.80	5.30	5.20	5.69	7.35	5.13	4.45	4.30	4.18
9	4.76	4.95	5.03	4.83	5.23	6.20	7.26	6.59	5.01	4.53	4.26	4.17
10	4.73	4.92	4.97	4.81	5.24	6.31	6.42	5.97	4.97	4.93	4.25	4.16
11	5.45	4.89	4.94	4.80	5.37	5.71	5.90	5.72	4.97	4.71	4.26	4.14
12	7.59	4.85	4.96	4.80	5.33	5.53	5.73	10.08	4.90	4.53	4.27	4.16
13	6.29	4.83	5.11	4.76	5.21	5.42	7.55	14.94	4.94	4.47	4.30	4.17
14	9.01	4.79	6.97	4.78	5.11	5.33	8.11	12.49	4.88	4.46	4.28	4.31
15	7.71	4.79	6.57	4.75	5.10	5.44	7.64	7.46	4.82	4.40	4.27	4.31
16	8.25	4.77	6.03	4.74	5.05	5.74	6.31	6.55	4.82	4.37	4.25	4.30
17	7.47	4.75	9.59	4.71	4.98	5.62	5.89	6.21	4.73	4.39	4.25	4.29
18	6.30	4.75	10.15	4.71	4.96	5.41	5.69	5.95	4.73	4.39	4.24	4.33
19	5.86	4.72	7.05	4.69	5.00	5.30	5.75	5.74	4.72	4.42	4.86	4.41
20	5.63	4.73	6.18	4.68	5.35	5.33	5.67	5.61	4.68	4.43	4.39	5.51
21	5.45	4.71	5.83	4.66	5.29	5.31	6.61	5.50	4.66	4.36	4.34	4.64
22	5.32	4.70	5.66	4.66	5.17	5.21	6.49	5.43	4.59	4.35	4.54	4.52
23	5.81	4.67	5.60	4.70	5.08	5.13	5.93	5.35	4.59	4.33	4.48	4.47
24	10.21	4.97	5.46	4.76	5.03	5.12	5.75	5.30	4.57	4.32	4.48	4.44
25	12.93	5.18	5.34	4.81	5.03	5.28	5.55	5.43	4.78	4.31	4.44	4.43
26	7.78	5.04	5.25	4.78	5.13	5.40	5.41	5.32	4.64	4.37	4.34	4.44
27	6.43	5.00	5.19	4.74	5.13	5.70	6.28	5.24	6.05	4.62	4.29	4.95
28	6.00	5.14	5.15	4.73	5.06	6.41	9.83	5.26	5.31	4.44	4.26	4.61
29	5.72	7.16	5.07	4.78	---	8.85	6.86	5.31	4.94	4.42	4.24	4.29
30	5.54	8.46	5.12	5.31	---	10.50	6.13	5.21	4.79	4.37	4.23	4.21
31	5.43	---	5.15	7.03	---	6.91	---	5.21	---	4.33	4.21	---
MEAN	6.27	5.14	5.84	4.88	5.61	5.85	6.43	6.47	4.95	4.47	4.33	4.36
MAX	12.93	8.46	10.15	7.03	11.90	10.50	9.83	14.94	6.05	4.93	4.86	5.51
MIN	4.33	4.67	4.94	4.66	4.96	5.06	5.41	5.21	4.57	4.31	4.21	4.14
CAL YR 2001	MEAN 5.18	MAX 12.93	MIN 4.26									
WTR YR 2002	MEAN 5.38	MAX 14.94	MIN 4.14									

03348130 WHITE RIVER AT RAIBLE AVENUE AT ANDERSON, IN

LOCATION.--Lat 40°06'38", long 85°42'39", in NW¹/₄SW¹/₄ sec.11, T.19 N., R.7 E., Madison County, Hydrologic Unit 05120201, (ANDERSON SOUTH, IN quadrangle), on the upstream side of bridge in southeast quadrant of Raible Avenue and White River, 0.3 mi upstream of waste-water treatment plant, 2 mi downstream of Killbuck Creek, and 3.0 mi downstream of the municipal power plant in Anderson.

DRAINAGE AREA.--519 mi² (estimated).

PERIOD OF RECORD.--September 1999 to current year.

GAGE.--Water-stage recorder. Datum of gage is 816.54 ft above National Geodetic Vertical Datum of 1929 (based on Department of Natural Resources Benchmark MAD17 reset 1984).

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow maybe affected at times by upstream regulation.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	161	720	3280	e355	5170	416	1880	1220	564	320	142	111
2	155	672	1570	e344	6460	543	1450	1260	516	284	134	112
3	151	646	1060	e327	2320	1940	3020	1030	476	259	131	107
4	143	621	837	e315	1460	1570	2380	826	457	241	125	101
5	270	559	706	e310	1030	851	1430	729	528	226	125	97
6	907	507	627	e305	819	683	1120	710	626	211	211	96
7	825	472	570	e300	701	609	950	1390	651	198	156	92
8	509	451	510	e292	621	546	888	3130	532	190	141	93
9	361	434	466	297	554	725	1430	2390	463	200	131	91
10	306	406	425	305	528	1870	2060	1560	425	416	125	88
11	425	386	395	303	608	1180	1300	1060	397	428	129	84
12	2220	362	383	292	637	836	1010	1860	405	260	130	83
13	2440	341	446	285	564	721	1580	9780	383	216	145	84
14	2400	333	955	280	476	639	2440	10300	371	197	140	91
15	4290	322	2720	276	444	620	3590	5750	348	186	134	89
16	2960	312	1590	266	422	814	2010	2250	343	172	127	88
17	3730	304	3000	260	391	951	1240	1690	313	168	122	86
18	2210	294	5930	253	355	755	974	1350	290	167	120	83
19	1350	291	4090	248	351	618	864	1120	278	226	334	87
20	1010	284	1810	242	453	587	887	978	267	174	244	238
21	808	277	1240	239	672	599	1020	866	256	170	168	324
22	682	270	992	237	580	548	1880	784	247	157	154	166
23	770	264	921	235	476	486	1260	725	241	152	272	130
24	3480	319	819	252	422	453	951	681	233	152	211	113
25	7440	582	699	277	399	520	846	754	228	144	193	100
26	6590	598	615	278	457	625	734	893	279	151	172	94
27	2210	472	566	264	482	719	815	721	434	215	147	199
28	1440	462	523	253	452	1150	4060	689	1030	203	134	194
29	1120	1190	479	274	---	2490	4030	717	572	170	125	148
30	923	3250	e407	419	---	5740	1720	656	385	161	119	121
31	798	---	e380	1230	---	4410	---	589	---	149	115	---
TOTAL	53084	16401	39011	9813	28304	35214	49819	58458	12538	6563	4856	3590
MEAN	1712	546.7	1258	316.5	1011	1136	1661	1886	417.9	211.7	156.6	119.7
MAX	7440	3250	5930	1230	6460	5740	4060	10300	1030	428	334	324
MIN	143	264	380	235	351	416	734	589	228	144	115	83

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2002, BY WATER YEAR (WY)

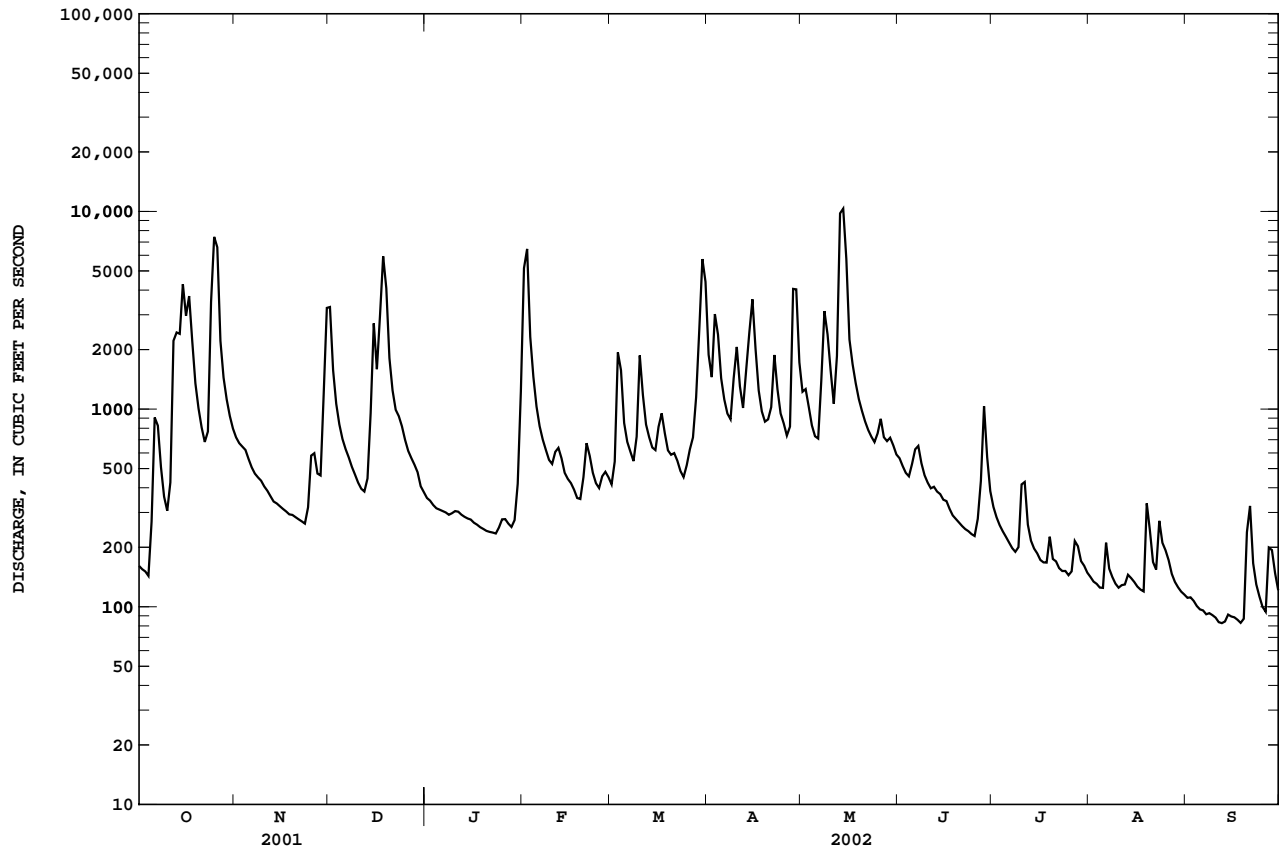
	1999	2000	2001	2002	1999	2000	2001	2002	1999	2000	2001	2002
MEAN	736.0	317.3	631.8	260.3	758.2	608.0	991.5	1048	487.4	348.8	229.5	249.6
MAX	1712	547	1258	354	1011	1136	1661	1886	577	493	286	330
(WY)	2002	2002	2002	2001	2002	2002	2002	2002	2000	2001	2000	2000
MIN	90.9	93.4	126	110	384	325	656	421	418	212	157	120
(WY)	2000	2000	2000	2000	2000	2000	2001	2000	2002	2002	2002	2002

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1999 - 2002

ANNUAL TOTAL	247257	317651	554.5
ANNUAL MEAN	677.4	870.3	870
HIGHEST ANNUAL MEAN			2002
LOWEST ANNUAL MEAN			2000
HIGHEST DAILY MEAN	7440	Oct 25	10300
LOWEST DAILY MEAN	125	Aug 16	83
ANNUAL SEVEN-DAY MINIMUM	146	Aug 11	86
MAXIMUM PEAK FLOW			12000
MAXIMUM PEAK STAGE			14.47
10 PERCENT EXCEEDS	1450	2030	1120
50 PERCENT EXCEEDS	374	453	292
90 PERCENT EXCEEDS	186	131	100

e Estimated

03348130 WHITE RIVER AT RAIBLE AVENUE AT ANDERSON, IN--Continued



03348350 PIPE CREEK AT FRANKTON, IN

LOCATION.--Lat 40°13'38", long 85°45'58", in SE¹/₄NE¹/₄ sec.31, T.21 N., R.7 E., Madison County, Hydrologic Unit 05120201, (FRANKTON, IN quadrangle), on right bank 20 ft downstream from bridge on County Road 500 West, at northeast edge of Frankton, 1.88 mi downstream of Plummer Brook mouth, and at mile 10.35.

DRAINAGE AREA.--113 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 810.00 ft above National Geodetic Vertical Datum of 1929.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 10, 1958, reached a stage of 15.5 ft, from floodmark determined by State of Indiana, Department of Natural Resources, discharge, 4,900 ft³/s.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	100	663	e46	1440	82	713	260	72	22	12	11
2	37	92	281	e43	952	145	420	199	62	20	12	11
3	34	87	178	e40	445	815	660	150	55	19	11	11
4	31	79	132	e38	269	390	373	122	51	18	11	10
5	101	73	106	e37	173	177	244	109	79	17	13	9.6
6	500	68	91	e37	132	146	191	102	74	16	15	9.4
7	312	64	81	e38	110	138	158	219	57	15	11	9.4
8	162	61	72	e37	97	119	149	297	49	14	10	9.3
9	107	56	65	38	88	201	270	269	45	16	9.8	8.9
10	86	54	58	39	84	301	227	193	43	27	9.7	8.7
11	188	52	54	38	98	160	166	138	40	25	9.4	8.3
12	1160	48	51	37	101	129	143	513	40	19	9.1	7.7
13	1110	45	61	37	86	116	219	2680	38	17	11	8.3
14	840	45	248	36	76	103	476	1600	39	16	13	9.0
15	901	44	807	36	74	97	757	855	37	15	11	8.9
16	771	43	376	34	70	183	305	425	34	14	11	8.9
17	1050	41	978	33	65	160	195	281	31	16	10	8.1
18	545	40	1310	32	58	123	150	202	29	16	9.7	8.3
19	302	41	680	31	59	102	125	154	28	16	23	10
20	211	40	335	31	82	97	107	124	26	16	19	35
21	164	38	212	31	151	88	139	101	25	14	14	32
22	139	38	162	30	114	77	168	87	24	12	12	17
23	153	36	150	30	93	74	126	78	24	12	26	13
24	712	37	123	32	82	71	109	72	24	12	29	11
25	1270	74	98	31	75	72	105	85	23	11	22	10
26	768	85	85	30	86	e68	91	106	24	16	17	9.6
27	392	64	77	30	99	e64	140	81	27	20	14	16
28	225	56	71	30	89	83	1410	112	33	16	12	15
29	167	146	63	31	---	272	966	233	28	14	12	13
30	133	699	e54	57	---	1320	442	125	24	15	12	11
31	113	---	e50	328	---	1270	---	88	---	12	11	---
TOTAL	12724	2446	7772	1398	5348	7243	9744	10060	1185	508	421.7	358.4
MEAN	410.5	81.53	250.7	45.10	191.0	233.6	324.8	324.5	39.50	16.39	13.60	11.95
MAX	1270	699	1310	328	1440	1320	1410	2680	79	27	29	35
MIN	31	36	50	30	58	64	91	72	23	11	9.1	7.7
CFSM	3.63	0.72	2.22	0.40	1.69	2.07	2.87	2.87	0.35	0.15	0.12	0.11
IN.	4.19	0.81	2.56	0.46	1.76	2.38	3.21	3.31	0.39	0.17	0.14	0.12

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

MEAN	41.10	89.35	126.8	125.4	160.6	194.1	170.0	108.1	122.9	70.17	45.50	41.82
MAX	410	519	482	409	416	544	467	324	409	526	250	529
(WY)	2002	1993	1991	1974	1990	1982	1972	2002	1980	1992	1998	1989
MIN	3.66	6.71	7.31	5.29	16.5	42.4	33.3	19.1	10.3	7.94	4.97	3.23
(WY)	2000	1998	1977	1977	1995	1981	1971	1976	1988	1977	1988	1999

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

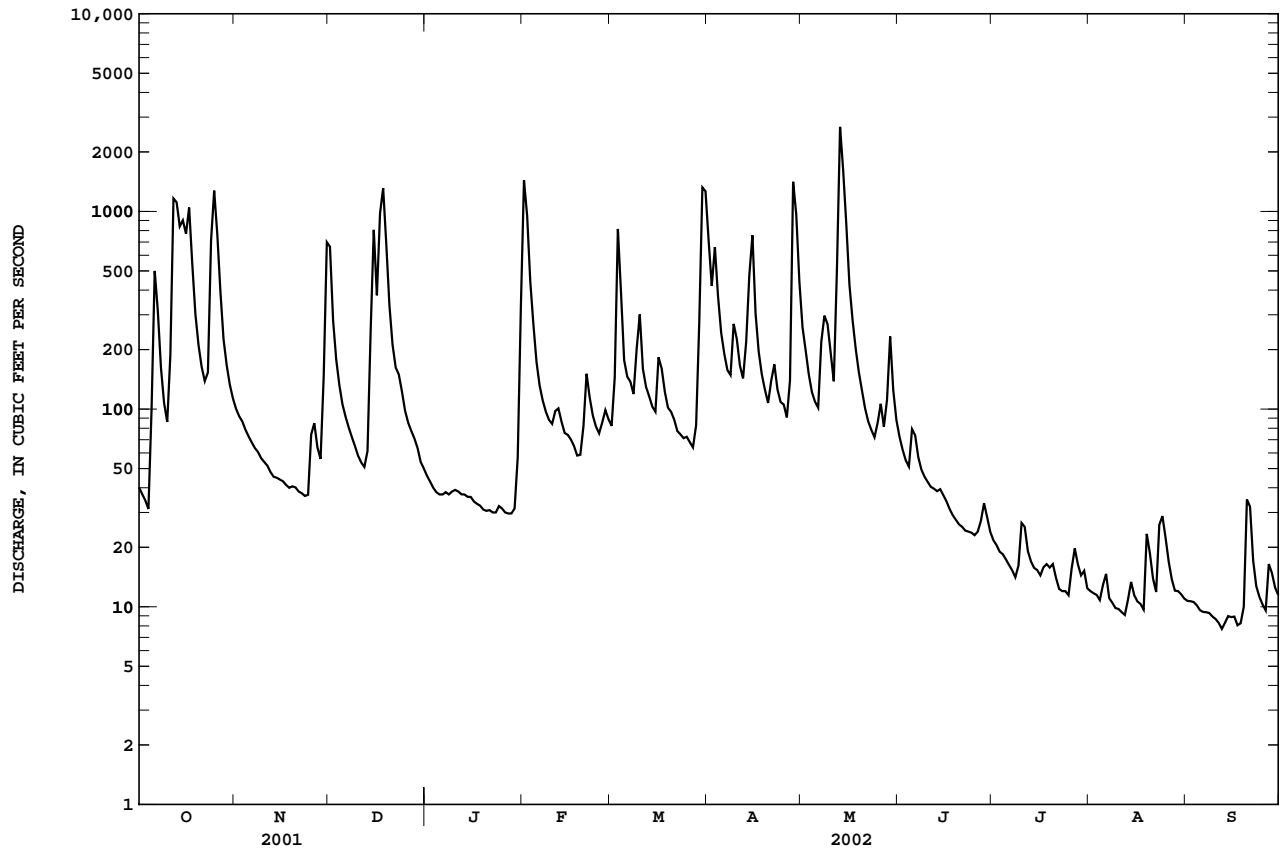
FOR 2002 WATER YEAR

WATER YEARS 1969 - 2002

ANNUAL TOTAL	52315	59208.1	
ANNUAL MEAN	143.3	162.2	107.6
HIGHEST ANNUAL MEAN			180
LOWEST ANNUAL MEAN			32.7
HIGHEST DAILY MEAN	1310	Dec 18	2680
LOWEST DAILY MEAN	17	Aug 17	7.7
ANNUAL SEVEN-DAY MINIMUM	19	Aug 12	8.5
MAXIMUM PEAK FLOW			3020
MAXIMUM PEAK STAGE			12.11
ANNUAL RUNOFF (CFSM)	1.27		1.44
ANNUAL RUNOFF (INCHES)	17.22		19.49
10 PERCENT EXCEEDS	374		403
50 PERCENT EXCEEDS	61		64
90 PERCENT EXCEEDS	27		11
			9.0

e Estimated

03348350 PIPE CREEK AT FRANKTON, IN--Continued



03349000 WHITE RIVER AT NOBLESVILLE, IN

LOCATION.--Lat 40°02'50", long 86°01'00", in SE¹/₄SE¹/₄ sec.36, T.19 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, (NOBLESVILLE, IN quadrangle), on right bank at downstream side of Logan Street bridge in Noblesville, 1.5 mi upstream from Cicero Creek, 5.1 mi downstream from dam at Clare, and at mile 263.5.

DRAINAGE AREA.--858 mi².

PERIOD OF RECORD.--October 1946 to current year. Gage-height records collected at present site from December 1913 to December 1935, and at site 400 ft downstream January 1936 to May 1951, are contained in reports of National Weather Service. Prior to October 1948, published as West Fork White River at Noblesville.

REVISED RECORDS.--WSP 1335: 1949. WSP 2109: Drainage area. WDR IN-94-1: 1993 (M).

