

03348000 WHITE RIVER AT ANDERSON, IN

LOCATION.--Lat 40°06'20", long 85°40'16", in NW¼NW¼ 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 mi<sup>2</sup>.

PERIOD OF RECORD.--July 1925 to September 1926, October 1931 to December 1993 (discharge), September 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. WDR IN-03-1: 1972.

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 ft<sup>3</sup>/s.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 19.48 ft, Sept. 3; minimum gage height, 4.14 ft, Oct. 17-18.

REVISIONS.--Revised figures of discharge for the water year 1972, superseding those published in the report for 1972 are given below.

EXTREMES FOR 1972 WATER YEAR.--Maximum discharge, 4,420 ft<sup>3</sup>/s, gage height, 11.50 ft, Dec. 15, 1971.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	122	107	97	1,440	200	911	270	322	402	275	122	85
2	117	107	105	1,040	270	2,180	240	302	335	220	117	85
3	117	107	100	884	185	2,130	237	296	255	185	127	110
4	122	107	95	796	160	1,350	332	292	223	226	190	114
5	122	107	85	818	130	906	328	283	218	198	174	120
6	117	107	132	654	130	673	302	267	207	169	148	93
7	117	107	460	505	130	578	1,020	264	215	153	188	83
8	117	107	884	402	140	498	2,210	280	209	153	148	102
9	107	107	488	395	130	422	1,570	429	198	142	148	107
10	112	107	402	488	130	368	1,150	488	185	166	132	83
11	112	107	385	774	130	315	937	385	180	155	120	78
12	102	107	240	643	140	315	787	305	171	150	120	83
13	112	107	212	612	160	302	1,360	342	201	148	120	107
14	102	107	598	463	171	302	1,080	601	548	148	110	153
15	102	102	3,090	330	255	309	756	1,350	681	292	114	158
16	102	102	2,810	250	402	309	1,110	1,150	1,060	419	117	127
17	102	102	1,580	250	335	309	1,640	814	681	280	117	107
18	102	102	1,010	280	270	296	1,140	658	456	212	102	107
19	102	102	703	350	210	296	897	559	388	302	102	226
20	102	107	559	368	180	289	2,230	477	286	402	102	158
21	102	107	477	361	170	270	2,110	416	390	261	90	132
22	102	102	426	382	170	335	2,630	368	335	261	90	212
23	270	102	375	422	170	302	2,840	328	240	207	90	522
24	240	102	309	429	170	296	1,670	296	220	177	110	505
25	158	107	276	429	170	264	1,140	264	207	190	97	635
26	132	107	258	348	180	258	701	240	207	158	97	1,990
27	107	95	240	250	212	252	548	237	182	148	93	2,310
28	107	93	234	210	352	240	412	207	158	142	93	884
29	107	90	232	190	412	240	355	207	158	135	88	730
30	107	97	1,330	180	---	355	338	234	333	127	88	1,130
31	107	---	2,310	180	---	302	---	335	---	122	88	---
TOTAL	3,749	3,117	20,502	15,123	5,864	16,172	32,340	12,996	9,529	6,323	3,642	11,336
MEAN	121	104	661	488	202	522	1,078	419	318	204	117	378
MAX	270	107	3,090	1,440	412	2,180	2,840	1,350	1,060	419	190	2,310
MIN	102	90	85	180	130	240	237	207	158	122	88	78
CFSM	0.30	0.26	1.63	1.20	0.50	1.28	2.66	1.03	0.78	0.50	0.29	0.93
IN.	0.34	0.29	1.88	1.39	0.54	1.48	2.96	1.19	0.87	0.58	0.33	1.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 1972, BY WATER YEAR (WY)

MEAN	117	186	312	516	546	672	709	475	361	185	138	114
MAX	379	1,034	1,106	2,740	1,882	1,598	2,164	1,949	2,232	495	500	378
(WY)	(1956)	(1956)	(1958)	(1950)	(1950)	(1963)	(1964)	(1933)	(1958)	(1962)	(1958)	(1972)
MIN	30.3	45.4	45.1	44.4	67.5	81.5	94.0	41.5	76.6	37.9	25.1	20.9
(WY)	(1941)	(1935)	(1964)	(1945)	(1935)	(1941)	(1941)	(1941)	(1936)	(1936)	(1940)	(1941)