GAGE.--Water-stage recorder. Datum of gage is 738.16 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow partially regulated by powerplant above station.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	351	1240	4860	e560	5830	799	5040	2630	860	441	e160	111
2	333	1130	3020	e540	8780	913	3080	2340	785	378	e140	103
3	315	1050	1880	e520	6310	2790	4050	1970	723	332	e144	103
4	296	999	1420	e510	2980	3410	e4390	1510	683	299	e145	97
5	453	913	1170	e500	2040	1800	e2680	1260	832	265	e140	89
6	1780	836	1020	e505	1550	1330	e1830	1170	867	242	e130	81
7	1990	775	915	e500	1300	1170	e1510	1890	925	220	e220	80
8	1280	735	822	e495	1140	1060	e1370	4180	786	203	e150	75
9	890	703	747	489	1020	1210	1720	4080	681	205	e135	74
10	711	662	681	491	942	2670	2820	3020	620	265	e140	73
11	865	633	635	486	979	2280	2200	1980	580	535	e150	66
12	4060	599	606	473	1070	1520	1650	2920	560	378	e165	59
13	5470	572	652	465	995	1270	1790	12800	597	265	e170	61
14	4780	557	1110	452	e940	1130	3380	16900	615	221	e180	66
15	6000	544	3840	444	e900	1050	4660	13500	548	197	e177	77
16	5740	527	3470	436	e870	1350	3890	6070	502	189	e160	72
17	5980	510	4350	432	e820	1600	2220	3310	464	189	e150	69
18	4840	495	7810	416	e750	1400	1640	2500	425	194	e140	68
19	2830	488	7700	404	e730	e1120	1360	1970	396	188	e650	77
20	2050	480	3920	398	746	e1020	1280	1630	375	284	e490	204
21	1600	467	2430	392	1240	e962	1340	1380	356	217	236	598
22	1330	456	1850	390	e1430	882	2200	1220	338	182	179	358
23	1270	442	1620	384	e1150	809	2030	1110	321	162	311	231
24	3240	443	1450	391	e1000	757	1470	1030	310	150	349	186
25	7500	608	1220	413	e890	794	1310	1090	307	147	315	160
26	8980	861	1070	426	e830	877	1150	1340	366	162	243	142
27	5660	713	959	415	872	934	1130	1180	466	229	195	198
28	2630	637	888	400	856	1260	5330	1060	1200	263	155	329
29	1990	867	818	e405	---	2830	8030	1200	1040	228	135	252
30	1610	3360	e700	e586	---	6960	4500	1120	572	196	125	208
31	1380	---	e600	e1290	---	8640	---	941	---	178	119	---
TOTAL	88204	23302	64233	15008	48960	56597	81050	100301	18100	7604	6298	4367
MEAN	2845	776.7	2072	484.1	1749	1826	2702	3236	603.3	245.3	203.2	145.6
MAX	8980	3360	7810	1290	8780	8640	8030	16900	1200	535	650	598
MIN	296	442	600	384	730	757	1130	941	307	147	119	59
CFSM	3.32	0.91	2.41	0.56	2.04	2.13	3.15	3.77	0.70	0.29	0.24	0.17
IN.	3.82	1.01	2.78	0.65	2.12	2.45	3.51	4.35	0.78	0.33	0.27	0.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2002, BY WATER YEAR (WY)

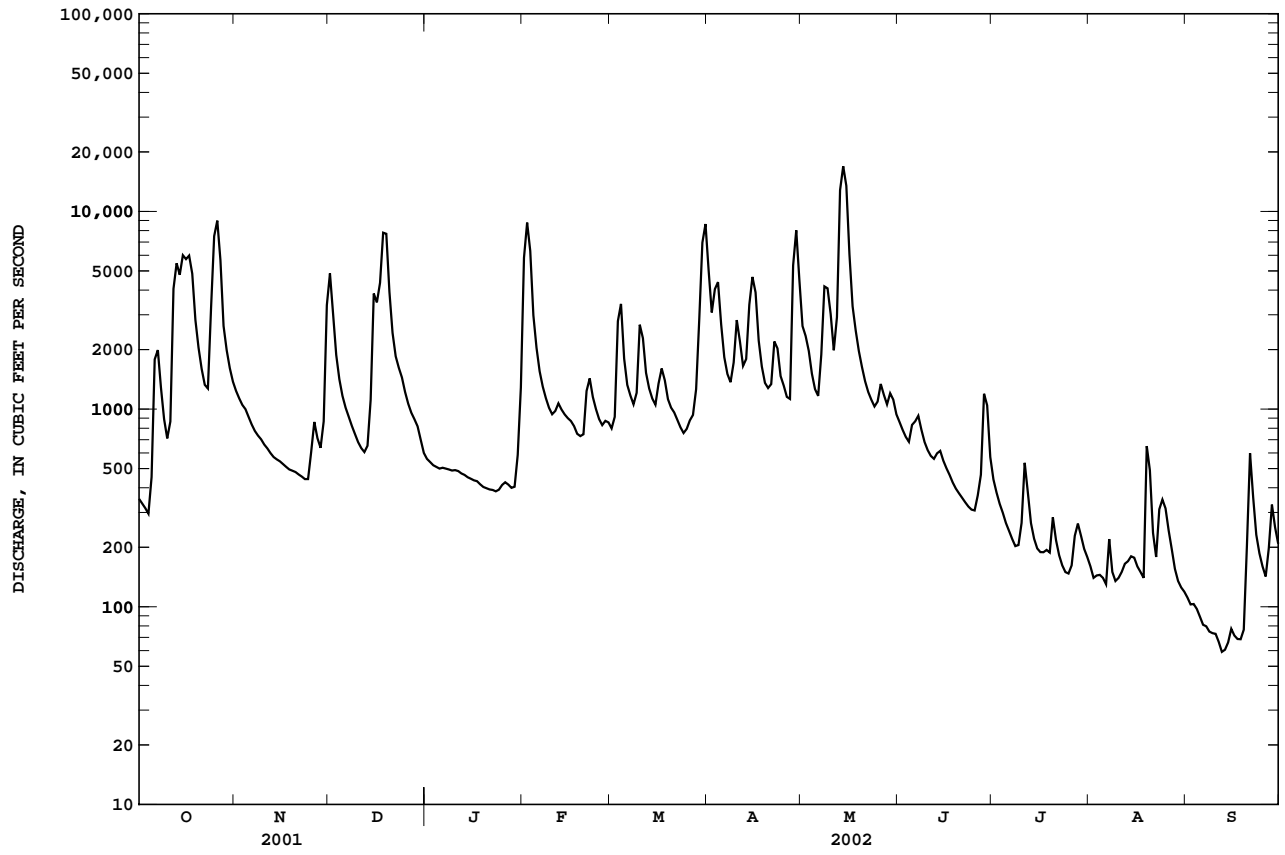
	MEAN	323.8	594.7	874.1	1136	1276	1544	1498	1002	907.3	572.7	361.7	301.7
MAX	2845	3359	3472	6494	3485	3732	4281	3236	4432	2778	2264	3143	
(WY)	2002	1994	1991	1950	1950	1978	1964	2002	1958	1992	1979	1989	
MIN	88.4	109	107	102	141	368	322	249	143	138	93.8	69.3	
(WY)	1964	1964	1964	1977	1964	1981	1971	1988	1988	1966	1988	1954	

SUMMARY STATISTICS

	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	FOR WATER YEARS 1947 - 2002
ANNUAL TOTAL	401873	514024	
ANNUAL MEAN	1101	1408	863.4
HIGHEST ANNUAL MEAN			1455
LOWEST ANNUAL MEAN			266
HIGHEST DAILY MEAN	8980	Oct 26	16900
LOWEST DAILY MEAN	218	Aug 17	59
ANNUAL SEVEN-DAY MINIMUM	235	Aug 12	67
MAXIMUM PEAK FLOW			17300
MAXIMUM PEAK STAGE			20.65
ANNUAL RUNOFF (CFSM)	1.28		1.64
ANNUAL RUNOFF (INCHES)	17.42		22.29
10 PERCENT EXCEEDS	2500		3430
50 PERCENT EXCEEDS	638		785
90 PERCENT EXCEEDS	310		153

e Estimated

03349000 WHITE RIVER AT NOBLESVILLE, IN--Continued



03350700 STONY CREEK NEAR NOBLESVILLE, IN

LOCATION.--Lat 40°01'44", long 85°59'44", in NE¹/₄NE¹/₄ sec.7, T.18 N., R.5 E., Hamilton County, Hydrologic Unit 05120201, (RIVERWOOD, IN quadrangle), on right bank, between dual bridges on State Road 37, 1.2 mi south of intersection of State Road 38 and State Road 37, 1.4 mi upstream from mouth, and 1.4 mi southeast of Noblesville.

DRAINAGE AREA.--50.8 mi².

PERIOD OF RECORD.--July 1967 to current year.

REVISED RECORDS.--WDR IN-82-1: 1981.

GAGE.--Water-stage recorder. Datum of gage is 749.00 ft above National Geodetic Vertical Datum of 1929 (Indiana Department of Highways bench mark). Prior to Oct. 1, 1988, water-stage recorder at county road bridge 200 ft upstream at same datum.

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	73	163	e28	537	46	165	142	43	22	8.8	7.4
2	19	67	113	e27	256	84	150	149	40	20	8.7	7.3
3	17	61	86	e26	164	204	239	122	38	18	8.5	7.1
4	15	56	69	e25	129	116	159	95	36	17	8.0	6.8
5	77	51	60	e24	94	76	128	79	39	17	8.3	6.3
6	208	48	54	e24	75	71	106	75	38	15	8.2	6.5
7	119	46	48	e25	63	66	86	209	34	14	7.5	6.5
8	81	44	42	e25	56	55	84	276	32	14	7.4	6.4
9	59	41	37	27	50	92	111	231	31	15	8.2	6.3
10	50	40	36	26	48	118	98	176	29	16	8.3	6.1
11	121	37	35	25	54	79	81	130	29	14	7.6	5.7
12	485	35	34	25	51	65	71	321	29	13	7.0	5.6
13	280	34	45	25	42	58	96	1300	34	12	6.9	5.6
14	375	34	138	25	40	53	133	805	42	12	6.8	5.5
15	318	36	218	24	41	52	140	352	34	11	6.9	5.8
16	316	36	146	22	33	136	102	187	30	11	6.5	5.9
17	328	33	381	23	31	101	79	153	26	13	6.5	5.5
18	190	28	376	22	28	76	65	122	24	13	6.7	5.3
19	151	33	199	22	30	62	59	99	22	12	40	6.4
20	125	33	151	22	55	59	52	84	22	13	20	33
21	103	30	117	22	94	53	86	71	21	12	11	41
22	87	28	96	25	62	47	109	63	20	11	10	13
23	125	28	91	25	49	45	75	58	19	11	39	8.7
24	410	28	76	24	44	42	69	54	19	10	16	8.8
25	664	45	62	24	43	79	77	79	20	9.5	13	9.2
26	260	38	56	22	52	89	62	100	25	11	12	8.5
27	172	37	51	22	54	79	101	66	63	12	9.6	16
28	138	35	46	26	49	150	596	63	57	11	8.6	14
29	116	92	40	26	---	321	285	58	32	10	8.4	10
30	96	228	e33	53	---	585	178	52	25	9.4	8.0	9.3
31	83	---	e30	179	---	226	---	47	---	9.4	7.7	---
TOTAL	5609	1455	3129	940	2324	3385	3842	5818	953	408.3	340.1	289.5
MEAN	180.9	48.50	100.9	30.32	83.00	109.2	128.1	187.7	31.77	13.17	10.97	9.650
MAX	664	228	381	179	537	585	596	1300	63	22	40	41
MIN	15	28	30	22	28	42	52	47	19	9.4	6.5	5.3
CFSM	3.56	0.95	1.99	0.60	1.63	2.15	2.52	3.69	0.63	0.26	0.22	0.19
IN.	4.11	1.07	2.29	0.69	1.70	2.48	2.81	4.26	0.70	0.30	0.25	0.21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2002, BY WATER YEAR (WY)

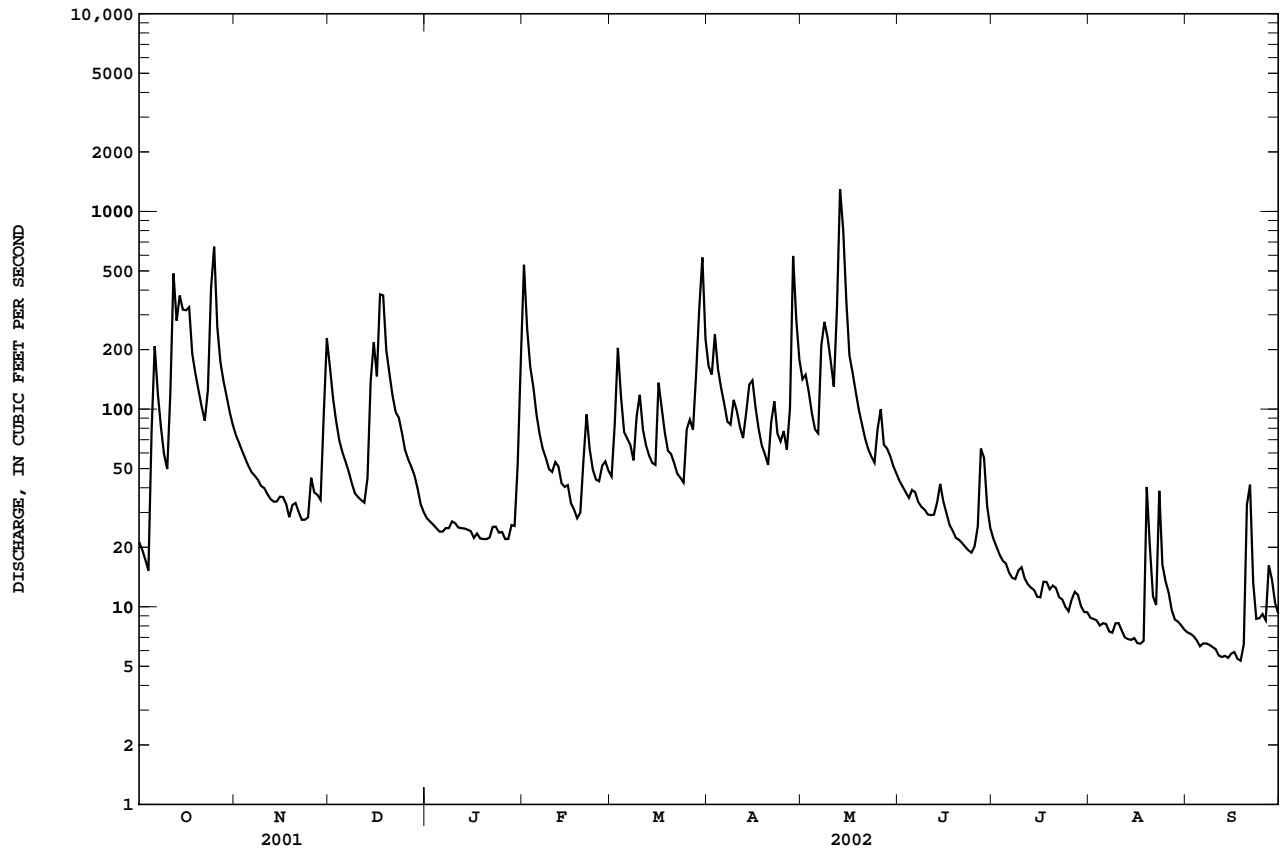
	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002		
MEAN	20.59	45.49	56.58	56.36	77.10	84.01	80.05	64.57	49.85	30.38	20.54	17.30																									
MAX	181	287	235	145	190	203	160	229	241	128	80.5	210																									
(WY)	2002	1993	1991	1974	1990	1978	1972	1996	1998	1979	1979	1989																									
MIN	2.41	3.96	4.99	3.87	6.26	14.1	16.9	16.1	6.50	3.25	3.84	3.38																									
(WY)	1996	2000	1998	1977	1998	2000	1971	1988	1988	1977	1988	1995																									

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1968 - 2002

ANNUAL TOTAL	20972.2	28492.9	
ANNUAL MEAN	57.46	78.06	50.05
HIGHEST ANNUAL MEAN			83.0
LOWEST ANNUAL MEAN			15.4
HIGHEST DAILY MEAN	664	Oct 25	1300
LOWEST DAILY MEAN	5.7	Sep 5	5.3
ANNUAL SEVEN-DAY MINIMUM	6.5	Sep 1	5.6
MAXIMUM PEAK FLOW			1480
MAXIMUM PEAK STAGE			7.47
ANNUAL RUNOFF (CFSM)	1.13		1.54
ANNUAL RUNOFF (INCHES)	15.36		20.86
10 PERCENT EXCEEDS	120		174
50 PERCENT EXCEEDS	34		41
90 PERCENT EXCEEDS	11		8.4

e Estimated

03350700 STONY CREEK NEAR NOBLESVILLE, IN--Continued



WABASH RIVER BASIN

03351000 WHITE RIVER NEAR NORA, IN

LOCATION.--Lat 39°54'35", long 86°06'20", in NW¹/₄NW¹/₄ sec.20, T.17 N., R.4 E., Marion County, Hydrologic Unit 05120201, (FISHERS, IN quadrangle), on downstream side of center bridge pier on 82nd Street, 2 mi east of Nora, 14 mi upstream from Fall Creek, and at mile 247.9.

DRAINAGE AREA.--1,219 mi².

PERIOD OF RECORD.--October 1929 to current year. Prior to April 1930, monthly discharge only, published in WSP 1305. Prior to October 1948, published as West Fork White River near Nora.

REVISED RECORDS.--WSP 1335: 1930-31, 1934(m), 1936, 1941, 1943, 1945, 1947-48. WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 710.94 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Oct. 26, 192 to July 29, 1942, at site 200 ft downstream at same datum. Supplemental water-stage recorder 4.5 mi downstream.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 26, 1913, reached a stage of 22.4 ft, from floodmark, determined by Indiana Department of Highways, discharge, 58,500 ft³/s.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	452	1680	5390	e800	6770	1270	7970	3800	1300	881	274	226
2	419	1540	4210	e760	10200	1370	4360	3330	1180	728	259	240
3	392	1430	2510	e730	9370	3150	4790	2820	1080	632	266	242
4	367	1320	1920	e710	4360	4540	5620	2170	1010	572	265	241
5	740	1240	1590	e700	2910	2770	3790	1820	1240	520	255	230
6	2050	1130	1400	e710	2210	1980	2750	1670	1320	458	246	217
7	2590	1060	1260	e700	1860	1740	2250	2560	1270	423	301	212
8	1840	1000	1140	e690	1640	1560	2030	5010	1170	388	275	210
9	1270	981	1050	702	1470	1800	2220	5570	1020	433	247	204
10	992	911	952	710	1360	3300	3190	4290	915	476	279	207
11	1250	875	891	706	1390	3430	2960	2860	846	604	282	199
12	4970	822	849	684	1430	2340	2290	3430	830	598	283	196
13	7090	788	925	668	1400	1920	2310	14000	1040	453	297	194
14	7050	760	1510	656	1250	1700	3630	20800	1150	394	325	198
15	7670	744	4070	644	1140	1570	5200	19900	1050	361	314	205
16	7960	722	4730	625	1100	2020	5240	11500	915	332	279	208
17	7870	700	5250	607	1050	2230	3090	5100	797	375	267	200
18	7150	677	9030	587	959	2060	2230	3710	710	354	259	208
19	4340	660	9830	577	927	1720	1850	2910	648	326	884	221
20	3040	668	6240	569	1190	1570	1680	2430	611	374	644	670
21	2370	633	3450	560	1820	1480	1850	2100	575	362	394	800
22	1970	615	2580	561	1960	1360	2460	1840	548	328	276	525
23	1940	610	2240	559	1580	1250	2630	1670	526	298	432	311
24	3880	621	2010	565	1360	1180	1990	1540	503	278	504	243
25	8690	728	1740	571	1230	1510	1900	1660	509	266	382	212
26	10400	982	1520	578	1380	1560	1620	1970	757	267	328	190
27	8980	978	1360	573	1400	1590	1650	1810	1500	339	277	335
28	3840	852	1270	560	1340	1920	6190	1610	2350	372	235	333
29	2720	1020	1170	567	---	3330	9880	1720	2030	358	212	331
30	2220	3160	1030	804	---	7940	7230	1720	1220	341	250	257
31	1890	---	906	1790	---	10400	---	1450	---	305	242	---
TOTAL	118402	29907	84023	21223	66056	77560	106850	138770	30620	13194	10033	8265
MEAN	3819	996.9	2710	684.6	2359	2502	3562	4476	1021	425.6	323.6	275.5
MAX	10400	3160	9830	1790	10200	10400	9880	20800	2350	881	884	800
MIN	367	610	849	559	927	1180	1620	1450	503	266	212	190
CFSM	3.13	0.82	2.22	0.56	1.94	2.05	2.92	3.67	0.84	0.35	0.27	0.23
IN.	3.61	0.91	2.56	0.65	2.02	2.37	3.26	4.23	0.93	0.40	0.31	0.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2002, BY WATER YEAR (WY)

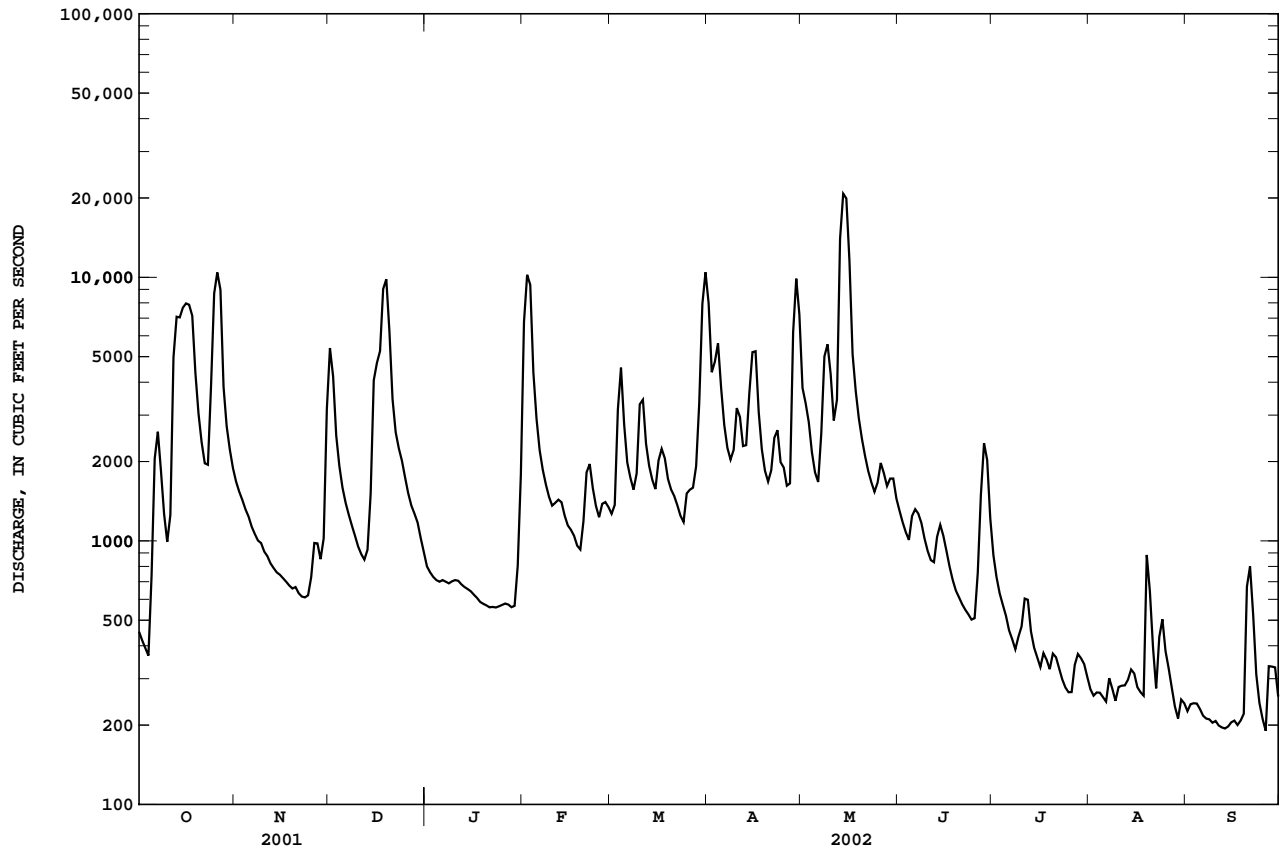
	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000	2002
MEAN	408.1	735.4	1100	1567	1674	2067	2051	1452	1170	722.5	453.9	378.1				
MAX	3819	5115	4366	9015	4805	5113	5878	6815	6093	3672	2612	4397				
(WY)	2002	1993	1991	1950	1950	1978	1964	1943	1958	1992	1979	1989				
MIN	108	110	119	119	182	194	280	141	200	102	82.5	72.3				
(WY)	1941	1935	1935	1945	1964	1941	1941	1941	1931	1936	1941	1941				

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1930 - 2002

ANNUAL TOTAL	524347	704903														
ANNUAL MEAN	1437	1931								1145						
HIGHEST ANNUAL MEAN										2052					1950	
LOWEST ANNUAL MEAN										235					1941	
HIGHEST DAILY MEAN	10400	Oct 26	20800	May 14	31500	May 19	1943									
LOWEST DAILY MEAN	240	Aug 15	190	Sep 26	49	Sep 17	1941									
ANNUAL SEVEN-DAY MINIMUM	266	Aug 11	200	Sep 11	53	Sep 17	1941									
MAXIMUM PEAK FLOW			21900	May 14	32400	May 19	1943									
MAXIMUM PEAK STAGE			16.58	May 14	19.19	Jan 1	1991									
ANNUAL RUNOFF (CFSM)	1.18		1.58		0.94											
ANNUAL RUNOFF (INCHES)	16.00		21.51		12.76											
10 PERCENT EXCEEDS	3310		4620		2590											
50 PERCENT EXCEEDS	852		1140		525											
90 PERCENT EXCEEDS	374		267		162											

e Estimated

03351000 WHITE RIVER NEAR NORA, IN--Continued



03351060 WHITE RIVER AT BROAD RIPPLE, IN

LOCATION.--Lat 39°52'17", long 86°08'16", in SW¹/₄ sec.36, T.17 N., R.3 E., Marion County, Hydrologic Unit 05120201, (INDIANAPOLIS WEST, IN quadrangle), on left bank at Indianapolis Water Company, 75 ft downstream from diversion canal, and 500 ft upstream from Broad Ripple dam, and at 243.2 mile.

DRAINAGE AREA.--1,238 mi².

PERIOD OF RECORD.--October 1989 to current year. Fragmentary record November 1927 to Jan. 24, 1947 and continuous record, Jan. 24, 1947 to Sept. 30, 1989, available in District office.

REVISED RECORDS.--WDR IN-93-1: 1992.

GAGE.--Water-stage recorder. Datum of gage is 709.91 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Stage affected by diversion through canal for water supply.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 10.16 ft, Jan. 1, 1991; minimum, 2.51 ft, Sept. 11, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 8.30 ft, May 15; minimum 2.78 ft, Sept. 8-14.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.06	3.71	5.06	3.28	5.92	3.52	5.21	4.45	3.54	3.22	2.81	2.81
2	3.03	3.61	4.34	3.25	6.35	3.74	4.78	4.40	3.48	3.14	2.82	2.82
3	2.98	3.56	3.96	3.26	5.39	4.75	5.14	4.13	3.41	3.09	2.82	2.83
4	2.98	3.52	3.76	3.23	4.55	4.67	5.06	3.91	3.39	3.05	2.81	2.83
5	3.66	3.46	3.63	3.24	4.15	4.06	4.46	3.79	3.55	3.00	2.81	2.81
6	4.29	3.41	3.57	3.25	3.93	3.85	4.18	3.77	3.48	2.96	2.81	2.80
7	4.18	3.38	3.49	3.25	3.78	3.74	4.02	4.59	3.51	2.93	2.88	2.79
8	3.78	3.35	3.45	3.21	3.67	3.67	3.98	5.22	3.42	2.91	2.83	2.79
9	3.54	3.33	3.39	3.21	3.59	4.02	4.14	---	---	---	2.79	2.78
10	3.49	3.30	3.33	3.22	3.55	4.67	4.58	4.55	---	---	---	2.78
11	3.96	3.30	3.31	3.21	3.55	4.30	4.24	4.14	---	---	---	2.78
12	5.69	3.26	3.29	3.20	3.59	3.99	4.17	5.51	---	---	---	2.78
13	5.94	3.24	3.35	3.18	3.55	3.84	4.22	7.59	3.48	---	---	2.78
14	5.88	3.24	4.02	3.18	3.47	3.74	5.00	8.30	3.41	---	2.93	2.79
15	6.11	3.22	4.98	3.17	3.42	3.75	5.38	7.46	3.38	---	---	2.80
16	5.98	3.21	4.65	3.16	3.41	3.99	4.83	5.34	3.28	---	---	2.80
17	6.06	3.19	5.42	3.15	3.37	4.04	4.21	4.67	3.20	---	2.84	2.80
18	5.48	3.18	6.12	3.14	3.32	3.90	3.89	4.35	3.16	---	2.84	2.81
19	4.70	3.17	5.98	3.13	3.33	3.74	3.75	4.13	3.13	2.93	3.34	2.86
20	4.36	3.17	4.75	3.12	3.57	3.70	3.72	3.98	3.10	2.98	3.09	3.53
21	4.12	3.14	4.31	3.11	3.90	3.66	3.88	3.84	3.07	---	2.91	3.20
22	3.98	3.14	4.04	3.11	3.81	3.56	4.23	3.74	3.04	---	2.85	3.01
23	4.21	3.14	3.95	3.11	3.63	3.53	4.00	3.66	3.03	---	3.02	2.90
24	5.70	3.16	3.84	3.13	3.54	3.51	3.86	3.62	3.00	2.84	3.02	---
25	6.57	3.29	3.71	3.12	3.50	3.80	3.77	3.90	3.08	2.82	2.97	---
26	6.57	3.40	3.62	3.13	3.61	3.74	3.66	3.85	3.22	2.85	2.90	---
27	5.31	3.33	3.54	3.13	3.60	3.83	4.04	3.72	4.22	2.92	2.86	---
28	4.50	3.31	3.50	3.12	3.54	4.04	5.80	3.68	3.95	2.90	2.81	---
29	4.22	3.50	3.46	3.16	---	5.04	6.16	3.80	3.63	2.91	2.80	---
30	3.98	4.76	3.35	3.38	---	6.26	4.95	3.68	3.35	2.87	2.84	---
31	3.84	---	3.28	4.36	---	6.42	---	3.58	---	2.86	2.83	---
MEAN	4.59	3.37	4.01	3.22	3.88	4.10	4.44	---	---	---	---	---
MAX	6.57	4.76	6.12	4.36	6.35	6.42	6.16	---	---	---	---	---
MIN	2.98	3.14	3.28	3.11	3.32	3.51	3.66	---	---	---	---	---

CAL YR 2001 MEAN 3.57 MAX 6.57 MIN 2.80

03351310 CROOKED CREEK AT INDIANAPOLIS, IN

LOCATION.--Lat 39°49'47", long 86°12'22", in NW¹/₄SE¹/₄ sec.16, T.16 N., R.3 E., Marion County, Hydrologic Unit 05120201, (INDIANAPOLIS WEST, IN quadrangle), on left bank 150 ft downstream from 42nd Street bridge in Indianapolis, at mile 1.6, 2.30 mi west-northwest of burial plot of John Dillinger in Crown Hill Cemetery, and 2.35 mi northeast of Indianapolis Motor Speedway.

DRAINAGE AREA.--17.9 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 711.00 ft above National Geodetic Vertical Datum of 1929 (Indiana Department of Highways bench mark).

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	11	25	e7.1	264	e19	29	36	17	12	4.3	2.5
2	2.6	11	17	e6.7	47	36	53	78	13	9.6	3.2	2.4
3	2.6	12	14	e6.4	33	60	71	35	11	7.8	3.7	2.4
4	2.9	9.8	12	e6.1	27	e30	36	26	10	6.9	2.7	2.4
5	89	8.9	11	e6.0	22	24	28	21	33	5.9	2.3	5.3
6	42	8.3	10	e6.3	18	22	23	29	22	5.8	2.0	2.2
7	17	8.0	9.6	e6.2	17	19	20	134	15	4.6	1.7	1.5
8	11	7.9	8.5	e6.1	16	17	25	101	12	4.2	1.3	1.4
9	10	8.3	7.8	6.4	14	85	32	77	10	40	1.4	1.4
10	17	7.8	7.1	7.0	15	44	24	42	10	30	1.2	1.4
11	94	7.1	6.7	6.7	20	29	20	29	11	12	1.1	1.3
12	247	6.5	7.5	6.8	17	26	27	240	17	8.7	1.1	1.3
13	35	6.3	19	5.9	14	22	30	647	36	6.3	1.2	1.3
14	126	6.1	124	5.7	12	19	34	80	36	5.2	1.8	1.3
15	35	5.9	42	6.1	12	23	28	44	26	4.6	2.1	1.4
16	56	6.4	32	5.1	11	68	23	32	27	4.1	1.6	1.4
17	31	6.8	208	4.9	10	30	19	32	14	5.5	1.6	1.4
18	21	5.6	62	4.7	10	25	18	25	11	6.6	1.5	1.6
19	17	5.4	31	7.0	14	24	16	21	9.3	7.2	104	1.8
20	14	5.4	22	6.9	57	25	15	19	7.9	22	25	103
21	11	5.3	18	6.1	39	22	59	18	7.0	8.1	11	32
22	10	5.2	16	5.7	27	17	34	15	6.4	5.5	7.2	11
23	48	5.0	18	4.9	20	15	23	14	5.9	5.2	5.2	5.3
24	197	11	14	5.9	17	15	28	14	5.4	5.0	12	3.1
25	83	17	12	5.6	16	93	47	28	43	3.7	16	2.8
26	29	8.5	11	4.9	43	48	25	29	115	3.2	7.6	2.0
27	20	11	10	4.3	30	64	131	17	123	6.3	5.5	28
28	16	12	10	4.8	e22	71	298	24	62	4.8	4.2	11
29	14	31	9.3	5.4	---	89	55	26	22	4.8	3.4	6.7
30	13	83	e8.1	27	---	75	38	20	15	10	3.2	4.0
31	11	---	e7.6	121	---	37	---	15	---	5.2	2.8	---
TOTAL	1324.8	343.5	810.2	319.7	864	1193	1309	1968	752.9	270.8	242.9	244.6
MEAN	42.74	11.45	26.14	10.31	30.86	38.48	43.63	63.48	25.10	8.735	7.835	8.153
MAX	247	83	208	121	264	93	298	647	123	40	104	103
MIN	2.6	5.0	6.7	4.3	10	15	15	14	5.4	3.2	1.1	1.3
CFSM	2.39	0.64	1.46	0.58	1.72	2.15	2.44	3.55	1.40	0.49	0.44	0.46
IN.	2.75	0.71	1.68	0.66	1.80	2.48	2.72	4.09	1.56	0.56	0.50	0.51

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

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002			
MEAN	9.518	19.92	21.01	18.67	24.81	30.34	29.64	27.70	18.46	12.33	7.855	8.570																								
MAX	60.9	88.2	95.4	54.8	79.4	63.7	58.2	110	90.8	57.7	30.8	69.9																								
(WY)	1987	1994	1991	1974	1975	1991	1972	1996	1998	1979	1978	1989																								
MIN	1.06	0.70	1.23	0.94	4.17	5.65	5.63	4.31	1.59	1.59	1.94	1.07																								
(WY)	1998	2000	1977	1977	1978	1981	1971	1988	1988	1997	1991	1991																								

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

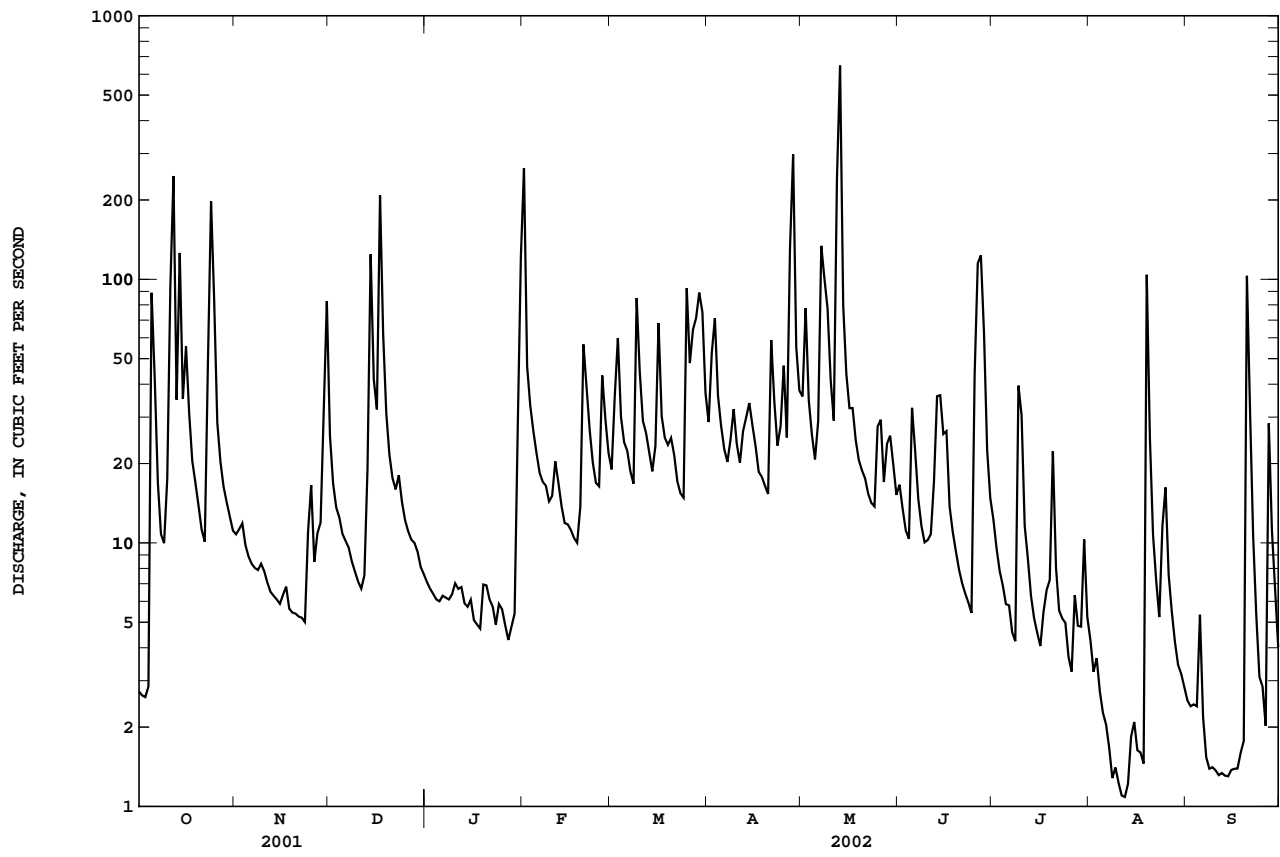
FOR 2002 WATER YEAR

WATER YEARS 1970 - 2002

ANNUAL TOTAL	5943.7	9643.4		
ANNUAL MEAN	16.28	26.42	19.02	
HIGHEST ANNUAL MEAN			29.6	1974
LOWEST ANNUAL MEAN			8.30	1977
HIGHEST DAILY MEAN	247	Oct 12	647	May 13
LOWEST DAILY MEAN	1.0	Aug 15	1.1	Aug 11
ANNUAL SEVEN-DAY MINIMUM	1.2	Aug 11	1.3	Aug 7
MAXIMUM PEAK FLOW			1430	May 13
MAXIMUM PEAK STAGE			8.28	May 13
ANNUAL RUNOFF (CFSM)	0.91		1.48	
ANNUAL RUNOFF (INCHES)	12.35		20.04	
10 PERCENT EXCEEDS	29		58	
50 PERCENT EXCEEDS	9.4		13	
90 PERCENT EXCEEDS	3.2		2.7	

e Estimated

03351310 CROOKED CREEK AT INDIANAPOLIS, IN--Continued



WABASH RIVER BASIN

03351500 FALL CREEK NEAR FORTVILLE, IN

LOCATION.--Lat 39°57'15", long 85°52'05", in NW¹/₄NE¹/₄ 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 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	254	718	e154	1850	181	534	465	206	119	52	37
2	70	242	446	e145	1910	237	471	569	192	108	50	36
3	67	242	349	e138	683	670	859	494	179	101	50	34
4	63	223	292	e135	485	439	599	393	171	96	49	32
5	87	206	255	143	364	309	466	343	177	92	48	30
6	243	192	234	147	308	272	405	325	187	86	45	29
7	198	182	218	146	275	249	362	635	169	83	43	30
8	144	174	201	137	248	227	345	979	159	79	40	29
9	118	168	187	138	226	307	514	760	152	79	39	29
10	106	163	173	142	218	562	525	541	146	90	38	26
11	201	158	164	142	242	362	413	428	140	81	38	24
12	1080	147	159	136	233	304	374	729	142	73	39	23
13	811	141	195	136	209	271	625	3910	198	70	38	24
14	914	139	390	133	189	244	791	4440	268	68	47	25
15	1310	136	773	132	185	232	879	1480	202	67	42	30
16	980	133	479	125	178	342	545	706	168	63	39	30
17	1090	128	1050	124	169	308	426	564	149	61	36	26
18	600	129	1850	120	156	263	365	466	136	62	37	26
19	436	129	937	119	158	231	338	396	128	74	115	28
20	350	124	547	118	206	235	308	355	121	142	107	52
21	297	120	417	116	284	243	389	323	116	89	59	102
22	260	119	355	113	233	217	509	297	113	75	51	54
23	325	117	355	114	201	205	382	279	110	67	96	43
24	1040	127	318	128	187	196	334	263	106	64	79	37
25	2050	274	272	134	178	313	381	268	106	59	72	35
26	1770	218	246	124	198	443	330	295	110	58	60	34
27	618	198	229	121	201	437	353	247	123	71	50	56
28	441	203	215	119	184	767	1430	320	247	72	45	70
29	362	452	199	120	---	970	1100	276	160	62	42	52
30	313	972	e173	206	---	1290	589	242	130	59	41	45
31	279	---	e162	475	---	750	---	221	---	55	39	---
TOTAL	16699	6210	12558	4480	10158	12076	15941	22009	4711	2425	1626	1128
MEAN	538.7	207.0	405.1	144.5	362.8	389.5	531.4	710.0	157.0	78.23	52.45	37.60
MAX	2050	972	1850	475	1910	1290	1430	4440	268	142	115	102
MIN	63	117	159	113	156	181	308	221	106	55	36	23
CFSM	3.19	1.22	2.40	0.86	2.15	2.31	3.14	4.20	0.93	0.46	0.31	0.22
IN.	3.68	1.37	2.76	0.99	2.24	2.66	3.51	4.84	1.04	0.53	0.36	0.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2002, BY WATER YEAR (WY)

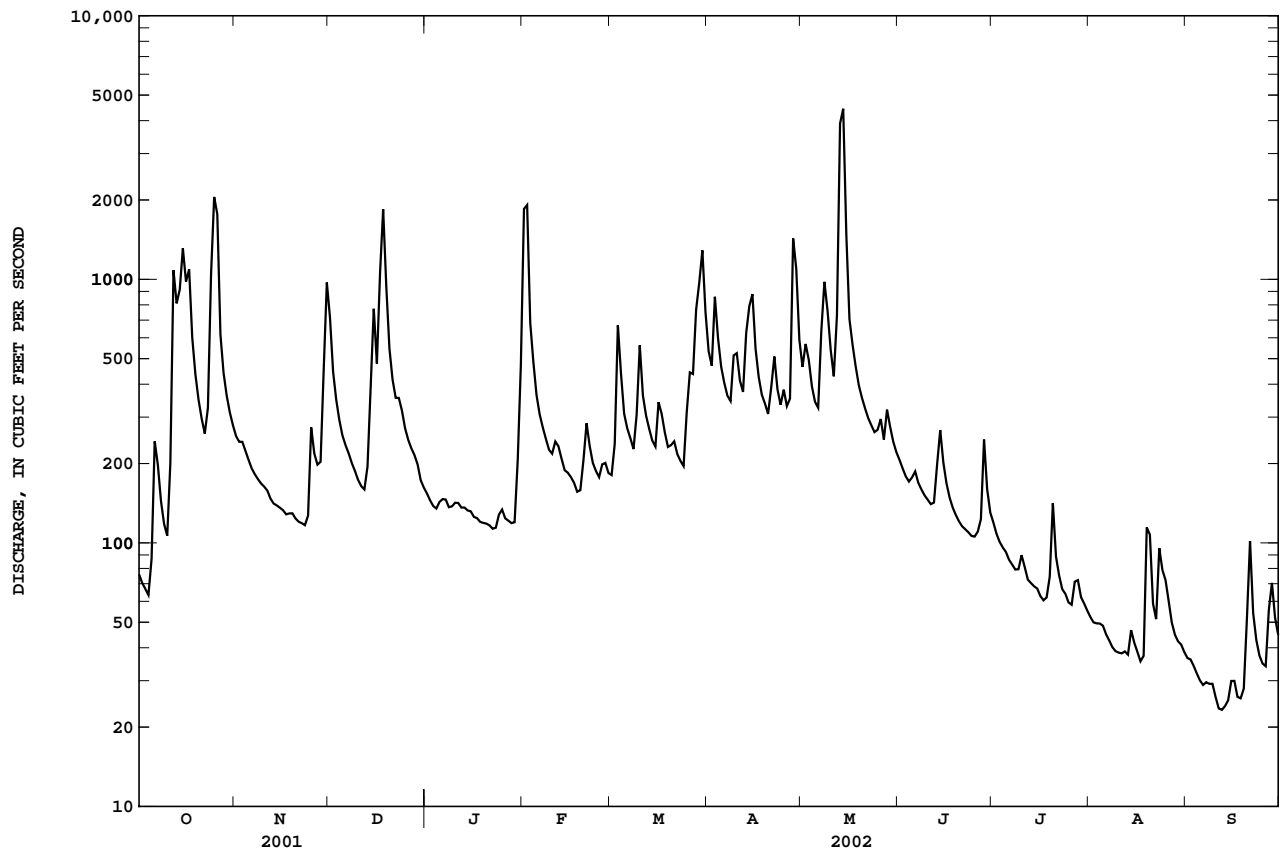
	MEAN	72.26	120.2	170.4	209.9	251.1	296.3	293.4	231.5	187.7	116.2	75.70	57.58
MAX	539	788	727	1210	720	674	829	753	888	416	467	498	
(WY)	2002	1994	1991	1950	1950	1978	1964	1996	1958	1992	1979	1989	
MIN	20.1	27.4	24.2	24.4	42.1	71.2	70.3	71.4	39.2	24.7	16.0	14.5	
(WY)	1964	2000	1964	1977	1964	1981	1971	1955	1988	1966	1988	1999	

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1942 - 2002

ANNUAL TOTAL	83014	110021	
ANNUAL MEAN	227.4	301.4	173.0
HIGHEST ANNUAL MEAN			301
LOWEST ANNUAL MEAN			61.4
HIGHEST DAILY MEAN	2050	Oct 25	4440 May 14
LOWEST DAILY MEAN	58	Aug 16	23 Sep 12
ANNUAL SEVEN-DAY MINIMUM	63	Aug 12	26 Sep 8
MAXIMUM PEAK FLOW			5460 May 13
MAXIMUM PEAK STAGE			8.95 May 13
ANNUAL RUNOFF (CFSM)	1.35		1.78
ANNUAL RUNOFF (INCHES)	18.27		24.22
10 PERCENT EXCEEDS	441		629
50 PERCENT EXCEEDS	147		185
90 PERCENT EXCEEDS	80		43

e Estimated

03351500 FALL CREEK NEAR FORTVILLE, IN--Continued



WABASH RIVER BASIN

03352500 FALL CREEK AT MILLERSVILLE, IN

LOCATION.--Lat 39°51'07", long 86°05'15", in NE¹/₄NE¹/₄ 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 1305. 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.