## WABASH RIVER BASIN

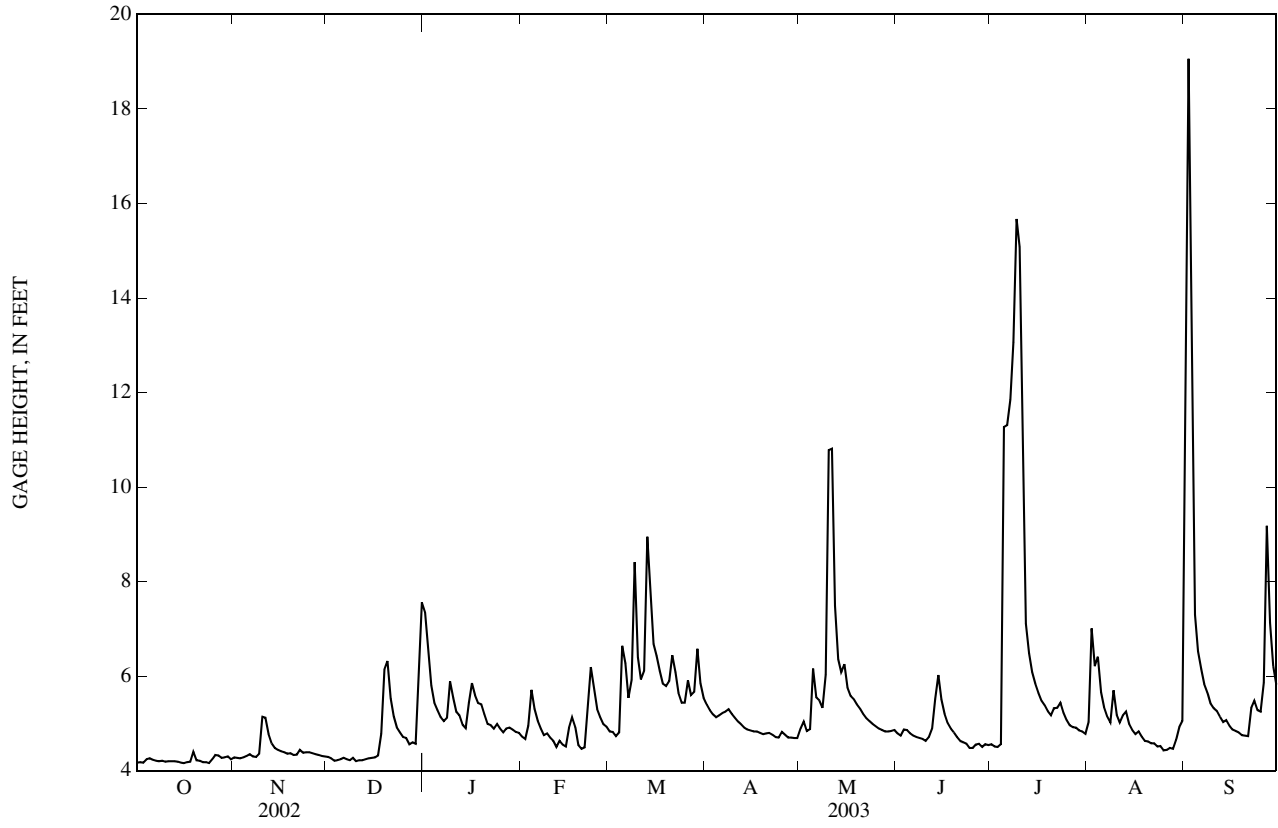
03348000 WHITE RIVER AT ANDERSON, IN—Continued