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 peaks for water years 1991 and 1994 have been revised to 12,000 ft³/s, Dec. 31, 1990, gage height, 13.36 ft, and 8,970 ft³/s, Nov. 15, 1993, gage height, 12.40 ft, superseding figures published in reports for 1991 and 1994.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	90	410	1480	e225	2600	299	1010	838	297	190	79	72
2	83	405	947	e215	3150	363	767	931	275	156	84	84
3	80	386	659	e210	1860	945	1220	824	237	139	84	81
4	73	353	519	e204	981	885	1130	631	219	134	84	80
5	134	325	433	e200	677	599	783	513	278	133	81	79
6	360	287	385	210	535	467	626	480	273	129	82	79
7	378	271	350	213	454	416	523	851	240	108	81	81
8	277	257	319	202	396	360	490	1670	213	95	79	92
9	195	248	287	197	355	479	624	1640	205	135	83	81
10	173	227	264	198	327	769	738	1160	186	198	95	80
11	421	236	242	196	350	672	610	766	182	118	96	79
12	1780	215	231	193	327	524	541	1020	193	78	95	80
13	1960	196	291	188	322	445	735	5300	211	84	92	78
14	2030	195	640	185	282	392	989	7740	333	82	79	103
15	2390	198	1240	180	258	368	1270	4280	327	75	80	90
16	2150	193	1030	175	253	565	951	1730	322	66	77	85
17	2160	189	1760	169	252	528	663	1100	238	73	76	82
18	1470	186	2770	165	226	448	527	801	195	108	82	82
19	922	183	2250	165	226	389	457	646	169	153	231	86
20	683	178	1190	163	348	375	423	554	155	76	160	338
21	537	161	802	161	493	360	568	476	150	103	101	276
22	446	162	625	158	430	321	698	416	145	93	91	81
23	461	166	578	156	348	302	595	378	143	83	94	54
24	1350	184	526	168	301	306	492	362	134	86	100	43
25	2730	305	463	172	275	721	651	365	148	76	92	45
26	2830	376	406	166	356	882	546	442	181	70	87	48
27	1700	339	360	162	350	823	584	375	388	83	83	106
28	905	338	336	160	316	1150	2220	380	645	89	76	90
29	652	571	307	164	---	1530	2420	400	349	83	75	67
30	534	1410	e260	287	---	2170	1310	348	244	82	74	59
31	462	---	e245	703	---	1720	---	305	---	66	72	---
TOTAL	30416	9150	22195	6310	17048	20573	25161	37722	7275	3244	2845	2781
MEAN	981.2	305.0	716.0	203.5	608.9	663.6	838.7	1217	242.5	104.6	91.77	92.70
MAX	2830	1410	2770	703	3150	2170	2420	7740	645	198	231	338
MIN	73	161	231	156	226	299	423	305	134	66	72	43
CFSM	3.29	1.02	2.40	0.68	2.04	2.23	2.81	4.08	0.81	0.35	0.31	0.31
IN.	3.80	1.14	2.77	0.79	2.13	2.57	3.14	4.71	0.91	0.40	0.36	0.35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2002, BY WATER YEAR (WY)

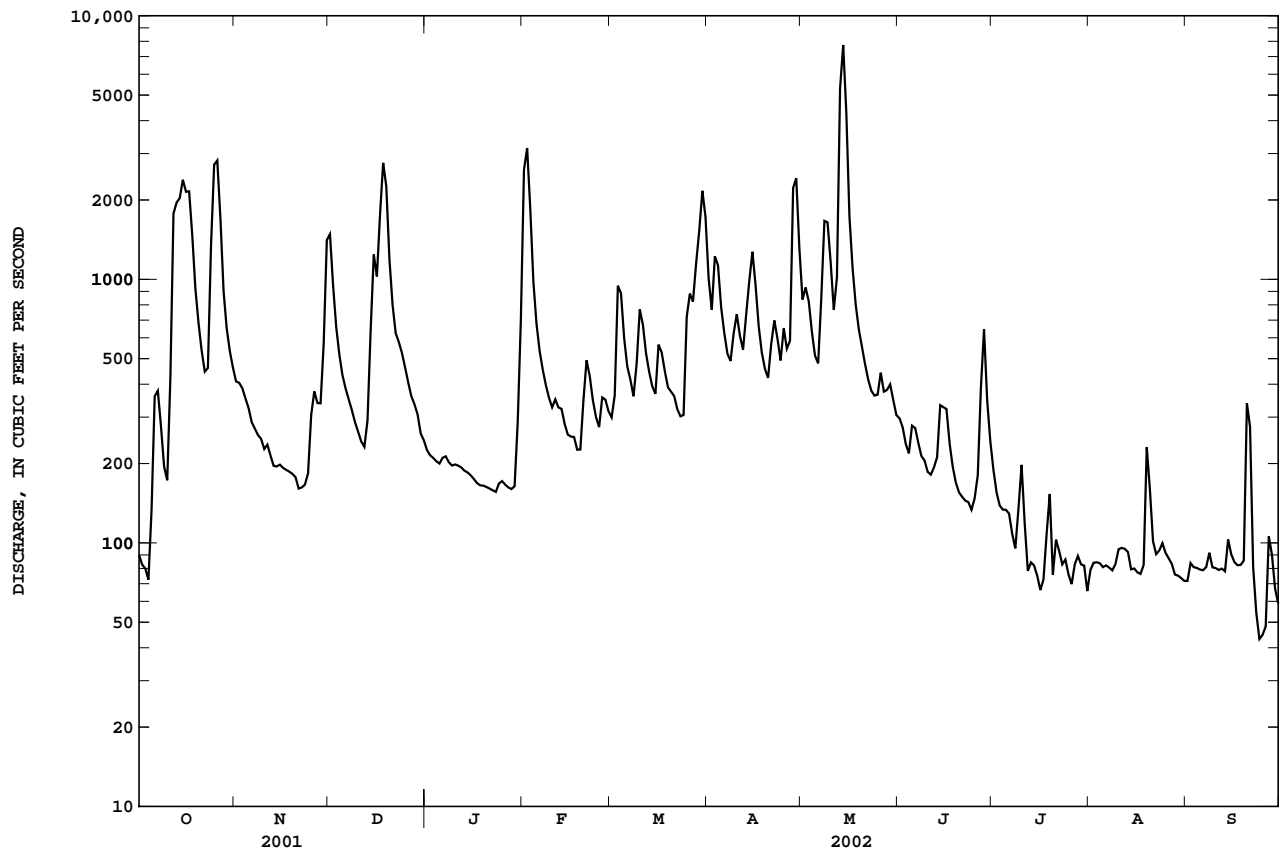
MEAN	109.7	188.0	280.4	394.3	424.7	511.5	512.2	398.0	297.2	189.2	117.1	95.50
MAX	997	1283	1059	2390	1278	1399	1503	1524	1638	796	739	966
(WY)	2002	1994	1991	1950	1950	1963	1964	1943	1998	1979	1979	1989
MIN	23.4	32.1	38.2	37.1	50.4	47.5	59.7	33.6	42.2	29.1	15.5	11.5
(WY)	1941	1935	1935	1945	1935	1941	1941	1941	1934	1936	1941	1941

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1930 - 2002

ANNUAL TOTAL	134372	184720	
ANNUAL MEAN	368.1	506.1	292.4
HIGHEST ANNUAL MEAN			539
LOWEST ANNUAL MEAN			44.0
HIGHEST DAILY MEAN	2830	Oct 26	7740
LOWEST DAILY MEAN	58	Aug 16	43
ANNUAL SEVEN-DAY MINIMUM	69	Aug 12	65
MAXIMUM PEAK FLOW			8260
MAXIMUM PEAK STAGE			12.14
ANNUAL RUNOFF (CFSM)	1.24		1.70
ANNUAL RUNOFF (INCHES)	16.77		23.06
10 PERCENT EXCEEDS	734		1150
50 PERCENT EXCEEDS	231		287
90 PERCENT EXCEEDS	100		81

e Estimated

03352500 FALL CREEK AT MILLERSVILLE, IN--Continued



03353000 WHITE RIVER AT INDIANAPOLIS, IN

LOCATION.--Lat 39°44'14", long 86°10'08", in NW¹/₄NW¹/₄ 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 (erroneously published as 660.00 ft from October 1, 1940 to September 30, 1960). 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 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e385	2140	6800	1040	9710	1680	9320	5420	1450	1020	204	132
2	e345	2050	5840	1030	12100	1970	5630	4850	1290	753	168	123
3	e325	1900	3790	1040	11600	4150	6200	4250	1100	626	150	135
4	e315	1700	2710	1070	6250	5730	6810	3110	973	535	154	135
5	978	1510	2220	996	3960	4130	5160	2540	1560	491	145	133
6	2280	1370	1970	1000	2950	2680	3770	2430	1710	437	125	123
7	3080	1270	1680	1010	2430	2240	3030	4880	1310	369	123	105
8	2560	1220	1510	948	2100	2020	2720	7870	1220	314	160	113
9	1800	1230	1380	923	1860	2940	3100	8180	1080	509	128	109
10	1470	1100	1220	967	1710	4470	3830	6300	897	865	107	99
11	2350	1070	1130	962	1760	4660	3930	4440	815	568	132	104
12	6980	984	1160	890	1730	3210	3140	5110	849	582	154	101
13	8480	922	1280	872	1730	2570	3310	20700	1410	430	178	107
14	9580	904	2720	858	1540	2240	4430	25600	1740	352	203	156
15	9170	919	5510	832	1330	2070	6240	23300	1530	280	231	197
16	9610	855	6470	802	1310	3000	6350	14200	1300	228	194	174
17	9290	829	7980	778	1250	3090	4300	6670	936	355	144	166
18	8380	855	11200	755	1170	2870	3050	4750	771	390	130	250
19	5760	787	11400	775	1070	2350	2410	3690	693	379	1030	316
20	4110	775	8300	884	1740	2020	2240	3020	613	416	981	1800
21	3190	748	4940	757	2420	1890	3180	2520	533	392	492	1600
22	2610	705	3670	734	2740	1740	3450	2120	488	334	301	716
23	2400	703	3210	742	2080	1550	3620	1930	466	277	272	423
24	5600	864	2750	781	1720	1470	3060	1860	488	243	499	273
25	10500	1050	2380	788	1610	3110	3380	1820	1220	206	451	193
26	11600	1180	2060	777	2170	3300	2530	2290	1810	162	348	158
27	10700	1410	1830	788	1960	3000	2920	2100	2610	193	245	637
28	5530	1280	1620	794	1810	3630	9350	2000	4240	287	179	507
29	3780	1770	1570	794	---	5340	11600	2150	2660	336	127	408
30	2890	4720	1410	1240	---	9330	9270	2070	1650	358	116	317
31	2480	---	1190	2990	---	11300	---	1620	---	267	150	---
TOTAL	148528	38820	112900	29617	85810	105750	141330	183790	39412	12954	8021	9810
MEAN	4791	1294	3642	955.4	3065	3411	4711	5929	1314	417.9	258.7	327.0
MAX	11600	4720	11400	2990	12100	11300	11600	25600	4240	1020	1030	1800
MIN	315	703	1130	734	1070	1470	2240	1620	466	162	107	99
CFSM	2.93	0.79	2.23	0.58	1.87	2.09	2.88	3.63	0.80	0.26	0.16	0.20
IN.	3.38	0.88	2.57	0.67	1.95	2.41	3.22	4.18	0.90	0.29	0.18	0.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2002, BY WATER YEAR (WY)

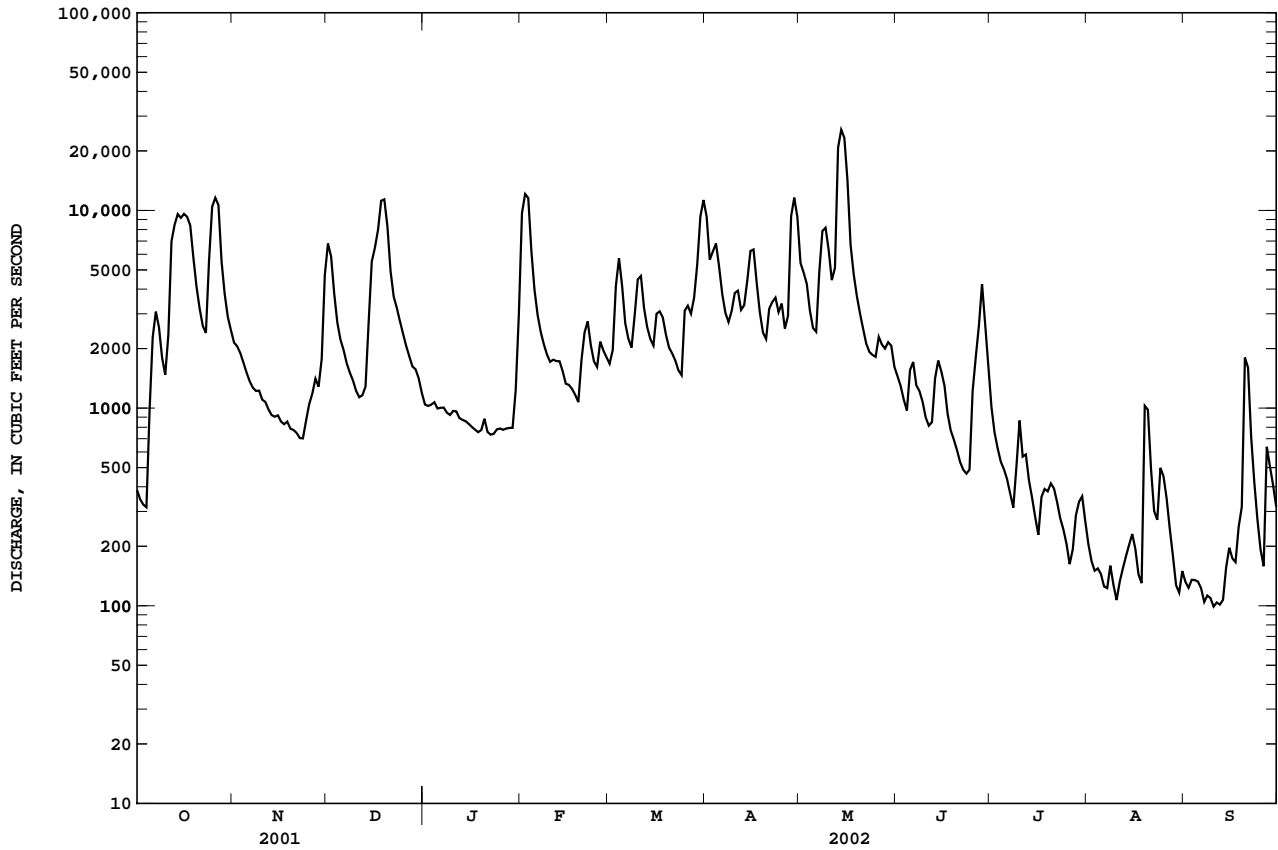
	MEAN	MAX	MIN	(WY)	(WY)	(WY)	(WY)	(WY)	(WY)	(WY)	(WY)	(WY)
MEAN	481.4	912.5	1385	1902	2133	2677	2675	1946	1475	889.1	530.1	422.7
MAX	4791	6425	5826	12120	6452	6610	7777	8594	7910	4259	3399	5063
(WY)	2002	1994	1991	1950	1950	1963	1964	1943	1958	1992	1979	1989
MIN	70.1	110	77.3	78.4	178	207	274	113	126	90.3	42.5	31.5
(WY)	1941	1935	1964	1977	1964	1941	1941	1941	1988	1936	1941	1941

WABASH RIVER BASIN

03353000 WHITE RIVER AT INDIANAPOLIS, IN--Continued

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1931 - 2002	
ANNUAL TOTAL	634252		916742		1448	
ANNUAL MEAN	1738		2512		2698	
HIGHEST ANNUAL MEAN					233	
LOWEST ANNUAL MEAN					1941	
HIGHEST DAILY MEAN	11600	Oct 26	25600	May 14	36800	Dec 31 1990
LOWEST DAILY MEAN	184	Aug 16	99	Sep 10	8.0	Sep 29 1941
ANNUAL SEVEN-DAY MINIMUM	216	Aug 12	105	Sep 7	12	Sep 24 1941
MAXIMUM PEAK FLOW			26200	May 14	38000	Dec 31 1990
MAXIMUM PEAK STAGE			16.63	May 14	21.57	Jan 16 1937
ANNUAL RUNOFF (CFSM)	1.06		1.54		0.89	
ANNUAL RUNOFF (INCHES)	14.43		20.86		12.03	
10 PERCENT EXCEEDS	3790		6240		3350	
50 PERCENT EXCEEDS	1070		1470		654	
90 PERCENT EXCEEDS	375		187		147	

e Estimated



03353120 PLEASANT RUN AT ARLINGTON AVENUE AT INDIANAPOLIS, IN

LOCATION.--Lat 39°46'33", long 86°03'50", in SW¹/₄NW¹/₄ 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 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.84	2.5	12	e1.3	90	e4.8	6.2	14	4.5	2.1	0.92	0.80
2	0.91	15	6.7	e1.3	14	36	17	9.8	2.0	1.8	0.95	e0.80
3	1.2	4.1	5.0	e1.2	8.8	23	14	5.0	1.6	1.6	0.87	e0.80
4	1.5	2.7	4.1	e1.2	6.2	e9.0	6.3	3.8	4.7	1.5	0.84	e0.79
5	28	2.4	3.5	e1.2	4.9	5.6	4.7	3.2	21	1.3	0.90	e0.79
6	8.8	2.1	5.6	e1.7	4.0	5.3	3.9	12	5.5	1.2	0.94	e0.78
7	2.2	2.0	3.7	e1.6	3.2	4.3	3.6	64	2.7	1.1	0.92	e0.78
8	1.4	2.2	3.0	e1.5	2.6	3.8	8.8	52	1.9	1.1	1.0	e0.77
9	1.1	2.4	2.6	e2.2	2.4	47	21	25	1.7	14	0.81	e0.77
10	26	2.0	2.3	2.2	5.6	12	6.0	8.9	1.5	4.8	0.88	e0.77
11	79	1.9	2.1	1.7	4.5	7.0	4.4	5.7	2.7	1.8	0.90	e0.76
12	64	1.8	9.0	1.5	2.7	5.8	17	114	2.0	1.4	0.90	e0.76
13	14	1.8	13	1.4	2.2	5.0	16	238	39	1.2	0.98	e0.76
14	84	1.9	64	1.3	1.9	4.2	23	20	6.3	1.2	1.6	e0.78
15	16	1.8	15	1.3	1.8	16	9.5	9.5	15	1.1	1.2	e1.8
16	43	1.8	21	1.3	1.7	16	5.4	8.0	6.0	1.1	1.2	1.3
17	12	1.8	130	1.2	1.6	6.5	4.2	8.5	2.5	22	1.0	1.7
18	6.6	1.7	27	1.2	1.4	5.0	3.5	4.9	1.9	2.8	1.0	10
19	4.7	1.8	11	1.4	5.5	4.4	3.6	3.9	1.7	1.6	26	6.4
20	3.7	1.9	6.4	1.4	4.6	13	3.0	3.6	1.4	1.2	2.1	108
21	3.3	1.8	4.6	1.3	13	5.7	47	3.0	1.3	1.1	1.3	11
22	3.2	1.7	8.2	1.3	5.9	4.1	9.3	2.8	1.8	1.1	1.2	2.7
23	9.3	1.6	9.3	1.4	4.1	3.7	4.9	2.5	1.1	1.5	4.1	1.6
24	127	21	4.4	5.2	3.3	3.6	64	8.4	1.1	1.1	4.3	1.3
25	33	9.5	3.4	2.2	5.1	78	32	4.4	51	1.0	3.1	1.2
26	9.8	3.7	2.9	1.9	25	32	8.5	2.8	10	1.0	1.4	1.2
27	5.7	16	2.6	1.7	7.5	31	90	2.2	87	1.0	1.0	35
28	4.2	16	2.4	1.7	e5.8	22	63	2.0	14	0.97	1.0	3.6
29	3.5	41	2.0	8.3	---	29	12	2.9	4.2	5.8	0.97	2.0
30	3.0	67	1.7	20	---	17	7.2	2.0	2.7	2.1	0.89	1.6
31	2.8	---	e1.5	120	---	8.7	---	2.7	---	1.1	0.83	---
TOTAL	603.75	234.9	390.0	194.1	280.7	468.5	519.0	649.5	299.8	83.67	66.00	201.31
MEAN	19.48	7.830	12.58	6.261	10.03	15.11	17.30	20.95	9.993	2.699	2.129	6.710
MAX	127	67	130	120	90	78	90	238	87	22	26	108
MIN	0.84	1.6	1.5	1.2	1.4	3.6	3.0	2.0	1.1	0.97	0.81	0.76
CFSM	2.57	1.03	1.66	0.83	1.32	1.99	2.28	2.76	1.32	0.36	0.28	0.89
IN.	2.96	1.15	1.91	0.95	1.38	2.30	2.55	3.19	1.47	0.41	0.32	0.99

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2002, BY WATER YEAR (WY)

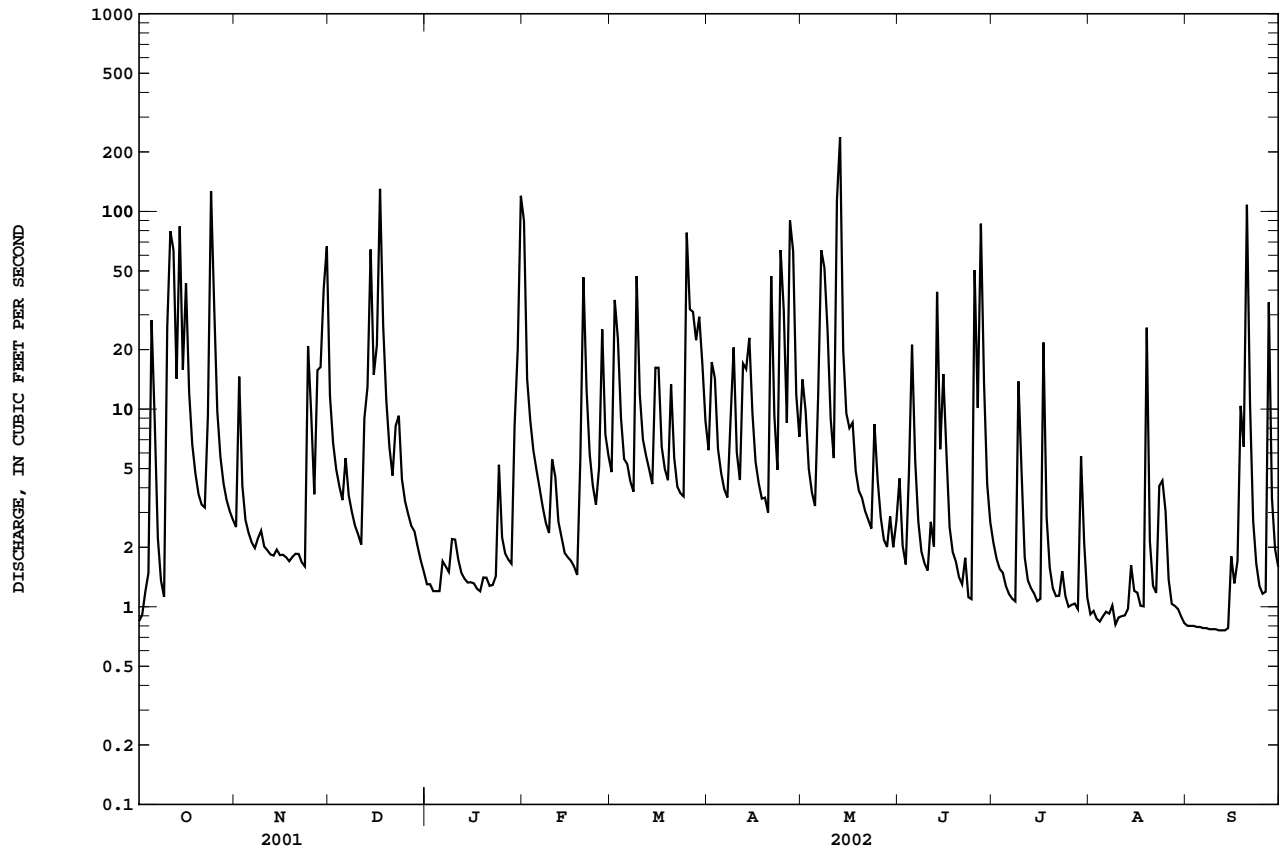
	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MEAN	4.668	8.646	8.523	7.775	8.730	12.71	11.32	10.42	7.787	8.304	4.908	4.380																															
MAX	27.5	36.9	33.3	25.0	25.7	42.3	28.5	37.8	49.2	33.8	21.3	23.2																															
(WY)	1987	1994	1991	1969	1971	1963	1961	1996	1998	1979	1979	1989																															
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																															