SUMMARY STATISTICS	FOR 1971 CALENDAR YEAR		FOR 1972 WATER YEAR		WATER YEARS 1932 - 1972	
ANNUAL TOTAL	113,085		140,693			
ANNUAL MEAN	310		384		362	
HIGHEST ANNUAL MEAN					704	1950
LOWEST ANNUAL MEAN					80.5	1941
HIGHEST DAILY MEAN	3,820	Feb 20	3,090	Dec 15	15,100	Apr 21, 1964
LOWEST DAILY MEAN	39	Aug 16	78	Sep 11	9.1	Sep 24, 1940
ANNUAL SEVEN-DAY MINIMUM	43	Jan 27	89	Aug 27	13	Sep 23, 1941
MAXIMUM PEAK FLOW			4,420	Dec 15	18,700	Apr 21, 1964
MAXIMUM PEAK STAGE			11.50	Dec 15	19.96	Jun 14, 1958
ANNUAL RUNOFF (CFSM)	0.76		0.95		0.89	
ANNUAL RUNOFF (INCHES)	10.36		12.89		12.11	
10 PERCENT EXCEEDS	678		888		759	
50 PERCENT EXCEEDS	142		222		157	
90 PERCENT EXCEEDS	82		102		55	

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.17	4.28	4.29	7.35	4.72	4.83	5.40	4.89	4.79	4.56	5.03	12.31
2	4.18	4.27	4.26	6.64	4.67	4.82	5.28	5.04	4.74	4.51	7.01	19.06
3	4.17	4.26	4.21	5.80	4.95	4.73	5.19	4.84	4.87	4.50	6.21	12.97
4	4.24	4.28	4.22	5.44	5.71	4.81	5.13	4.88	4.86	4.56	6.41	7.30
5	4.26	4.31	4.24	5.28	5.31	6.64	5.17	6.16	4.79	11.27	5.66	6.52
6	4.23	4.35	4.27	5.13	5.06	6.27	5.22	5.55	4.74	11.31	5.34	6.15
7	4.21	4.30	4.24	5.05	4.89	5.54	5.25	5.49	4.71	11.85	5.14	5.83
8	4.20	4.29	4.22	5.12	4.75	5.92	5.30	5.33	4.69	13.06	5.02	5.65
9	4.21	4.36	4.27	5.89	4.79	8.41	5.20	6.03	4.67	15.67	5.70	5.42
10	4.19	5.14	4.20	5.54	4.70	6.40	5.12	10.78	4.63	15.08	5.18	5.32
11	4.20	5.12	4.22	5.25	4.63	5.93	5.04	10.81	4.71	10.49	5.02	5.26
12	4.20	4.77	4.22	5.17	4.50	6.11	4.98	7.49	4.89	7.11	5.17	5.14
13	4.20	4.58	4.24	4.97	4.63	8.95	4.91	6.36	5.51	6.48	5.25	5.03
14	4.19	4.48	4.26	4.90	4.55	7.90	4.87	6.08	6.02	6.09	4.98	5.07
15	4.17	4.44	4.27	5.44	4.51	6.68	4.85	6.25	5.51	5.84	4.86	4.95
16	4.16	4.41	4.28	5.85	4.91	6.43	4.83	5.76	5.20	5.64	4.77	4.87
17	4.18	4.39	4.32	5.59	5.13	6.11	4.83	5.58	5.01	5.48	4.83	4.84
18	4.19	4.36	4.78	5.43	4.92	5.84	4.80	5.51	4.89	5.38	4.72	4.81
19	4.40	4.37	6.14	5.40	4.54	5.79	4.77	5.40	4.81	5.26	4.63	4.75
20	4.22	4.33	6.32	5.19	4.46	5.90	4.79	5.31	4.71	5.17	4.62	4.74
21	4.21	4.34	5.53	4.99	4.49	6.44	4.80	5.20	4.63	5.32	4.58	4.73
22	4.18	4.44	5.15	4.96	5.44	6.08	4.76	5.11	4.60	5.33	4.58	5.33
23	4.18	4.38	4.91	4.89	6.19	5.64	4.71	5.05	4.57	5.44	4.51	5.48
24	4.16	4.39	4.81	4.99	5.76	5.44	4.70	4.99	4.48	5.23	4.52	5.28
25	4.24	4.39	4.71	4.89	5.30	5.44	4.82	4.94	4.48	5.07	4.43	5.25
26	4.33	4.37	4.69	4.81	5.13	5.91	4.76	4.89	4.55	4.96	4.44	5.86
27	4.32	4.35	4.56	4.89	4.98	5.60	4.70	4.86	4.57	4.92	4.48	9.18
28	4.27	4.33	4.60	4.91	4.93	5.67	4.70	4.83	4.50	4.91	4.46	7.13
29	4.28	4.31	4.57	4.87	---	6.58	4.69	4.83	4.56	4.85	4.65	6.21
30	4.30	4.30	5.82	4.82	---	5.85	4.69	4.84	4.54	4.83	4.92	5.82
31	4.24	---	7.56	4.80	---	5.54	---	4.86	---	4.78	5.05	---
MEAN	4.22	4.42	4.72	5.30	4.95	6.07	4.94	5.74	4.81	6.93	5.04	6.54
MAX	4.40	5.14	7.56	7.35	6.19	8.95	5.40	10.81	6.02	15.67	7.01	19.06
MIN	4.16	4.26	4.20	4.80	4.46	4.73	4.69	4.83	4.48	4.50	4.43	4.73
CAL YR	2002	MEAN 5.06	MAX 14.94	MIN 4.14								
WTR YR	2003	MEAN 5.31	MAX 19.06	MIN 4.16								