SUMMARY STATISTICS

	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1960 - 2002	
ANNUAL TOTAL	3054.42		3991.23		8.195	
ANNUAL MEAN	8.368		10.93		11.6	
HIGHEST ANNUAL MEAN					3.25	
LOWEST ANNUAL MEAN					1.08	
HIGHEST DAILY MEAN	130	Dec 17	238	May 13	574	Mar 4 1963
LOWEST DAILY MEAN	0.35	Aug 12	e0.76	Sep 11	0.00	Sep 11 1960
ANNUAL SEVEN-DAY MINIMUM	0.45	Aug 10	e0.77	Sep 7	0.00	Oct 5 1960
MAXIMUM PEAK FLOW			819	Jun 27	2600	Jun 25 1978
MAXIMUM PEAK STAGE			7.47	Jun 27	13.86	Jun 25 1978
ANNUAL RUNOFF (CFSM)	1.10		1.44		1.08	
ANNUAL RUNOFF (INCHES)	14.99		19.59		14.69	
10 PERCENT EXCEEDS	18		26		17	
50 PERCENT EXCEEDS	1.9		3.2		1.9	
90 PERCENT EXCEEDS	0.65		1.0		0.50	

e Estimated

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



03353200 EAGLE CREEK AT ZIONSVILLE, IN

LOCATION.--Lat 39°56'47", long 86°15'37", in NE¹/₄SE¹/₄ 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 for 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 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.6	78	312	e43	1680	122	246	211	61	110	7.3	5.8
2	5.5	74	177	e38	596	236	239	514	50	84	6.8	5.3
3	5.3	72	132	e35	348	509	481	265	44	65	6.0	4.8
4	5.1	58	106	e33	223	e210	238	168	55	52	5.4	4.5
5	120	51	89	e32	152	138	173	129	383	42	5.4	4.5
6	248	47	79	e33	124	127	142	137	133	33	4.8	4.0
7	110	43	70	e34	109	116	120	926	86	28	4.1	3.7
8	57	41	63	e36	95	104	137	785	66	26	3.7	3.6
9	35	38	51	37	86	585	201	598	54	44	3.5	3.2
10	28	36	45	38	87	490	157	315	47	61	3.3	2.9
11	221	34	41	35	105	232	129	189	47	32	3.0	2.4
12	1430	29	41	32	104	179	127	1370	49	25	3.3	2.5
13	588	27	73	34	84	153	199	4010	220	21	3.5	2.1
14	1250	27	509	33	72	129	249	930	296	19	4.0	2.2
15	645	27	566	32	71	129	217	438	141	17	4.0	2.0
16	936	26	365	29	64	405	147	240	106	14	3.5	2.2
17	604	24	1500	29	57	217	118	192	75	13	3.2	2.1
18	330	23	811	28	49	156	101	142	59	12	3.1	2.3
19	226	24	438	27	59	127	90	111	49	13	191	4.0
20	167	24	259	27	344	125	78	94	41	12	77	104
21	132	22	187	28	417	111	187	80	36	9.6	23	88
22	109	22	156	27	216	94	185	72	32	8.7	13	24
23	210	21	150	27	154	87	122	65	29	8.9	70	12
24	950	27	126	29	124	81	114	58	27	8.4	69	8.9
25	783	51	104	27	109	252	183	150	36	7.7	35	7.1
26	356	37	93	26	153	219	126	169	1150	11	18	6.4
27	208	35	85	26	150	212	352	102	932	10	12	23
28	151	32	78	25	130	490	1790	225	738	10	9.4	21
29	122	72	66	31	---	958	581	212	254	13	7.9	14
30	100	564	e55	111	---	967	310	97	149	11	7.1	9.9
31	88	---	e48	595	---	422	---	73	---	9.0	6.4	---
TOTAL	10226.5	1686	6875	1617	5962	8382	7539	13067	5445	830.3	616.7	382.4
MEAN	329.9	56.20	221.8	52.16	212.9	270.4	251.3	421.5	181.5	26.78	19.89	12.75
MAX	1430	564	1500	595	1680	967	1790	4010	1150	110	191	104
MIN	5.1	21	41	25	49	81	78	58	27	7.7	3.0	2.0
CFSM	3.11	0.53	2.09	0.49	2.01	2.55	2.37	3.98	1.71	0.25	0.19	0.12
IN.	3.59	0.59	2.41	0.57	2.09	2.94	2.65	4.59	1.91	0.29	0.22	0.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2002, BY WATER YEAR (WY)

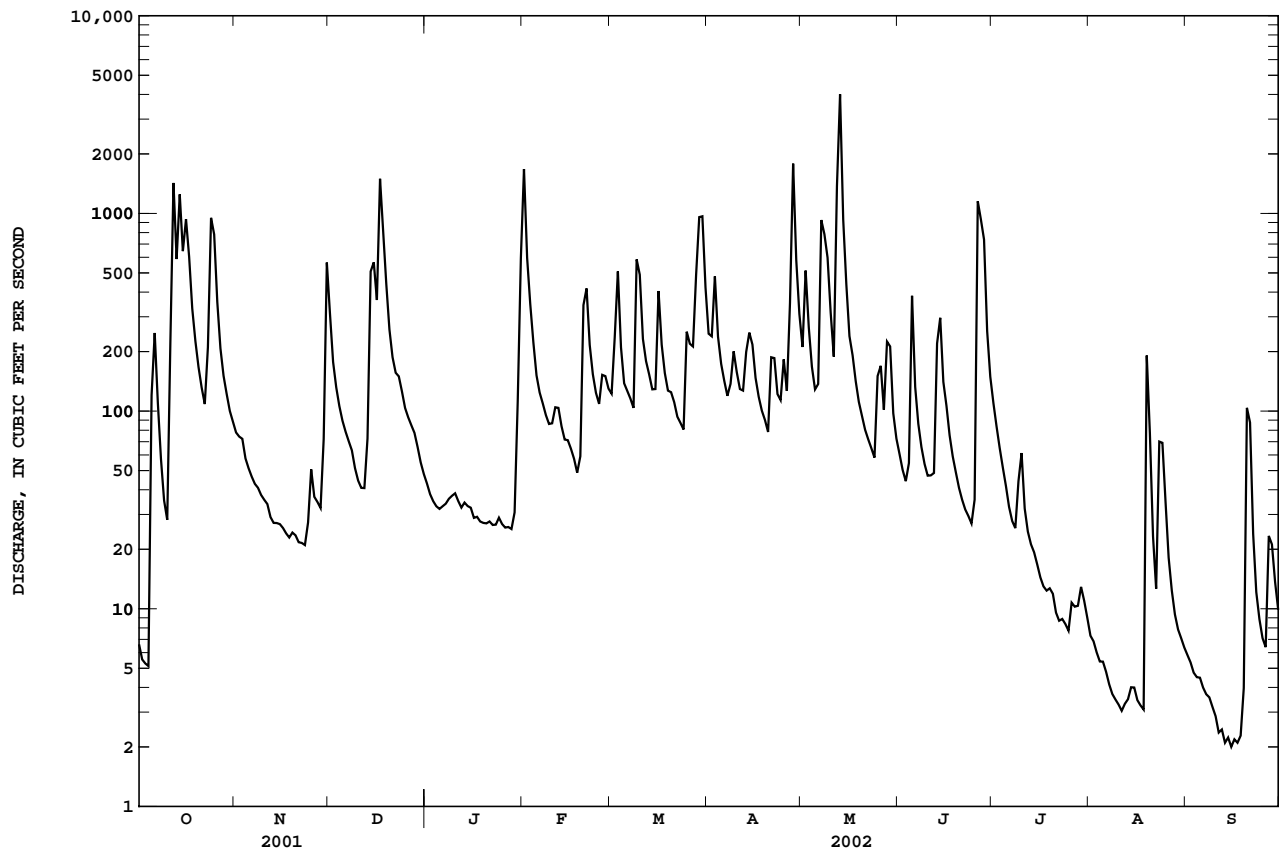
	MEAN	27.55	82.79	121.9	115.4	149.3	191.7	172.9	112.0	94.30	58.76	34.37	20.67
MAX	330	542	530	452	423	459	532	456	523	520	444	332	
(WY)	2002	1993	1991	1974	1976	1963	1964	1996	1958	1979	1958	1989	
MIN	0.000	0.80	1.65	1.23	9.05	23.9	24.6	12.0	1.55	1.52	0.000	0.000	
(WY)	1967	2000	1977	1977	1964	2000	2000	1988	1988	1966	1966	1966	

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1958 - 2002

ANNUAL TOTAL	39311.0	62628.9	
ANNUAL MEAN	107.7	171.6	98.15
HIGHEST ANNUAL MEAN			188
LOWEST ANNUAL MEAN			15.9
HIGHEST DAILY MEAN	1500	Dec 17	4010
LOWEST DAILY MEAN	2.1	Sep 6	2.0
ANNUAL SEVEN-DAY MINIMUM	3.1	Aug 31	2.2
MAXIMUM PEAK FLOW			5550
MAXIMUM PEAK STAGE			11.25
ANNUAL RUNOFF (CFSM)	1.02		1.62
ANNUAL RUNOFF (INCHES)	13.80		21.98
10 PERCENT EXCEEDS	251		438
50 PERCENT EXCEEDS	45		72
90 PERCENT EXCEEDS	7.4		5.7

e Estimated

03353200 EAGLE CREEK AT ZIONSVILLE, IN--Continued



03353450 EAGLE CREEK RESERVOIR NEAR INDIANAPOLIS, IN

LOCATION.--Lat 39°49'20", long 86°18'11", in NW¹/₄NW¹/₄ 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, 30,580 acre-ft Dec. 30, 1990, elevation, 794.61 ft; minimum, 11,390 acre-ft Nov. 17-18, 1991, elevation, 778.70 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 27,530 acre-ft May 13, elevation, 792.52 ft; minimum, 22,340 acre-ft Sept. 19, elevation, 788.72 ft.

MONTHEND ELEVATION AND CONTENTS, AT 2400, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	789.51	23,360	
Oct. 31	789.10	22,830	-530
Nov. 30	789.38	23,190	+360
Dec. 31	788.99	22,690	-500
CAL YR 2001	--	--	+1380
Jan. 31	789.51	23,360	+670
Feb. 28	789.49	23,340	-20
Mar. 31	790.07	24,100	+760
Apr. 30	790.96	25,340	+1240
May 31	790.91	25,270	-70
June 30	791.04	25,460	+190
July 31	790.74	25,040	-420
Aug. 31	790.06	24,080	-960
Sept. 30	789.39	23,210	-870
WTR YR 2002	--	--	-150

03353451 EAGLE CREEK BELOW RESERVOIR AT INDIANAPOLIS, IN

LOCATION.--Lat 39°49'20", long 86°18'11", in NW¹/₄NW¹/₄ 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 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	11	---	---	---	---	---	---	11	11
2	---	---	---	10	---	---	---	---	---	15	12	11
3	11	---	---	---	---	---	---	---	9.4	15	11	11
4	10	---	---	---	---	---	---	---	9.9	15	11	12
5	---	15	---	---	---	---	---	---	---	16	13	11
6	---	14	---	---	---	---	---	---	---	17	13	15
7	---	14	---	9.7	---	---	---	---	---	15	14	17
8	---	---	---	9.7	---	---	---	---	---	15	14	15
9	---	---	---	---	---	---	---	---	---	16	13	14
10	---	---	12	---	---	---	---	---	12	---	13	14
11	---	---	---	---	---	---	---	---	12	---	12	14
12	---	12	---	9.5	---	---	---	---	---	---	11	13
13	---	11	---	10	---	---	---	---	---	15	12	12
14	---	---	---	10	---	---	---	---	---	14	12	12
15	---	---	---	11	---	---	---	---	---	14	12	12
16	---	10	---	11	---	---	---	---	---	13	11	13
17	---	---	---	12	---	---	---	---	---	13	11	14
18	---	---	---	12	---	---	---	---	---	13	11	13
19	---	11	---	---	---	---	---	---	---	13	12	13
20	---	12	---	---	---	---	---	---	---	12	11	13
21	---	11	---	9.9	---	---	---	---	12	11	11	13
22	---	11	---	10	---	---	---	---	12	12	10	15
23	---	10	---	9.0	---	---	---	---	12	13	11	14
24	---	---	---	10	---	---	---	---	12	13	11	14
25	---	---	---	10	---	---	---	---	---	13	12	13
26	---	14	---	10	---	---	---	---	---	13	11	13
27	---	---	---	---	---	---	---	---	---	12	11	13
28	---	---	11	10	---	---	---	---	---	12	11	13
29	---	---	---	9.9	---	---	---	---	---	12	11	12
30	---	---	---	---	---	---	---	---	---	11	12	12
31	---	---	11	---	---	---	---	---	---	11	11	---
TOTAL	21	145	34	194.7	---	---	---	---	91.3	364	362	392
MEAN	10.50	12.08	11.33	10.25	---	---	---	---	11.41	13.48	11.68	13.07
MAX	11	15	12	12	---	---	---	---	12	17	14	17
MIN	10	10	11	9.0	---	---	---	---	9.4	11	10	11
CFSM	0.06	0.07	0.07	0.06	---	---	---	---	0.07	0.08	0.07	0.08
IN.	0.00	0.03	0.01	0.04	---	---	---	---	0.02	0.08	0.08	0.09

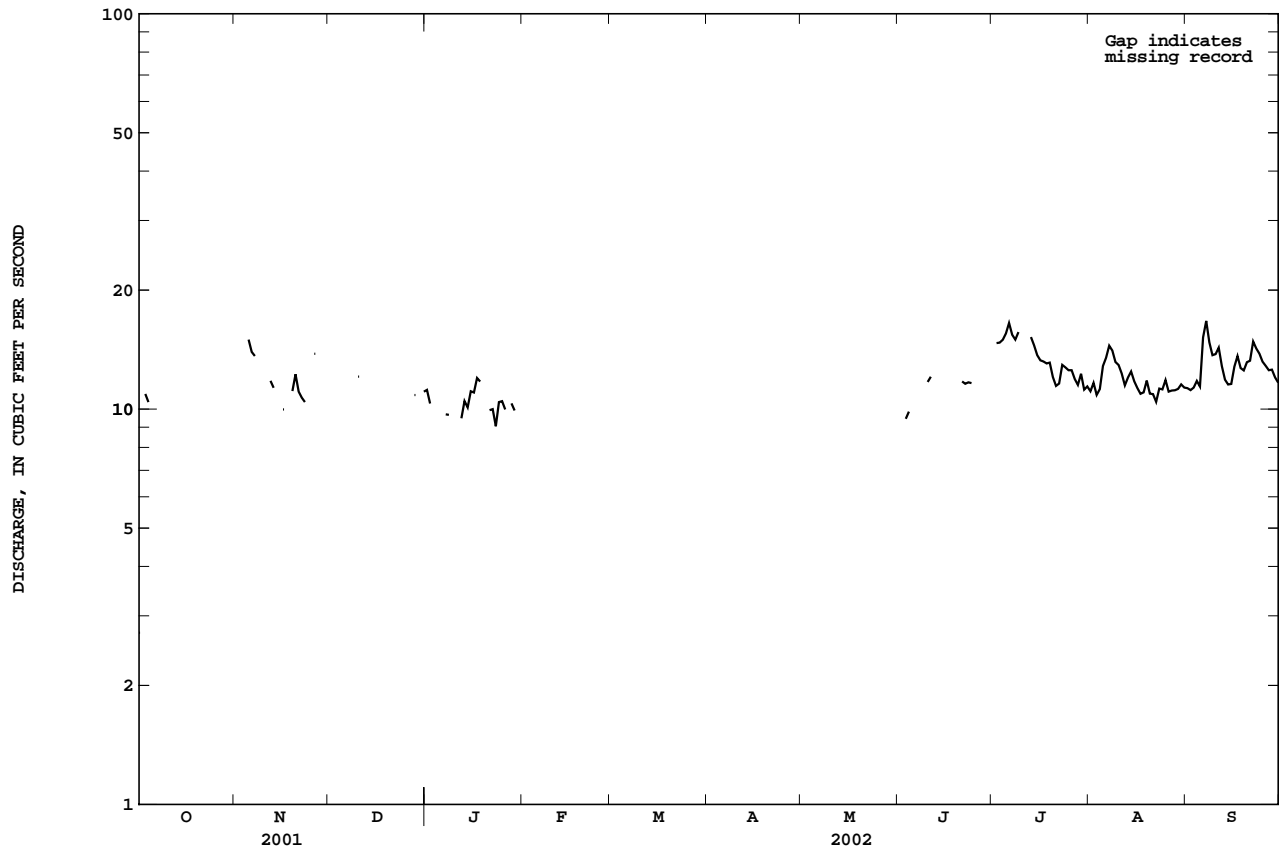
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2002, BY WATER YEAR (WY)

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	
MEAN	8.549	8.787	8.746	9.198	9.369	10.86	14.50	12.35	10.94	10.47	8.850	8.926
MAX	11.8	12.6	12.0	13.3	12.0	16.0	24.2	23.0	14.4	13.5	13.0	13.1
(WY)	2001	2001	1997	1997	1997	1997	1996	1996	1997	2002	1999	2002
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 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1992 - 2002	
ANNUAL TOTAL	1950.0		1604.0			
ANNUAL MEAN	11.75		12.15		9.754	
HIGHEST ANNUAL MEAN					13.1	
LOWEST ANNUAL MEAN					4.34	
HIGHEST DAILY MEAN	18	May 24	17	Jul 6	34	Apr 5 1996
LOWEST DAILY MEAN	9.6	Mar 28	9.0	Jan 23	2.0	Sep 14 1994
ANNUAL SEVEN-DAY MINIMUM	10	Mar 31	11	Jan 12	2.3	Sep 8 1994
ANNUAL RUNOFF (CFSM)	0.073		0.075		0.060	
ANNUAL RUNOFF (INCHES)	0.45		0.37		0.82	
10 PERCENT EXCEEDS	14		15		14	
50 PERCENT EXCEEDS	11		12		11	
90 PERCENT EXCEEDS	10		10		4.0	

03353451 EAGLE CREEK BELOW RESERVOIR AT INDIANAPOLIS, IN--Continued



WABASH RIVER BASIN

03353500 EAGLE CREEK AT INDIANAPOLIS, IN

LOCATION.--Lat 39°46'33", long 86°15'01", in NW¹/₄NW¹/₄ 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 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	332	e247	e397	20	2130	254	119	514	165	143	13	10
2	249	e248	e308	19	1200	530	210	685	158	35	13	10
3	23	e253	e305	80	1050	496	803	461	32	31	12	9.9
4	20	e154	e118	106	391	556	446	187	28	31	11	11
5	154	e32	217	62	116	416	239	241	574	28	14	11
6	164	e29	233	60	171	106	306	315	517	29	15	12
7	262	e29	114	19	171	104	199	1310	195	25	17	21
8	486	e202	115	18	169	182	294	1760	193	21	16	16
9	358	e244	109	84	167	700	358	1100	200	65	15	15
10	155	e130	22	140	164	1060	309	450	43	200	15	14
11	491	e41	95	72	165	429	170	531	35	120	14	15
12	1650	e25	127	16	161	229	269	880	117	71	12	e14
13	1570	e24	65	17	162	226	250	7290	477	24	14	e13
14	1790	e192	459	16	89	224	419	2440	721	22	13	e12
15	1310	e175	1410	17	36	239	496	916	615	20	13	e14
16	1210	e21	750	17	114	516	151	490	247	19	12	e15
17	1210	e52	1670	17	88	593	248	439	141	19	11	e16
18	576	e147	1630	17	98	572	139	369	142	18	12	e14
19	251	e23	628	120	47	302	80	294	141	20	e13	e16
20	326	e26	520	154	147	110	282	244	88	21	e12	e30
21	320	e25	465	17	452	110	403	124	34	16	e12	e50
22	269	e23	405	16	488	110	459	59	32	15	12	e19
23	260	e23	390	15	138	106	188	136	31	22	12	e15
24	e980	e168	207	16	136	106	197	315	40	17	14	e15
25	e1450	e150	149	16	354	443	443	237	350	16	14	e14
26	e736	e38	183	15	497	639	270	177	1460	15	15	e15
27	461	e201	94	56	268	438	488	237	1220	14	18	e24
28	218	e141	24	17	260	550	2490	325	1380	12	16	e14
29	205	e198	215	17	---	1220	1520	507	566	15	13	e13
30	e72	e472	98	182	---	1510	621	256	396	15	9.9	e13
31	e246	---	21	755	---	980	---	109	---	14	9.7	---
TOTAL	17804	3733	11543	2193	9429	14056	12866	23398	10338	1133	412.6	480.9
MEAN	574.3	124.4	372.4	70.74	336.8	453.4	428.9	754.8	344.6	36.55	13.31	16.03
MAX	1790	472	1670	755	2130	1510	2490	7290	1460	200	18	50
MIN	20	21	21	15	36	104	80	59	28	12	9.7	9.9
CFSM	3.30	0.72	2.14	0.41	1.94	2.61	2.46	4.34	1.98	0.21	0.08	0.09
IN.	3.81	0.80	2.47	0.47	2.02	3.01	2.75	5.00	2.21	0.24	0.09	0.10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2002, BY WATER YEAR (WY)

	MEAN	40.66	111.1	163.9	201.1	241.0	301.2	298.4	216.8	150.5	84.24	38.30	38.77
MAX	574	851	906	1485	765	900	906	1127	904	800	490	625	
(WY)	2002	1993	1991	1950	1976	1978	1964	1943	1957	1979	1958	1989	
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	

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

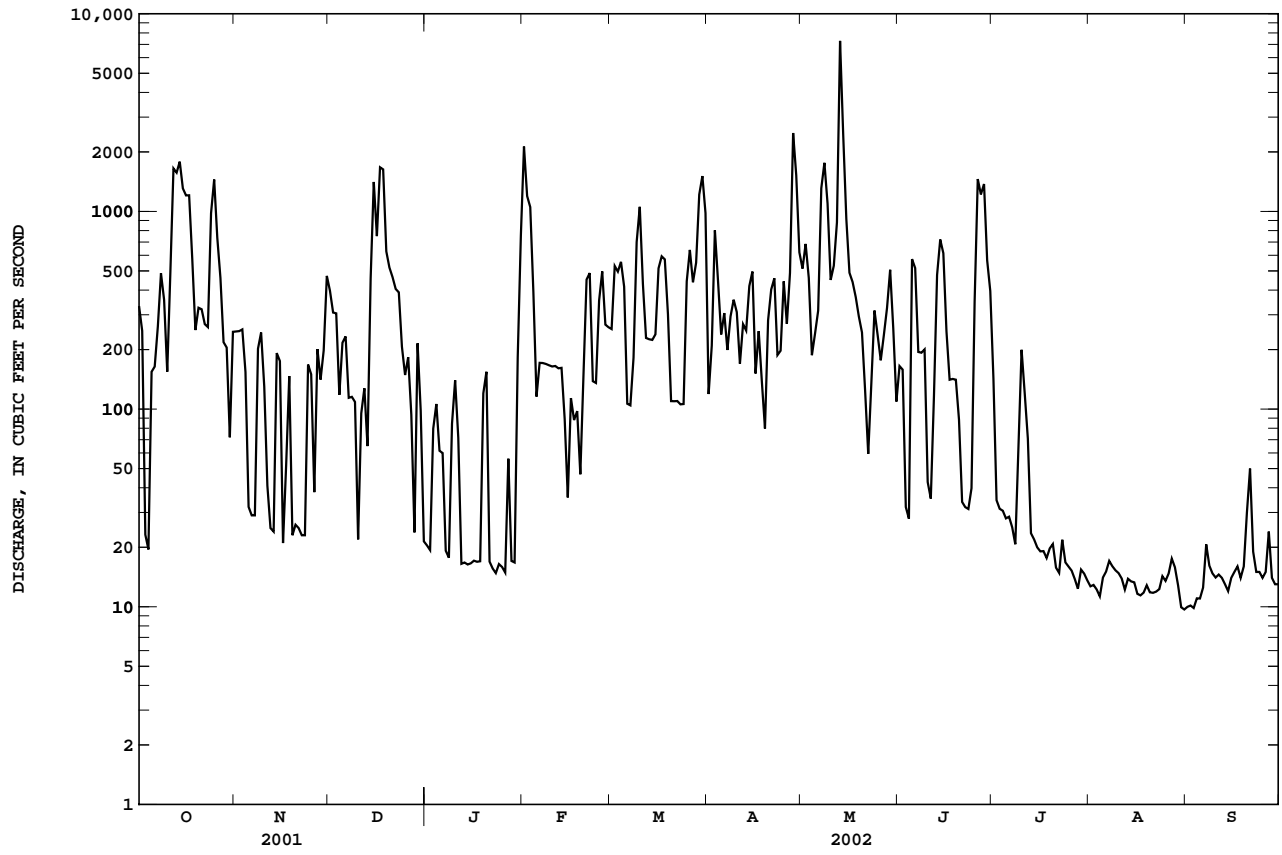
FOR 2002 WATER YEAR

WATER YEARS 1939 - 2002

ANNUAL TOTAL	66035	107386.5		
ANNUAL MEAN	180.9	294.2	156.8	
HIGHEST ANNUAL MEAN			316	1974
LOWEST ANNUAL MEAN			18.8	1941
HIGHEST DAILY MEAN	1790	Oct 14	7290	May 13
LOWEST DAILY MEAN	10	Jun 29	9.7	Aug 31
ANNUAL SEVEN-DAY MINIMUM	11	Aug 11	10	Aug 30
MAXIMUM PEAK FLOW			9560	May 13
MAXIMUM PEAK STAGE			12.98	May 13
ANNUAL RUNOFF (CFSM)	1.04		1.69	0.90
ANNUAL RUNOFF (INCHES)	14.12		22.96	12.24
10 PERCENT EXCEEDS	442		691	354
50 PERCENT EXCEEDS	70		141	38
90 PERCENT EXCEEDS	13		14	6.0

e Estimated

03353500 EAGLE CREEK AT INDIANAPOLIS, IN--Continued



03353560 GUION CREEK ABOVE 52ND STREET AT INDIANAPOLIS, IN

LOCATION.--Lat 39°50'45", long 86°13'57", in NW¹/₄SW¹/₄ sec.08., T.16 N., R.3 E., Marion County, Hydrologic Unit 05120201, (INDIANAPOLIS WEST, IN quadrangle), on right bank 25 ft upstream from private bridge at Indianapolis, 0.2 mi north of West 52nd Street along Guion Road, 0.25 mi south of 56th Street on Guion Road, and 1.25 mi upstream of the confluence with Little Eagle Creek.