03348000 WHITE RIVER AT ANDERSON, IN—Continued



## 03348130 WHITE RIVER AT RAIBLE AVENUE AT ANDERSON, IN

LOCATION.--Lat 40°06'38", long 85°42'39", in NW¼SW¼ 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 mi<sup>2</sup> (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 2002 TO SEPTEMBER 2003  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	106	115	128	2,710	e172	291	670	249	329	217	315	4,180
2	99	114	126	2,240	e172	278	560	489	296	223	821	11,500
3	97	109	121	1,190	e190	253	481	353	321	212	1,430	13,500
4	112	109	119	716	596	267	434	288	336	214	987	5,060
5	131	119	122	543	652	577	432	938	317	3,650	974	1,800
6	110	136	120	452	415	1,650	465	1,250	293	7,660	597	1,250
7	105	128	126	387	343	950	457	768	280	6,390	468	958
8	101	119	118	373	e250	655	523	656	270	8,230	395	798
9	98	117	117	642	e240	3,020	486	675	264	11,000	492	678
10	92	323	120	847	e220	2,620	431	3,520	250	11,800	750	584
11	93	582	113	549	e200	1,290	392	7,590	280	9,420	499	513
12	92	367	113	e340	e190	1,180	363	5,390	296	3,890	423	459
13	92	236	111	e310	e180	2,380	331	2,080	423	1,860	e400	424
14	91	193	122	e280	e190	4,490	305	1,340	1,050	1,330	e370	407
15	91	172	128	e240	e180	2,390	293	1,650	839	1,080	e350	387
16	89	163	127	e230	e154	1,730	285	1,300	557	898	e330	365
17	89	154	131	e225	e134	1,420	279	886	427	741	e310	339
18	90	146	207	e219	e134	1,110	270	768	361	649	e300	321
19	127	146	637	e214	e145	936	259	684	325	572	264	307
20	125	143	1,500	e220	e160	985	253	604	295	512	244	295
21	106	139	1,020	e219	e174	1,240	276	530	268	553	234	283
22	101	151	536	e210	e260	1,400	255	471	249	571	226	445
23	97	162	369	e180	857	948	239	432	237	529	215	658
24	94	160	294	e154	982	711	225	400	224	543	204	516
25	113	160	267	e160	593	614	240	371	211	438	196	521
26	139	153	245	e170	459	771	255	350	218	386	190	584
27	126	146	215	e150	353	798	235	e340	258	358	185	2,750
28	126	140	200	e160	328	667	219	e330	230	349	182	3,620
29	117	136	197	e170	---	1,500	217	e320	241	337	e196	1,480
30	126	133	254	e174	---	1,440	211	308	236	314	e360	944
31	120	---	1,950	e175	---	851	---	367	---	296	411	---
TOTAL	3,295	5,171	9,953	14,849	8,923	39,412	10,341	35,697	10,181	75,222	13,318	55,926
MEAN	106	172	321	479	319	1,271	345	1,152	339	2,427	430	1,864
MAX	139	582	1,950	2,710	982	4,490	670	7,590	1,050	11,800	1,430	13,500
MIN	89	109	111	150	134	253	211	249	211	212	182	283

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2003, BY WATER YEAR (WY)