DRAINAGE AREA.--4.10 mi².

PERIOD OF RECORD.--October 1989 to December 2001 (discontinued).

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

GAGE.--Water-stage recorder. Datum of gage is 760.11 ft above National Geodetic Vertical Datum of 1929.

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.65	2.7	14	---	---	---	---	---	---	---	---	---
2	0.66	3.4	7.6	---	---	---	---	---	---	---	---	---
3	0.68	2.8	4.7	---	---	---	---	---	---	---	---	---
4	0.70	2.3	3.4	---	---	---	---	---	---	---	---	---
5	16	2.0	2.7	---	---	---	---	---	---	---	---	---
6	9.0	1.8	2.5	---	---	---	---	---	---	---	---	---
7	5.3	1.7	2.2	---	---	---	---	---	---	---	---	---
8	3.3	1.7	1.9	---	---	---	---	---	---	---	---	---
9	2.3	1.7	1.7	---	---	---	---	---	---	---	---	---
10	7.5	1.5	1.5	---	---	---	---	---	---	---	---	---
11	31	1.3	1.4	---	---	---	---	---	---	---	---	---
12	69	1.2	2.2	---	---	---	---	---	---	---	---	---
13	22	1.1	4.0	---	---	---	---	---	---	---	---	---
14	48	1.1	28	---	---	---	---	---	---	---	---	---
15	20	0.99	16	---	---	---	---	---	---	---	---	---
16	23	0.97	13	---	---	---	---	---	---	---	---	---
17	13	0.95	50	---	---	---	---	---	---	---	---	---
18	8.9	1.0	24	---	---	---	---	---	---	---	---	---
19	6.6	1.00	13	---	---	---	---	---	---	---	---	---
20	4.8	1.1	6.3	---	---	---	---	---	---	---	---	---
21	3.5	0.89	3.8	---	---	---	---	---	---	---	---	---
22	2.9	0.79	3.0	---	---	---	---	---	---	---	---	---
23	6.2	0.75	3.0	---	---	---	---	---	---	---	---	---
24	57	3.7	2.0	---	---	---	---	---	---	---	---	---
25	45	2.3	1.6	---	---	---	---	---	---	---	---	---
26	16	1.5	1.3	---	---	---	---	---	---	---	---	---
27	10	2.3	1.00	---	---	---	---	---	---	---	---	---
28	6.9	2.8	0.87	---	---	---	---	---	---	---	---	---
29	4.8	10	0.74	---	---	---	---	---	---	---	---	---
30	3.5	31	e0.64	---	---	---	---	---	---	---	---	---
31	3.0	---	e0.54	---	---	---	---	---	---	---	---	---
TOTAL	451.19	88.34	218.59	---	---	---	---	---	---	---	---	---
MEAN	14.55	2.945	7.051	---	---	---	---	---	---	---	---	---
MAX	69	31	50	---	---	---	---	---	---	---	---	---
MIN	0.65	0.75	0.54	---	---	---	---	---	---	---	---	---
CFSM	3.55	0.72	1.72	---	---	---	---	---	---	---	---	---
IN.	4.09	0.80	1.98	---	---	---	---	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2002, BY WATER YEAR (WY)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MEAN	2.940	5.693	4.250	5.954	5.613	6.114	7.061	7.200	5.850	3.441	1.405	2.257	
MAX	14.6	20.8	19.6	16.2	16.4	12.5	12.1	21.4	26.2	10.5	3.32	9.04	
(WY)	2002	1994	1991	1999	1990	1991	1996	1996	1998	1992	1993	1993	
MIN	0.15	0.21	0.52	0.88	1.17	1.62	1.98	1.18	0.56	0.33	0.15	0.17	
(WY)	1995	2000	1990	2000	1995	2001	1995	2001	1991	1991	1991	1991	

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

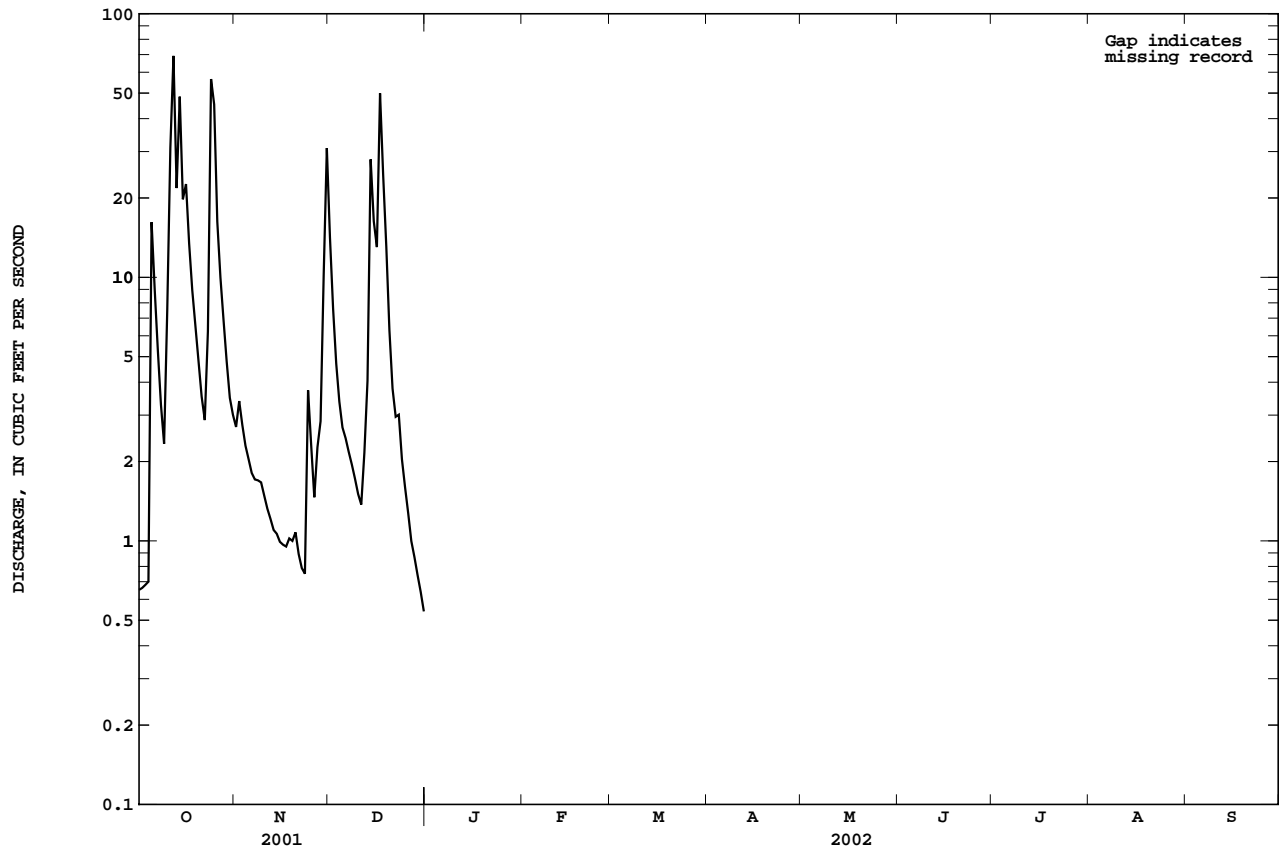
FOR 2002 WATER YEAR

WATER YEARS 1990 - 2002

ANNUAL TOTAL	1547.24	758.12		
ANNUAL MEAN	4.239	8.240	4.794	
HIGHEST ANNUAL MEAN			8.24	2002
LOWEST ANNUAL MEAN			2.87	1995
HIGHEST DAILY MEAN	69	Oct 12	283	Nov 14 1993
LOWEST DAILY MEAN	0.13	Jun 30	0.00	Aug 28 1991
ANNUAL SEVEN-DAY MINIMUM	0.23	Apr 29	0.00	Aug 30 1998
MAXIMUM PEAK FLOW			164	Oct 24 1993
MAXIMUM PEAK STAGE			4.22	Oct 24 1990
ANNUAL RUNOFF (CFSM)	1.03		2.01	1.17
ANNUAL RUNOFF (INCHES)	14.04		6.88	15.89
10 PERCENT EXCEEDS	9.4		24	10
50 PERCENT EXCEEDS	1.4		2.8	1.4
90 PERCENT EXCEEDS	0.45		0.81	0.16

e Estimated

03353560 GUION CREEK ABOVE 52ND STREET AT INDIANAPOLIS, IN--Continued



03353583 FALCON CREEK AT 30TH ST. AT INDIANAPOLIS, IN

LOCATION.--Lat 39°48'33", long 86°13'56", in NW¹/₄NW¹/₄ sec.29, T.16 N., R.03 E., Marion County, Hydrologic Unit 05120201, (INDIANAPOLIS WEST, IN quadrangle), on left bank, 150 ft downstream from bridge on West 30th Street at Indianapolis, 0.5 mi north of Indianapolis Motor Speedway, 0.6 mi west of Lafayette Road, and 0.6 mi upstream of confluence with Little Eagle Creek.

DRAINAGE AREA.--4.15 mi².

PERIOD OF RECORD.--October 1989 to December 2001 (discontinued).

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

GAGE.--Water-stage recorder. Datum of gage is 727.27 ft above National Geodetic Vertical Datum of 1929.

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.20	1.7	7.0	---	---	---	---	---	---	---	---	---
2	0.23	3.5	3.7	---	---	---	---	---	---	---	---	---
3	0.39	2.1	2.7	---	---	---	---	---	---	---	---	---
4	0.40	1.7	2.2	---	---	---	---	---	---	---	---	---
5	25	1.6	1.9	---	---	---	---	---	---	---	---	---
6	4.4	1.6	2.1	---	---	---	---	---	---	---	---	---
7	0.77	1.6	1.9	---	---	---	---	---	---	---	---	---
8	0.45	1.7	1.6	---	---	---	---	---	---	---	---	---
9	0.29	1.7	1.5	---	---	---	---	---	---	---	---	---
10	11	1.6	1.3	---	---	---	---	---	---	---	---	---
11	43	1.6	1.2	---	---	---	---	---	---	---	---	---
12	42	1.5	3.9	---	---	---	---	---	---	---	---	---
13	9.6	1.4	4.8	---	---	---	---	---	---	---	---	---
14	44	1.4	39	---	---	---	---	---	---	---	---	---
15	9.8	1.6	14	---	---	---	---	---	---	---	---	---
16	21	1.3	15	---	---	---	---	---	---	---	---	---
17	7.1	1.3	62	---	---	---	---	---	---	---	---	---
18	3.7	1.3	20	---	---	---	---	---	---	---	---	---
19	2.7	1.3	7.5	---	---	---	---	---	---	---	---	---
20	2.1	1.3	3.9	---	---	---	---	---	---	---	---	---
21	1.8	1.3	2.7	---	---	---	---	---	---	---	---	---
22	1.7	1.3	3.1	---	---	---	---	---	---	---	---	---
23	6.9	1.2	3.0	---	---	---	---	---	---	---	---	---
24	48	9.2	1.7	---	---	---	---	---	---	---	---	---
25	21	2.8	1.3	---	---	---	---	---	---	---	---	---
26	6.7	1.8	1.1	---	---	---	---	---	---	---	---	---
27	3.8	4.2	0.95	---	---	---	---	---	---	---	---	---
28	2.9	6.2	0.94	---	---	---	---	---	---	---	---	---
29	2.3	18	0.75	---	---	---	---	---	---	---	---	---
30	2.0	29	0.68	---	---	---	---	---	---	---	---	---
31	1.8	---	e0.64	---	---	---	---	---	---	---	---	---
TOTAL	327.03	107.8	214.06	---	---	---	---	---	---	---	---	---
MEAN	10.55	3.593	6.905	---	---	---	---	---	---	---	---	---
MAX	48	29	62	---	---	---	---	---	---	---	---	---
MIN	0.20	1.2	0.64	---	---	---	---	---	---	---	---	---
CFSM	2.54	0.87	1.66	---	---	---	---	---	---	---	---	---
IN.	2.93	0.97	1.92	---	---	---	---	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2002, BY WATER YEAR (WY)

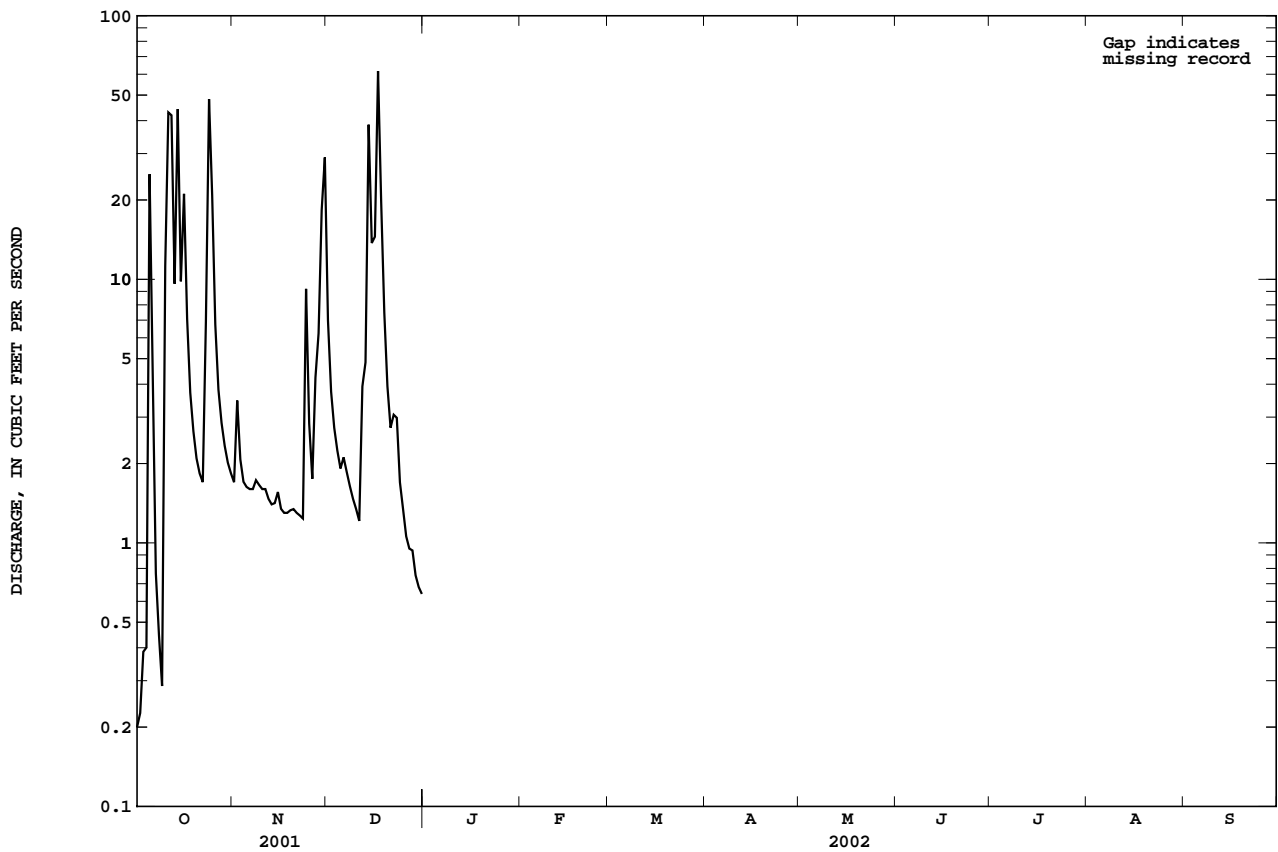
	MEAN	2.717	4.932	4.032	4.344	4.599	5.178	6.526	7.244	5.434	3.497	1.814	2.120
MAX	10.5	16.0	17.8	9.70	13.7	12.3	13.1	26.9	18.9	10.0	3.05	6.22	
(WY)	2002	1994	1991	1999	1990	1991	1996	1998	1998	1992	2000	1993	
MIN	0.31	0.57	0.73	1.44	0.89	1.03	1.91	1.57	0.82	0.61	0.30	0.52	
(WY)	1995	1998	1996	1992	1995	2001	1995	1992	1991	1991	1996	1991	

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1989 - 2002

ANNUAL TOTAL	1358.19	648.89	
ANNUAL MEAN	3.721	7.053	4.354
HIGHEST ANNUAL MEAN			7.05
LOWEST ANNUAL MEAN			2.66
HIGHEST DAILY MEAN	62	Dec 17	226
LOWEST DAILY MEAN	0.09	Aug 12	0.00
ANNUAL SEVEN-DAY MINIMUM	0.17	Aug 6	0.07
MAXIMUM PEAK FLOW			565
MAXIMUM PEAK STAGE			6.81
ANNUAL RUNOFF (CFSM)	0.90		1.05
ANNUAL RUNOFF (INCHES)	12.17		14.25
10 PERCENT EXCEEDS	8.9		9.5
50 PERCENT EXCEEDS	1.0		1.2
90 PERCENT EXCEEDS	0.26		0.26

e Estimated

03353583 FALCON CREEK AT 30TH ST. AT INDIANAPOLIS, IN--Continued



03353600 LITTLE EAGLE CREEK AT SPEEDWAY, IN

LOCATION.--Lat 39°47'15", long 86°13'41", in NE 1/4 SW 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 2001 TO SEPTEMBER 2002 DAILY MEAN VALUES

Table with 13 columns (DAY, OCT, NOV, DEC, JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP) and 31 rows of daily mean discharge data. Includes summary rows for TOTAL, MEAN, MAX, MIN, CFSM, and IN.

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2002, BY WATER YEAR (WY)

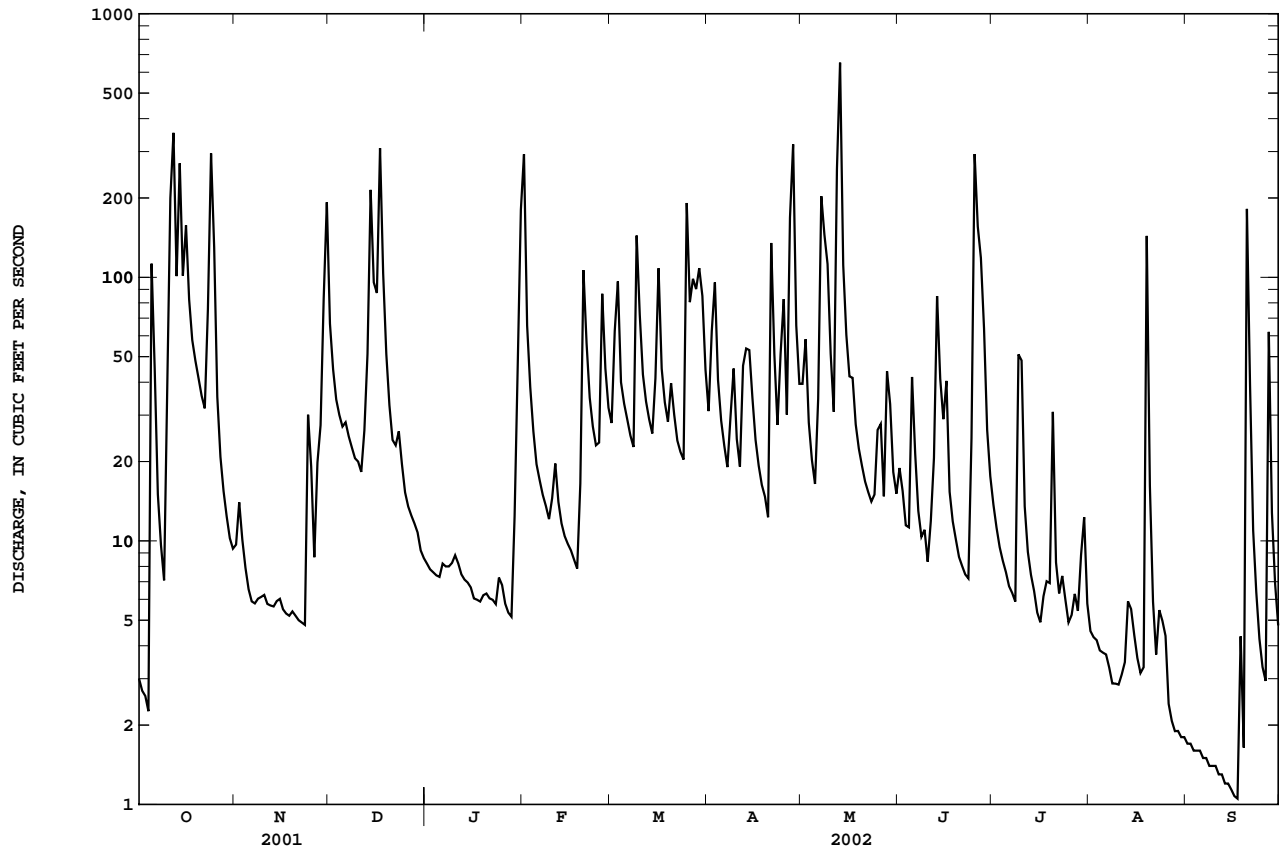
Table with 13 columns (MEAN, MAX, (WY), MIN, (WY)) and 4 rows of monthly mean discharge statistics for water years 1965-2002.