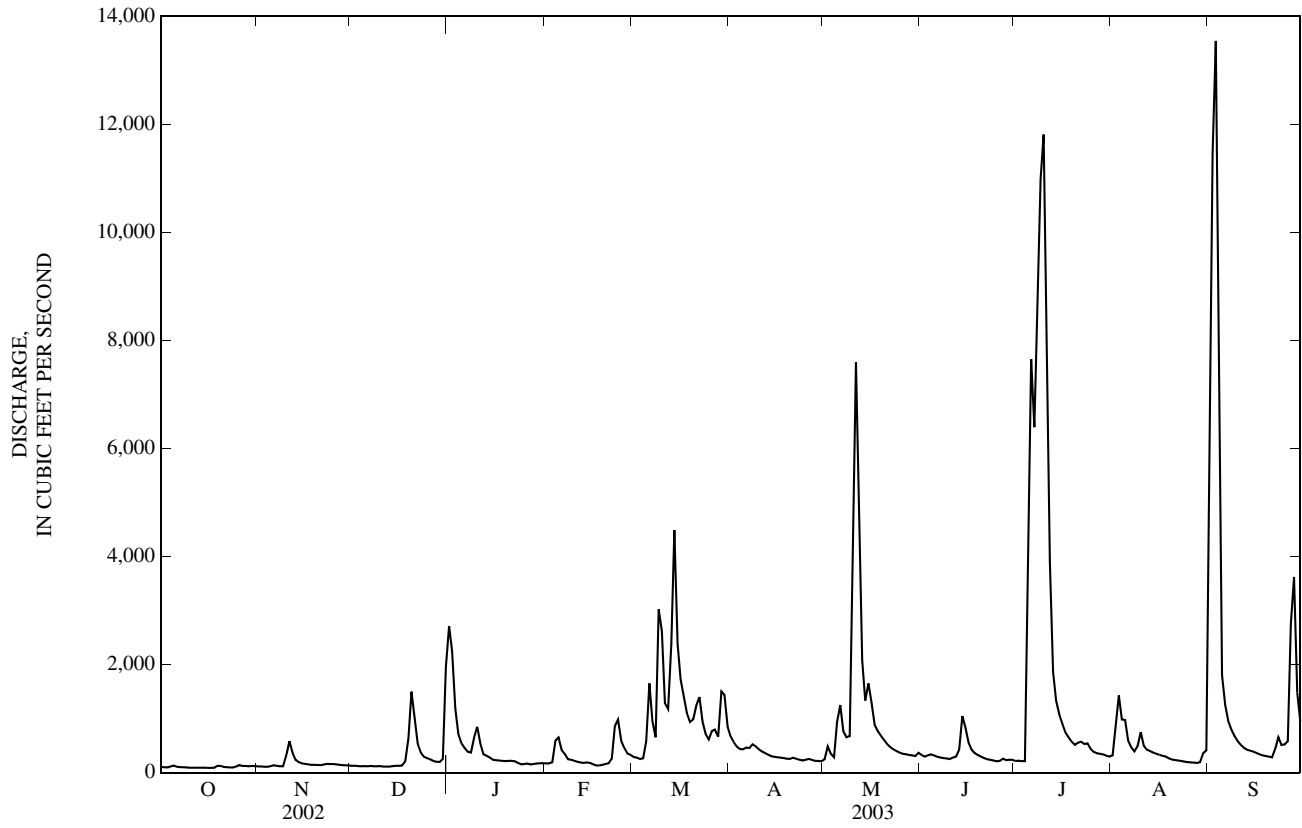
MEAN	579	281	554	315	649	774	830	1,074	450	868	280	653
MAX	1,712	547	1,258	479	1,011	1,271	1,661	1,886	577	2,427	430	1,864
(WY)	(2002)	(2002)	(2002)	(2003)	(2002)	(2003)	(2002)	(2002)	(2000)	(2003)	(2003)	(2003)
MIN	90.9	93.4	126	110	319	325	345	421	339	212	157	120
(WY)	(2000)	(2000)	(2000)	(2000)	(2003)	(2000)	(2003)	(2000)	(2003)	(2002)	(2002)	(2002)