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1965 - 2002

Table with 4 columns (Statistic, 2001 Calendar Year, 2002 Water Year, Water Years 1965-2002) and 16 rows of summary statistics including annual total, mean, highest/lowest annual and daily means, runoff, and exceedance percentages.

e Estimated

03353600 LITTLE EAGLE CREEK AT SPEEDWAY, IN--Continued



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

LOCATION.--Lat 39°42'52", long 86°12'02", in SE¹/₄NE¹/₄ 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. Natural flow affected by regulation of Morse Reservoir and Geist Reservoir, and by diversion of municipal water supply by the Indianapolis Water Company.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	458	2320	7700	1190	12100	2040	10100	5970	1710	1310	363	302
2	414	2280	6240	1140	13700	2460	5980	5370	1570	986	345	293
3	377	2110	4140	1160	13000	4810	7050	4740	1330	833	334	303
4	361	1880	2940	1220	6800	6410	7530	3460	1200	723	336	303
5	947	1650	2470	1110	4150	4650	5540	2900	1970	667	331	302
6	2390	1490	2240	1130	3240	3030	4130	2850	2140	599	319	295
7	3350	1390	1900	1130	2710	2570	3370	6400	1590	504	316	282
8	2900	1350	1720	1060	2380	2340	3090	10000	1510	428	339	288
9	1960	1380	1570	1050	2160	3620	3570	9900	1370	700	318	288
10	1540	1210	1370	1120	2010	5310	4180	7280	1130	1210	301	279
11	2890	1190	1290	1100	2080	5180	4250	5050	1040	804	317	285
12	8640	1080	1360	995	2030	3630	3550	6160	1080	807	331	281
13	9880	1010	1500	982	2030	2970	3790	25900	1830	597	346	285
14	11300	995	3310	954	1820	2600	4910	30300	2220	480	360	313
15	10400	1030	6550	921	1560	2450	6940	25800	1960	398	372	341
16	10800	936	7470	891	1570	3600	6870	14800	1650	372	353	328
17	10600	902	9790	862	1520	3650	4650	6650	1200	532	325	324
18	9170	964	13000	840	1430	3430	3390	4580	1010	546	315	401
19	5980	856	12400	887	1300	2780	2680	3670	921	521	1330	418
20	4260	851	9050	1050	2160	2370	2600	3070	818	588	1180	2220
21	3360	812	5260	850	2870	2220	3830	2590	705	543	580	1760
22	2770	767	3990	828	3230	2040	4020	2200	649	468	387	694
23	2550	768	3580	836	2390	1830	4050	2080	621	401	377	407
24	6530	994	3010	896	2020	1750	3500	2100	664	381	589	339
25	12200	1210	2630	896	1960	3890	4050	2050	1620	362	536	301
26	12600	1310	2290	877	2710	4090	3000	2420	2480	339	415	282
27	11500	1630	2020	906	2340	3690	3600	2270	3360	353	360	708
28	5740	1500	1780	918	2180	4340	11900	2270	5060	406	328	491
29	3970	2120	1790	918	---	6490	13500	2460	3040	477	295	395
30	3010	5580	1600	1540	---	11000	10400	2310	2050	515	288	360
31	2670	---	1320	3710	---	12600	---	1820	---	401	313	---
TOTAL	165517	43565	127280	33967	99450	123840	160020	209420	49498	18251	12999	13868
MEAN	5339	1452	4106	1096	3552	3995	5334	6755	1650	588.7	419.3	462.3
MAX	12600	5580	13000	3710	13700	12600	13500	30300	5060	1310	1330	2220
MIN	361	767	1290	828	1300	1750	2600	1820	621	339	288	279
CFSM	2.81	0.77	2.16	0.58	1.87	2.10	2.81	3.56	0.87	0.31	0.22	0.24
IN.	3.24	0.85	2.49	0.67	1.95	2.43	3.14	4.10	0.97	0.36	0.25	0.27

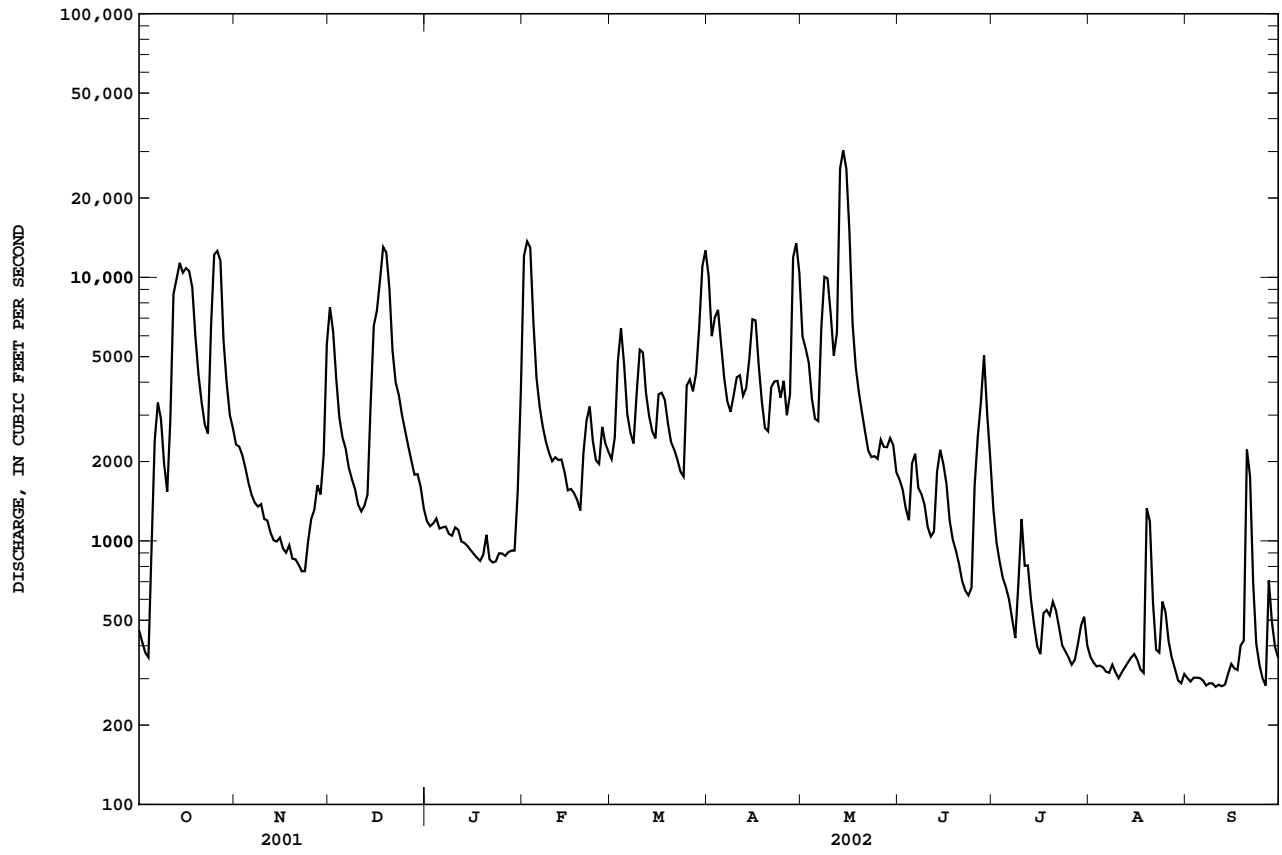
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2002, BY WATER YEAR (WY)

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	
MEAN	1037	2143	1652	2351	2156	2760	2987	3153	2471	1280	588.0	602.1
MAX	5339	7366	4215	4949	4000	5526	5334	7735	6924	3806	1360	1485
(WY)	2002	1994	1997	1999	1997	1997	2002	1996	1998	1993	1998	1993
MIN	227	200	252	269	666	751	1433	1326	829	533	273	181
(WY)	1995	2000	2000	2000	1995	2000	2000	2000	1994	1999	1999	1999

SUMMARY STATISTICS

	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1992 - 2002
ANNUAL TOTAL	762726	1057675	
ANNUAL MEAN	2090	2898	1929
HIGHEST ANNUAL MEAN			2947
LOWEST ANNUAL MEAN			770
HIGHEST DAILY MEAN	13000	30300	32700
LOWEST DAILY MEAN	303	279	150
ANNUAL SEVEN-DAY MINIMUM	318	284	161
MAXIMUM PEAK FLOW		32300	36500
MAXIMUM PEAK STAGE		12.24	13.22
ANNUAL RUNOFF (CFSM)	1.10	1.53	1.02
ANNUAL RUNOFF (INCHES)	14.95	20.73	13.81
10 PERCENT EXCEEDS	4780	6830	4370
50 PERCENT EXCEEDS	1310	1720	964
90 PERCENT EXCEEDS	452	340	283

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



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

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

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.6	3.9	4.8	7.4	4.4	6.0	8.6	6.7	7.6	14.4	12.7	13.6
2	4.9	4.1	4.5	6.9	5.3	6.1	10.7	8.1	9.3	14.3	12.8	13.5
3	5.2	4.0	4.5	6.4	4.1	5.1	9.2	6.8	7.6	15.0	12.2	13.7
4	5.7	3.5	4.9	4.3	2.8	3.5	8.7	6.8	7.7	16.0	13.6	15.0
5	5.5	3.6	4.8	5.4	3.0	4.2	9.7	7.2	8.4	17.2	14.6	15.9
6	5.6	4.1	5.0	7.9	4.3	6.2	10.4	7.5	8.9	16.1	15.0	15.5
7	7.3	5.0	6.1	10.0	7.4	8.6	10.7	7.7	9.1	16.2	15.1	15.7
8	7.9	5.3	6.7	11.3	8.8	9.8	10.9	9.6	10.3	16.0	14.8	15.5
9	8.6	5.8	7.2	10.6	6.2	8.9	11.1	9.4	10.1	16.7	15.3	15.8
10	8.2	6.6	7.7	6.5	5.1	5.7	12.3	9.3	10.8	17.1	14.8	16.1
11	7.8	6.0	7.0	7.0	4.6	5.9	14.1	10.3	12.0	16.7	15.2	15.6
12	8.1	6.2	7.2	7.5	6.1	6.9	14.1	12.5	13.2	16.6	15.2	16.1
13	7.9	6.0	7.1	9.9	6.6	8.3	13.8	12.7	13.2	15.3	14.4	14.7
14	8.8	5.9	7.4	10.3	7.5	9.0	14.8	12.6	13.8	14.6	13.8	14.2
15	8.8	6.6	8.2	10.0	8.9	9.5	15.7	11.7	13.7	14.8	13.4	14.0
16	8.8	6.1	7.6	9.5	7.6	8.2	17.8	14.4	15.9	15.7	13.7	14.5
17	8.6	6.5	7.8	7.9	7.0	7.5	18.2	16.5	17.4	14.9	14.0	14.6
18	8.9	6.1	7.8	9.1	7.4	8.1	19.5	17.2	18.4	15.5	13.4	14.3
19	9.5	7.7	8.9	10.2	8.0	8.9	20.9	19.4	20.1	14.6	13.0	13.8
20	9.3	7.9	8.6	10.0	9.3	9.7	20.4	18.7	19.5	14.5	13.0	13.9
21	8.0	6.0	6.8	9.3	7.3	8.6	18.7	14.7	16.4	14.8	13.0	13.9
22	6.9	5.3	6.2	8.9	6.1	7.5	14.7	13.6	14.2	15.8	13.6	14.8
23	8.3	5.5	7.1	10.0	6.4	8.3	15.1	12.8	14.0	17.2	14.8	16.0
24	9.0	6.2	7.8	9.7	7.7	8.9	15.9	13.7	14.9	17.3	16.3	16.8
25	9.4	7.2	8.1	9.5	5.1	6.4	15.5	13.1	14.3	18.8	16.6	17.6
26	7.3	5.6	6.3	5.9	4.8	5.3	15.9	13.3	14.6	18.8	16.6	17.7
27	6.0	4.7	5.4	8.3	4.6	6.3	15.1	11.7	13.7	19.3	17.4	18.3
28	6.4	3.4	5.0	7.0	5.9	6.5	13.2	11.7	12.6	19.8	17.8	18.9
29	---	---	---	7.2	5.6	6.4	13.2	12.2	12.6	19.2	18.3	18.7
30	---	---	---	7.0	5.5	6.3	14.6	11.9	12.8	20.6	18.2	19.4
31	---	---	---	7.4	5.9	6.6	---	---	---	22.4	20.0	21.1
MONTH	9.5	3.4	6.7	11.3	2.8	7.2	20.9	6.7	12.9	22.4	12.2	15.8

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

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	22.7	20.8	21.7	26.5	24.7	25.6	29.0	26.8	27.9	27.3	24.1	25.7
2	22.5	21.7	22.1	27.3	25.9	26.6	28.2	26.9	27.5	27.4	24.7	26.1
3	23.4	21.7	22.5	27.7	26.8	27.3	29.8	26.7	28.0	27.3	25.1	26.3
4	24.2	22.4	23.3	28.2	27.2	27.7	29.3	27.1	28.2	27.2	24.9	26.0
5	24.0	22.2	23.0	28.7	27.7	28.1	29.0	27.4	28.2	27.2	24.6	25.7
6	22.2	21.1	21.6	27.7	26.8	27.3	28.2	26.4	27.4	27.1	24.2	25.5
7	22.3	20.3	21.3	28.1	26.4	27.2	27.0	25.5	26.2	26.8	24.6	25.7
8	23.1	20.6	21.9	28.0	26.6	27.3	27.0	25.0	25.8	27.5	24.9	26.3
9	23.4	21.3	22.4	27.0	24.9	26.4	27.4	24.9	26.1	27.8	25.7	26.8
10	24.0	22.0	23.1	25.6	25.0	25.3	27.2	24.9	26.1	27.8	26.0	26.9
11	23.8	22.9	23.5	25.5	24.6	25.0	27.2	25.4	26.3	26.3	24.9	25.7
12	24.0	23.4	23.7	24.7	23.8	24.3	27.3	25.8	26.5	25.7	24.3	25.0
13	23.7	21.7	22.7	25.0	23.7	24.3	26.6	25.9	26.2	25.3	23.3	24.4
14	22.4	20.9	21.7	25.9	24.1	24.9	25.9	25.2	25.5	25.6	24.0	24.7
15	22.6	20.4	21.4	27.2	24.5	25.5	26.3	24.6	25.4	25.6	24.4	25.0
16	22.7	20.2	21.4	27.2	24.9	25.8	27.2	24.7	25.9	25.9	23.7	24.9
17	22.7	20.6	21.6	25.7	24.8	25.3	27.1	25.2	26.1	24.9	23.5	24.3
18	23.3	21.3	22.3	26.3	24.6	25.4	26.6	25.5	26.0	25.1	23.6	24.3
19	24.0	21.9	22.9	26.7	25.1	25.8	25.9	23.4	24.6	25.0	23.6	24.3
20	24.9	22.9	23.9	27.4	25.6	26.3	24.8	23.4	24.1	24.8	21.1	22.9
21	25.2	24.2	24.7	28.8	26.1	27.2	25.8	23.7	24.8	22.7	21.1	21.8
22	26.1	24.9	25.5	28.7	27.0	27.7	27.1	24.6	25.8	22.4	21.6	22.0
23	26.5	25.5	26.0	27.5	26.6	27.0	27.3	24.9	26.1	22.4	20.7	21.6
24	27.2	25.2	26.1	27.5	26.1	26.6	26.8	26.0	26.0	22.6	20.8	21.8
25	26.5	23.1	25.2	27.4	25.6	26.4	26.8	25.4	26.0	22.4	21.0	21.7
26	24.1	22.8	23.8	26.6	25.7	26.2	27.0	25.4	26.0	22.4	20.6	21.5
27	24.8	22.5	23.5	27.1	25.8	26.4	27.1	25.0	25.8	22.4	20.0	20.8
28	24.6	22.7	23.7	28.0	26.0	26.9	26.5	24.7	25.4	20.9	19.9	20.4
29	25.4	23.2	24.3	27.7	26.3	26.9	26.7	24.2	25.3	21.6	20.5	21.1
30	25.9	23.6	24.8	28.3	26.2	27.0	26.2	24.3	25.2	22.8	21.0	21.7
31	---	---	---	28.9	26.6	27.6	26.6	23.9	25.1	---	---	---
MONTH	27.2	20.2	23.2	28.9	23.7	26.4	29.8	23.4	26.1	27.8	19.9	24.0

03353620 LICK CREEK AT INDIANAPOLIS, IN

LOCATION.--Lat 39°42'21", long 86°06'13", in NE¹/₄NE¹/₄ sec.32, T.15 N., R.4 E., Marion County, Hydrologic Unit 05120201, (BEECH GROVE, IN quadrangle), on left bank, at upstream side of Sherman Drive bridge, in Indianapolis, 0.35 mi downstream of Beach Creek mouth, 5.1 mi west of Wanamaker, IN., and at mile 6.2.

DRAINAGE AREA.--15.6 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 742.00 ft above National Geodetic Vertical Datum of 1929 (Indiana Flood Control and Water Resources Commission bench mark).

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	5.5	38	e6.3	446	e13	20	22	11	7.3	1.3	0.71
2	1.4	15	16	e6.0	54	65	21	23	7.2	5.4	1.5	0.71
3	1.5	7.6	10	e5.8	30	82	39	13	4.8	4.3	1.3	0.71
4	1.5	5.0	8.5	e5.6	20	e22	19	10	6.4	3.6	1.3	0.71
5	46	4.3	6.7	e5.4	14	16	14	11	47	2.8	1.3	0.71
6	24	3.9	8.7	e6.0	12	13	12	22	20	2.3	1.3	0.71
7	4.5	3.6	7.5	e5.6	11	11	10	527	9.0	2.0	1.3	0.71
8	2.8	3.6	5.6	e5.4	9.5	9.8	15	205	5.7	1.9	1.2	0.71
9	2.8	4.0	4.6	e5.6	8.8	110	34	94	6.0	3.9	1.2	0.71
10	29	3.5	4.0	6.6	12	37	16	35	4.3	7.6	1.2	0.71
11	154	3.4	3.7	5.9	15	20	12	22	7.1	2.4	1.2	0.71
12	225	3.2	8.1	5.5	11	16	65	272	4.7	1.8	1.2	0.71
13	48	3.0	24	5.3	8.5	15	80	722	79	1.7	1.2	0.71
14	280	3.0	163	6.1	7.3	11	54	89	29	1.7	1.6	0.71
15	89	3.0	50	7.4	7.2	16	30	38	18	1.7	1.7	1.2
16	152	2.8	47	6.5	6.8	34	18	25	19	1.6	1.4	0.76
17	48	2.7	456	5.3	6.3	17	14	23	8.0	4.9	1.3	0.71
18	21	2.7	115	5.7	5.7	13	12	15	5.1	4.3	1.3	35
19	13	2.8	40	5.2	9.2	12	10	12	4.2	6.6	24	13
20	9.2	2.7	25	5.1	45	30	8.9	10	3.5	6.7	3.2	166
21	7.2	2.7	18	4.7	27	19	154	8.9	3.0	2.7	1.1	32
22	6.5	2.7	16	4.5	15	13	38	8.2	2.8	1.6	0.82	7.3
23	14	2.5	24	4.4	11	11	19	7.6	2.5	3.0	1.9	3.1
24	321	18	16	11	9.8	10	58	21	2.2	2.4	1.4	2.3
25	157	14	12	6.6	12	205	69	19	142	2.4	1.0	2.1
26	32	5.3	9.9	5.3	48	100	20	12	40	2.2	0.86	1.9
27	14	43	e9.0	4.8	21	76	208	8.6	308	1.5	0.82	42
28	8.8	32	e8.6	4.5	e16	56	326	7.4	84	1.3	0.80	8.0
29	6.8	123	e7.8	6.3	---	69	45	6.6	20	5.1	0.74	3.4
30	6.0	211	e7.0	24	---	56	24	6.0	11	5.2	0.71	2.2
31	5.6	---	e6.6	254	---	26	---	6.6	---	2.3	0.71	---
TOTAL	1733.2	539.5	1176.3	446.4	899.1	1203.8	1464.9	2301.9	914.5	104.2	61.86	330.91
MEAN	55.91	17.98	37.95	14.40	32.11	38.83	48.83	74.25	30.48	3.361	1.995	11.03
MAX	321	211	456	254	446	205	326	722	308	7.6	24	166
MIN	1.4	2.5	3.7	4.4	5.7	9.8	8.9	6.0	2.2	1.3	0.71	0.71
CFSM	3.58	1.15	2.43	0.92	2.06	2.49	3.13	4.76	1.95	0.22	0.13	0.71
IN.	4.13	1.29	2.81	1.06	2.14	2.87	3.49	5.49	2.18	0.25	0.15	0.79

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

	MEAN	MAX	MIN	(WY)
1971	9.496	20.80	23.09	20.81
1972	20.80	102	76.4	50.5
1973	23.09	76.4	50.5	57.1
1974	20.81	50.5	57.1	64.6
1975	26.23	57.1	64.6	71.4
1976	30.52	64.6	71.4	102
1977	27.73	71.4	102	88.8
1978	26.69	102	88.8	95.5
1979	18.64	88.8	95.5	54.1
1980	17.24	95.5	54.1	48.2
1981	10.57	54.1	48.2	1989
1982	8.329	48.2	1989	1989
1983	1.03	0.71	2.14	1.00
1984	1.03	0.71	2.14	1.00
1985	1.83	2000	1981	1981
1986	1.83	2000	1981	1981
1987	1.83	2000	1981	1981
1988	1.83	2000	1981	1981
1989	1.83	2000	1981	1981
1990	1.83	2000	1981	1981
1991	1.83	2000	1981	1981
1992	1.83	2000	1981	1981
1993	1.83	2000	1981	1981
1994	1.83	2000	1981	1981
1995	1.83	2000	1981	1981
1996	1.83	2000	1981	1981
1997	1.83	2000	1981	1981
1998	1.83	2000	1981	1981
1999	1.83	2000	1981	1981
2000	1.83	2000	1981	1981
2001	1.83	2000	1981	1981
2002	1.83	2000	1981	1981

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

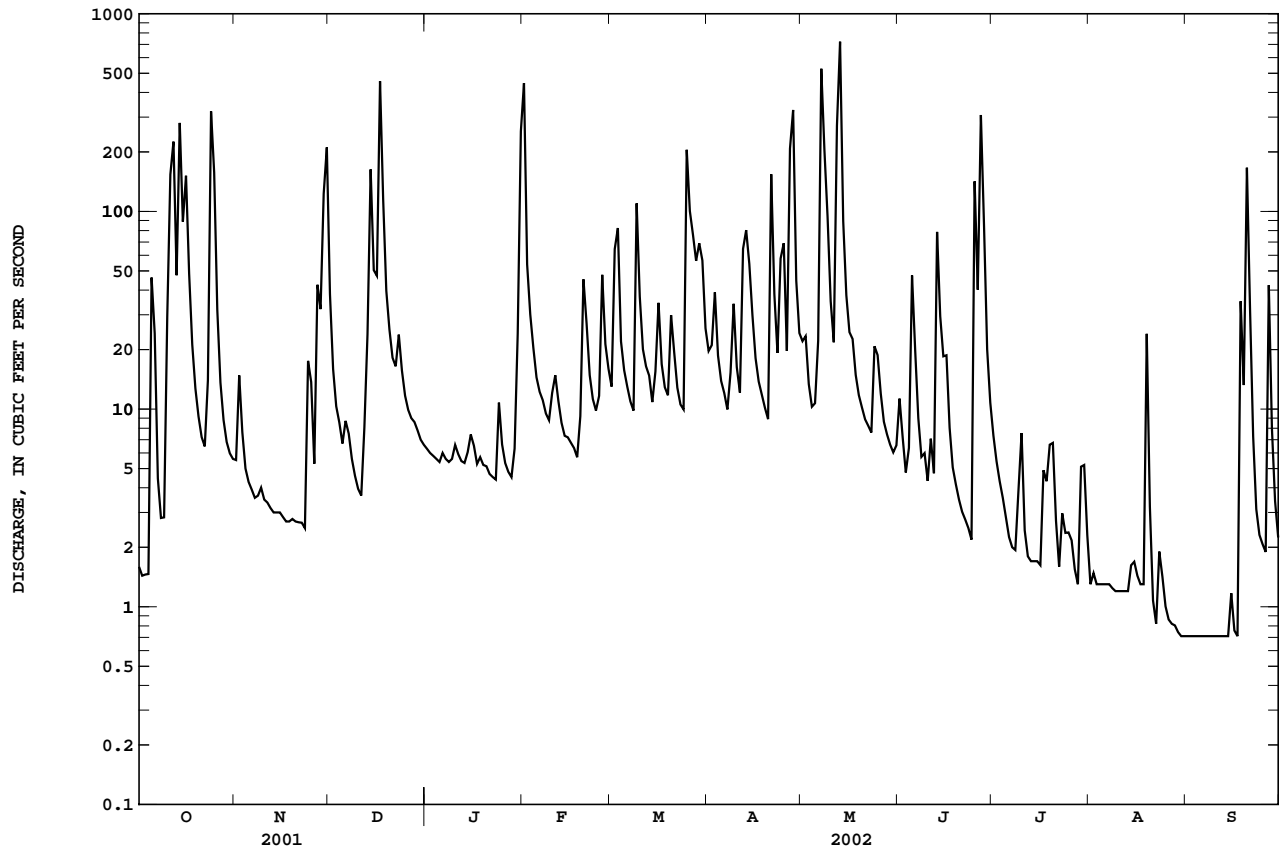
FOR 2002 WATER YEAR

WATER YEARS 1971 - 2002

ANNUAL TOTAL	7805.27	11176.57	
ANNUAL MEAN	21.38	30.62	19.98
HIGHEST ANNUAL MEAN			30.6
LOWEST ANNUAL MEAN			10.8
HIGHEST DAILY MEAN	456	Dec 17	722
LOWEST DAILY MEAN	0.84	Sep 6	0.71
ANNUAL SEVEN-DAY MINIMUM	1.4	Aug 11	0.71
MAXIMUM PEAK FLOW			1600
MAXIMUM PEAK STAGE			7.21
ANNUAL RUNOFF (CFSM)	1.37		1.96
ANNUAL RUNOFF (INCHES)	18.61		26.65
10 PERCENT EXCEEDS	48		67
50 PERCENT EXCEEDS	5.5		8.0
90 PERCENT EXCEEDS	2.2		1.3
			9.61
			1.28
			17.40
			44
			6.7
			1.2

e Estimated

03353620 LICK CREEK AT INDIANAPOLIS, IN--Continued



03353635 DERBYSHIRE CREEK AT SOUTHPORT, IN

LOCATION.--Lat 39°40'15", long 86°07'21", in NE¹/₄SE¹/₄ sec.07, T.14 N., R.04 E., Marion County Hydrologic Unit 05120201, (BEECH GROVE, IN quadrangle), on left bank, 10 ft downstream from bridge on Derbyshire Road, 0.25 mi south of Fairhope Drive, and 0.3 mi upstream from mouth.