## SUMMARY STATISTICS

	FOR 2002 CALENDAR YEAR	FOR 2003 WATER YEAR	WATER YEARS 1999 - 2003
ANNUAL TOTAL	227,574	282,288	
ANNUAL MEAN	623	773	609
HIGHEST ANNUAL MEAN			870
LOWEST ANNUAL MEAN			310
HIGHEST DAILY MEAN	10,300	May 14	13,500
LOWEST DAILY MEAN	83	Sep 12	89
ANNUAL SEVEN-DAY MINIMUM	86	Sep 12	91
MAXIMUM PEAK FLOW			15,200
MAXIMUM PEAK STAGE			17.24
10 PERCENT EXCEEDS	1,410	1,420	1,200
50 PERCENT EXCEEDS	267	310	296
90 PERCENT EXCEEDS	106	120	110

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 SE $\frac{1}{4}$ NE $\frac{1}{4}$  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 mi<sup>2</sup>.

PERIOD OF RECORD.--May 1968 to October 2003 (discontinued).

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

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 10, 1958, reached a stage of 15.5 ft, from floodmark determined by State of Indiana, Department of Natural Resources, discharge, 4,900 ft<sup>3</sup>/s.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	17	15	866	e20	e32	162	38	47	26	50	635
2	10	16	13	397	e27	e31	122	160	42	25	63	1,950
3	10	15	13	209	39	e30	98	115	44	23	107	1,050
4	11	17	14	139	239	e30	87	77	48	22	92	451
5	13	18	12	110	e110	87	147	597	45	1,490	103	229
6	12	21	12	90	e64	171	119	656	41	2,360	80	147
7	12	19	12	77	e47	104	143	307	39	1,640	64	103
8	11	19	12	80	e37	170	210	233	38	2,030	55	78
9	11	21	11	222	e31	1,020	144	304	37	3,430	54	63
10	11	47	11	200	e26	563	112	1,260	35	3,330	81	53
11	10	276	11	109	e23	316	95	1,890	36	1,740	60	47
12	10	103	11	e90	e20	409	82	999	40	1,310	50	41
13	9.9	50	11	e60	e18	793	69	428	59	774	45	38
14	9.7	35	12	e50	e16	998	62	255	88	393	43	36
15	10	28	12	e43	e15	548	59	307	84	272	42	38
16	10	24	12	e38	e15	426	56	253	59	221	40	38
17	10	22	13	e33	e14	338	54	176	48	175	40	34
18	10	20	16	e30	e14	251	50	140	43	149	38	30
19	15	18	43	e28	e15	213	47	116	40	128	36	28
20	13	17	236	e26	e18	285	45	100	36	110	35	26
21	12	16	174	e24	e25	353	44	85	33	128	34	24
22	11	18	85	e23	97	353	42	75	31	151	33	64
23	11	19	58	e22	181	201	39	69	30	116	32	152
24	11	23	45	e21	81	148	37	63	28	93	30	86
25	13	22	42	e20	e60	120	41	58	27	80	29	225
26	17	19	36	e20	e44	119	44	54	27	72	28	185
27	13	18	31	e20	e39	106	39	50	28	67	26	853
28	13	16	29	e19	e35	97	36	48	26	65	25	680
29	14	15	30	e19	---	637	35	47	25	62	28	256
30	18	16	107	e19	---	437	34	46	26	57	105	159
31	18	---	655	e19	---	221	---	53	---	53	71	---
TOTAL	369.6	985	1,794	3,123	1,370	9,607	2,354	9,059	1,230	20,592	1,619	7,799
MEAN	11.9	32.8	57.9	101	48.9	310	78.5	292	41.0	664	52.2	260
MAX	18	276	655	866	239	1,020	210	1,890	88	3,430	107	1,950
MIN	9.7	15	11	19	14	30	34	38	25	22	25	24
CFSM	0.11	0.29	0.51	0.89	0.43	2.74	0.69	2.59	0.36	5.88	0.46	2.30
IN.	0.12	0.32	0.59	1.03	0.45	3.16	0.77	2.98	0.40	6.78	0.53	2.57

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2003, BY WATER YEAR (WY)