DRAINAGE AREA.--1.76 mi².

PERIOD OF RECORD.--September 1989 to December 2001 (discontinued).

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

GAGE.--Water-stage recorder. Datum of gage is 746.37 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 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.91	1.6	7.8	---	---	---	---	---	---	---	---	---
2	0.91	1.8	4.1	---	---	---	---	---	---	---	---	---
3	0.84	1.7	3.0	---	---	---	---	---	---	---	---	---
4	0.84	1.5	2.5	---	---	---	---	---	---	---	---	---
5	2.2	1.4	2.1	---	---	---	---	---	---	---	---	---
6	1.9	1.3	2.1	---	---	---	---	---	---	---	---	---
7	1.2	1.3	2.0	---	---	---	---	---	---	---	---	---
8	1.1	1.2	1.8	---	---	---	---	---	---	---	---	---
9	0.99	1.2	1.6	---	---	---	---	---	---	---	---	---
10	1.4	1.2	1.4	---	---	---	---	---	---	---	---	---
11	11	1.2	1.3	---	---	---	---	---	---	---	---	---
12	24	1.2	1.6	---	---	---	---	---	---	---	---	---
13	5.4	1.2	3.0	---	---	---	---	---	---	---	---	---
14	32	1.1	21	---	---	---	---	---	---	---	---	---
15	8.6	1.1	7.8	---	---	---	---	---	---	---	---	---
16	14	1.1	5.2	---	---	---	---	---	---	---	---	---
17	6.3	1.1	48	---	---	---	---	---	---	---	---	---
18	3.8	0.99	16	---	---	---	---	---	---	---	---	---
19	3.0	0.99	5.4	---	---	---	---	---	---	---	---	---
20	2.4	0.99	3.5	---	---	---	---	---	---	---	---	---
21	2.0	0.91	2.8	---	---	---	---	---	---	---	---	---
22	1.9	0.91	2.5	---	---	---	---	---	---	---	---	---
23	2.1	0.91	2.7	---	---	---	---	---	---	---	---	---
24	33	1.4	2.2	---	---	---	---	---	---	---	---	---
25	17	1.6	1.9	---	---	---	---	---	---	---	---	---
26	4.4	1.2	1.8	---	---	---	---	---	---	---	---	---
27	3.0	3.2	1.6	---	---	---	---	---	---	---	---	---
28	2.4	2.8	e1.4	---	---	---	---	---	---	---	---	---
29	2.1	12	e1.2	---	---	---	---	---	---	---	---	---
30	1.9	40	e1.1	---	---	---	---	---	---	---	---	---
31	1.8	---	e1.0	---	---	---	---	---	---	---	---	---
TOTAL	194.39	90.10	161.4	---	---	---	---	---	---	---	---	---
MEAN	6.271	3.003	5.206	---	---	---	---	---	---	---	---	---
MAX	33	40	48	---	---	---	---	---	---	---	---	---
MIN	0.84	0.91	1.0	---	---	---	---	---	---	---	---	---
CFSM	3.56	1.71	2.96	---	---	---	---	---	---	---	---	---
IN.	4.11	1.90	3.41	---	---	---	---	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2002, BY WATER YEAR (WY)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MEAN	1.446	2.971	3.023	3.301	3.289	3.712	3.831	3.820	3.143	2.280	0.981	0.954	
MAX	6.27	11.9	17.0	6.91	13.1	8.25	7.78	12.2	11.4	10.8	2.97	3.44	
(WY)	2002	1994	1991	1999	1990	1991	1996	1998	1992	2000	2001		
MIN	0.078	0.12	0.37	0.24	0.98	0.87	1.02	0.74	0.28	0.26	0.17	0.052	
(WY)	1998	2000	1998	2000	1998	1994	2001	1992	1991	1991	1991	1991	

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

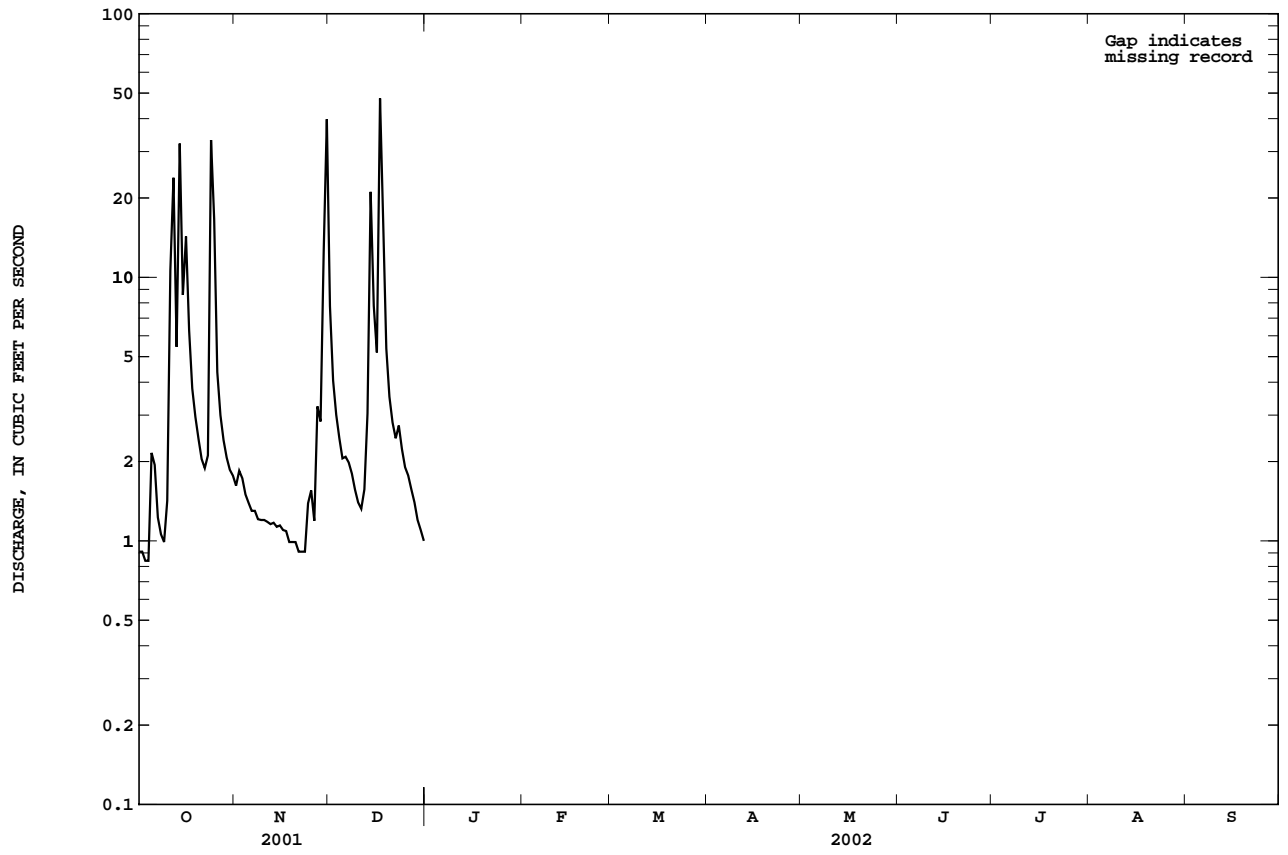
FOR 2002 WATER YEAR

WATER YEARS 1990 - 2002

ANNUAL TOTAL	1126.44	445.89		
ANNUAL MEAN	3.086	4.847	2.720	
HIGHEST ANNUAL MEAN			4.85	2002
LOWEST ANNUAL MEAN			1.45	2000
HIGHEST DAILY MEAN	80	Jun 6	48	Dec 17
LOWEST DAILY MEAN	0.49	Sep 6	0.84	Oct 3
ANNUAL SEVEN-DAY MINIMUM	0.61	May 10	0.97	Nov 17
MAXIMUM PEAK FLOW			183	Oct 24
MAXIMUM PEAK STAGE			3.95	Oct 24
ANNUAL RUNOFF (CFSM)	1.75		2.75	
ANNUAL RUNOFF (INCHES)	23.81		9.42	
10 PERCENT EXCEEDS	5.5		13	
50 PERCENT EXCEEDS	1.3		1.8	
90 PERCENT EXCEEDS	0.72		0.99	

e Estimated

03353635 DERBYSHIRE CREEK AT SOUTHPORT, IN--Continued



03353636 LITTLE BUCK CREEK AT SOUTHPORT, IN

LOCATION.--Lat 39°39'54", long 86°08'11", in SW¹/₄SW¹/₄ sec.7, T.14 N., R.4 E., Marion County, Hydrologic Unit 05120201, (MAYWOOD, IN quadrangle), on left bank 50 ft downstream from Southport Road bridge in Indianapolis, 0.6 mi west of U.S. Highway 31, and at mile 9.52.

DRAINAGE AREA.--10.8 mi².

PERIOD OF RECORD.--October 1989 to December 2001 (discontinued).

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

GAGE.--Water-stage recorder. Datum of gage is 725.50 ft above National Geodetic Vertical Datum of 1929.

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	9.0	50	---	---	---	---	---	---	---	---	---
2	3.0	15	29	---	---	---	---	---	---	---	---	---
3	2.6	13	22	---	---	---	---	---	---	---	---	---
4	2.2	10	18	---	---	---	---	---	---	---	---	---
5	17	8.2	15	---	---	---	---	---	---	---	---	---
6	20	7.4	16	---	---	---	---	---	---	---	---	---
7	9.6	6.6	14	---	---	---	---	---	---	---	---	---
8	6.0	6.0	12	---	---	---	---	---	---	---	---	---
9	4.6	5.7	10	---	---	---	---	---	---	---	---	---
10	9.6	5.6	9.1	---	---	---	---	---	---	---	---	---
11	81	5.4	8.2	---	---	---	---	---	---	---	---	---
12	178	5.0	11	---	---	---	---	---	---	---	---	---
13	44	4.6	27	---	---	---	---	---	---	---	---	---
14	215	4.4	119	---	---	---	---	---	---	---	---	---
15	62	4.2	58	---	---	---	---	---	---	---	---	---
16	96	4.0	42	---	---	---	---	---	---	---	---	---
17	46	3.8	333	---	---	---	---	---	---	---	---	---
18	27	3.7	111	---	---	---	---	---	---	---	---	---
19	21	3.9	47	---	---	---	---	---	---	---	---	---
20	16	3.9	27	---	---	---	---	---	---	---	---	---
21	13	3.7	17	---	---	---	---	---	---	---	---	---
22	11	3.5	13	---	---	---	---	---	---	---	---	---
23	12	3.4	14	---	---	---	---	---	---	---	---	---
24	163	11	10	---	---	---	---	---	---	---	---	---
25	107	27	7.8	---	---	---	---	---	---	---	---	---
26	37	13	6.4	---	---	---	---	---	---	---	---	---
27	23	29	5.7	---	---	---	---	---	---	---	---	---
28	17	27	5.3	---	---	---	---	---	---	---	---	---
29	14	111	e4.0	---	---	---	---	---	---	---	---	---
30	12	180	e3.5	---	---	---	---	---	---	---	---	---
31	11	---	e3.1	---	---	---	---	---	---	---	---	---
TOTAL	1283.9	538.0	1068.1	---	---	---	---	---	---	---	---	---
MEAN	41.42	17.93	34.45	---	---	---	---	---	---	---	---	---
MAX	215	180	333	---	---	---	---	---	---	---	---	---
MIN	2.2	3.4	3.1	---	---	---	---	---	---	---	---	---
CFSM	3.83	1.66	3.19	---	---	---	---	---	---	---	---	---
IN.	4.42	1.85	3.68	---	---	---	---	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2002, BY WATER YEAR (WY)

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MEAN	9.357	18.08	16.78	19.64	18.17	22.39	25.54	23.33	20.75	14.61	5.363	6.449		
MAX	41.4	68.9	72.5	49.6	48.1	53.8	50.4	73.9	65.7	70.6	12.9	24.0		
(WY)	2002	1994	1991	1999	1990	1991	1996	1996	1998	1992	1990	2001		
MIN	0.65	0.51	2.21	2.71	6.38	5.56	6.04	4.43	1.68	1.55	1.20	0.36		
(WY)	2000	2000	1998	2000	1996	2001	2001	1999	1991	1991	1999	1991		

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

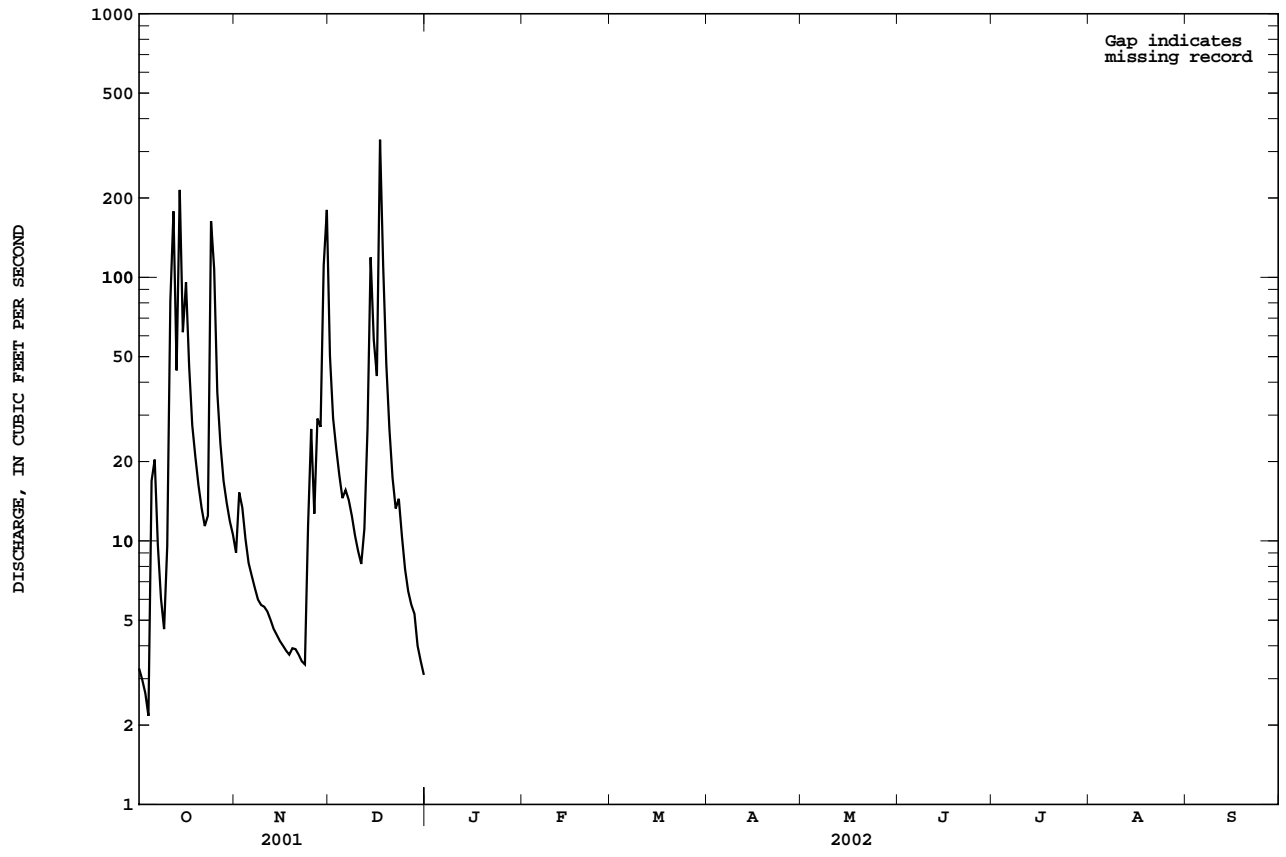
FOR 2002 WATER YEAR

WATER YEARS 1989 - 2002

ANNUAL TOTAL	7096.17	2890.0		
ANNUAL MEAN	19.44	31.41	16.64	
HIGHEST ANNUAL MEAN			31.4	2002
LOWEST ANNUAL MEAN			3.60	1989
HIGHEST DAILY MEAN	419	Jun 6	333	Dec 17
LOWEST DAILY MEAN	0.91	May 15	2.2	Oct 4
ANNUAL SEVEN-DAY MINIMUM	1.3	May 11	3.7	Nov 17
MAXIMUM PEAK FLOW			437	Oct 12
MAXIMUM PEAK STAGE			5.06	Oct 12
ANNUAL RUNOFF (CFSM)	1.80		2.91	1.54
ANNUAL RUNOFF (INCHES)	24.44		9.95	20.93
10 PERCENT EXCEEDS	43		104	33
50 PERCENT EXCEEDS	7.3		12	5.8
90 PERCENT EXCEEDS	2.7		3.7	0.69

e Estimated

03353636 LITTLE BUCK CREEK AT SOUTHPORT, IN--Continued



03353637 LITTLE BUCK CREEK NEAR INDIANAPOLIS, IN

LOCATION.--Lat 39°40'00", long 86°11'48", in SW¹/₄SW¹/₄ 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 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.57	9.2	64	e5.8	370	14	24	36	9.7	5.7	0.32	0.00
2	0.47	14	33	e5.4	106	38	19	39	7.7	3.1	0.17	0.00
3	0.24	12	22	e5.1	66	111	43	23	6.1	2.2	0.07	0.00
4	0.08	9.4	17	e4.8	43	50	22	15	5.1	1.6	0.05	0.00
5	12	7.7	13	e4.6	27	23	15	10	29	1.3	0.30	0.00
6	17	6.9	14	e4.4	20	17	11	32	19	1.2	0.09	0.00
7	4.4	6.1	12	e4.3	16	13	8.5	543	10	1.00	0.00	0.00
8	2.3	5.4	10	e4.2	13	10	12	277	7.0	0.86	0.00	0.00
9	1.5	5.0	8.7	4.1	10	107	39	158	5.4	1.1	0.00	0.00
10	3.9	4.7	7.4	4.5	12	78	22	85	9.5	1.1	0.00	0.09
11	57	4.6	6.7	4.2	18	38	13	54	17	0.78	0.00	0.00
12	210	4.2	8.2	4.0	13	24	27	200	12	0.67	0.00	0.00
13	50	4.0	25	3.9	8.8	15	62	690	38	0.60	0.00	0.00
14	232	3.8	133	3.5	7.1	11	46	173	46	0.49	0.00	0.00
15	81	3.5	74	3.3	6.6	16	33	84	20	0.33	0.00	0.00
16	112	3.2	48	2.8	5.6	71	18	58	12	0.23	0.00	0.00
17	56	2.8	339	2.8	5.0	32	11	49	7.6	0.26	0.00	0.00
18	28	2.8	151	2.7	4.3	17	7.8	39	5.7	0.66	0.00	9.0
19	18	2.8	58	2.9	6.3	12	5.8	31	4.7	14	6.3	1.3
20	13	2.9	34	2.9	30	38	4.7	26	3.9	33	0.82	142
21	9.9	2.8	24	2.8	23	30	318	23	3.4	4.5	0.18	57
22	8.1	2.5	20	2.7	13	15	132	21	3.2	6.8	0.00	4.8
23	8.8	2.3	22	2.7	9.4	10	65	17	2.8	12	2.4	1.7
24	189	7.8	16	8.7	7.4	7.6	64	14	2.6	5.3	2.3	1.0
25	166	23	12	5.3	9.5	166	99	29	109	1.8	0.33	0.74
26	48	9.6	11	4.2	52	150	45	33	153	1.2	0.00	0.22
27	27	30	9.5	3.7	30	111	127	17	244	0.85	0.00	32
28	18	25	8.5	3.3	21	74	335	13	153	0.65	0.00	4.1
29	14	123	7.3	3.8	---	54	90	12	45	0.87	0.00	1.3
30	12	211	e6.7	13	---	62	48	9.8	14	0.99	0.00	0.77
31	11	---	e6.2	121	---	35	---	9.0	---	0.58	0.00	---
TOTAL	1411.26	552.0	1221.2	251.4	953.0	1449.6	1766.8	2819.8	1005.4	105.72	13.33	256.02
MEAN	45.52	18.40	39.39	8.110	34.04	46.76	58.89	90.96	33.51	3.410	0.430	8.534
MAX	232	211	339	121	370	166	335	690	244	33	6.3	142
MIN	0.08	2.3	6.2	2.7	4.3	7.6	4.7	9.0	2.6	0.23	0.00	0.00
CFSM	2.68	1.08	2.32	0.48	2.00	2.75	3.46	5.35	1.97	0.20	0.03	0.50
IN.	3.09	1.21	2.67	0.55	2.09	3.17	3.87	6.17	2.20	0.23	0.03	0.56

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2002, BY WATER YEAR (WY)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MEAN	11.24	23.74	21.03	24.70	23.48	29.16	34.54	35.10	27.02	17.02	6.112	7.760	
MAX	45.5	91.9	99.4	62.7	54.5	68.0	63.7	105	77.3	85.7	18.3	28.6	
(WY)	2002	1994	1991	1999	1990	1991	1996	1996	1998	1992	1990	1993	
MIN	0.058	0.000	1.02	1.42	6.39	5.82	5.39	4.60	4.99	2.67	0.43	0.000	
(WY)	2000	2000	1998	2000	1998	2001	2001	2001	1991	1991	2002	1999	

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

WATER YEARS 1990 - 2002

ANNUAL TOTAL	7206.18	11805.53	
ANNUAL MEAN	19.74	32.34	21.71
HIGHEST ANNUAL MEAN			32.3
LOWEST ANNUAL MEAN			10.4
HIGHEST DAILY MEAN	428	690	1390
LOWEST DAILY MEAN	0.00	0.00	0.00
ANNUAL SEVEN-DAY MINIMUM	0.08	0.00	0.00
MAXIMUM PEAK FLOW		1150	2300
MAXIMUM PEAK STAGE		7.92	11.21
ANNUAL RUNOFF (CFSM)	1.16	1.90	1.28
ANNUAL RUNOFF (INCHES)	15.77	25.83	17.35
10 PERCENT EXCEEDS	50	84	45
50 PERCENT EXCEEDS	5.8	9.4	7.7
90 PERCENT EXCEEDS	0.45	0.06	0.00

e Estimated

03353637 LITTLE BUCK CREEK NEAR INDIANAPOLIS, IN--Continued