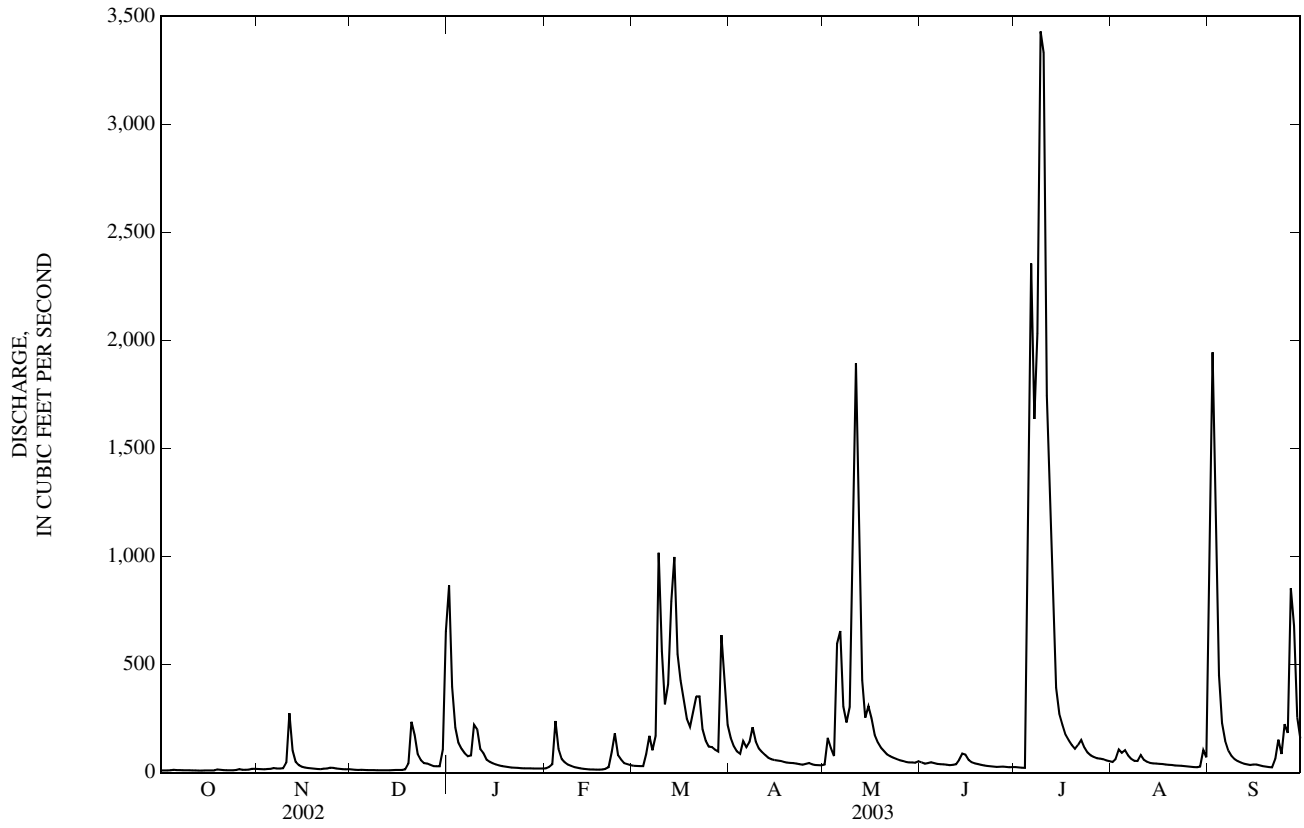
	MEAN	40.3	87.7	125	125	157	197	167	113	121	87.1	45.7	48.1
MAX	410	519	482	409	416	544	467	325	409	664	250	529	
(WY)	(2002)	(1993)	(1991)	(1974)	(1990)	(1982)	(1972)	(2002)	(1980)	(2003)	(1998)	(1989)	
MIN	3.66	6.71	7.31	5.29	16.5	42.4	33.3	19.1	10.3	7.94	4.97	3.23	
(WY)	(2000)	(1998)	(1977)	(1977)	(1995)	(1981)	(1971)	(1976)	(1988)	(1977)	(1988)	(1999)	

SUMMARY STATISTICS

	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1969 - 2003	
ANNUAL TOTAL	39,414.7		59,901.6			
ANNUAL MEAN	108		164		109	
HIGHEST ANNUAL MEAN					180	
LOWEST ANNUAL MEAN					32.7	
HIGHEST DAILY MEAN	2,680	May 13	3,430	Jul 9	3,840	Jul 14, 1992
LOWEST DAILY MEAN	7.7	Sep 12	9.7	Oct 14	2.0	Sep 27, 1999
ANNUAL SEVEN-DAY MINIMUM	8.5	Sep 11	9.9	Oct 11	2.2	Sep 22, 1999
MAXIMUM PEAK FLOW			4,170	Jul 9	5,630	Jul 13, 1992
MAXIMUM PEAK STAGE			13.77	Jul 9	15.00	Jul 13, 1992
ANNUAL RUNOFF (CFSM)	0.96		1.45		0.97	
ANNUAL RUNOFF (INCHES)	12.98		19.72		13.13	
10 PERCENT EXCEEDS	229		344		251	
50 PERCENT EXCEEDS	30		44		40	
90 PERCENT EXCEEDS	11		13		9.1	

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 SE $\frac{1}{4}$ SE $\frac{1}{4}$  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 mi<sup>2</sup>.

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 good except for estimated daily discharges, which are poor. Flow partially regulated by powerplant above station.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	174	180	184	4,500	268	531	1,610	377	630	331	455	4,450
2	148	170	174	3,830	280	489	1,310	783	536	321	605	11,500
3	136	169	160	2,530	316	460	1,080	921	518	312	1,750	14,700
4	144	161	144	1,560	938	423	946	634	570	296	1,510	14,100
5	179	167	144	1,180	1,340	643	917	1,780	549	3,500	1,480	4,650
6	190	189	146	969	919	2,030	954	3,520	501	10,700	1,100	2,410
7	154	208	141	822	700	1,820	932	2,400	473	12,900	805	1,780
8	147	195	140	784	e500	1,330	1,120	2,030	451	10,400	652	1,390
9	141	182	137	1,170	e460	4,170	1,090	1,640	437	14,700	598	1,160
10	136	269	129	1,800	e430	5,100	939	6,280	418	18,800	1,080	975
11	127	1,090	132	1,330	e370	2,990	832	13,000	411	17,300	904	836
12	126	e1,050	136	e840	e310	2,560	752	12,900	478	12,100	693	738
13	125	e657	136	e720	e280	3,720	673	7,250	553	5,250	621	662
14	121	e455	140	e640	e275	6,340	606	3,330	1,400	3,160	642	601
15	122	e345	156	e420	e295	5,440	568	3,280	1,420	2,490	569	586
16	121	295	155	e380	e220	3,610	550	3,110	1,040	2,300	475	541
17	118	264	153	e360	e200	3,010	530	2,180	794	1,770	437	497
18	119	246	176	e350	e195	2,430	513	1,750	664	1,450	421	454
19	149	230	481	e360	e210	2,000	486	1,510	579	1,230	377	428
20	193	219	1,760	e370	e240	2,120	478	1,300	519	1,050	341	404
21	e164	211	1,930	e330	e280	2,360	473	1,130	460	1,010	319	382
22	e144	221	1,110	e290	e460	2,960	471	991	414	1,150	300	553
23	e130	239	745	e260	1,180	2,200	450	893	386	1,050	282	1,110
24	e120	248	568	e225	1,470	1,610	424	820	359	954	262	1,030
25	143	248	502	e230	1,070	1,330	411	755	331	824	247	1,070
26	188	241	429	e240	785	1,320	410	697	314	708	229	1,300
27	217	223	378	e220	649	1,490	410	643	367	630	216	4,160
28	189	208	326	e240	574	1,300	405	603	366	593	208	6,230
29	190	195	316	e270	---	3,040	373	594	335	569	223	3,800
30	185	191	387	264	---	3,590	362	560	361	524	510	2,150
31	192	---	2,390	265	---	2,190	---	615	---	483	604	---
TOTAL	4,732	8,966	14,005	27,749	15,214	74,606	21,075	78,276	16,634	128,855	18,915	84,647
MEAN	153	299	452	895	543	2,407	702	2,525	554	4,157	610	2,822
MAX	217	1,090	2,390	4,500	1,470	6,340	1,610	13,000	1,420	18,800	1,750	14,700
MIN	118	161	129	220	195	423	362	377	314	296	208	382
CFSM	0.18	0.35	0.53	1.04	0.63	2.80	0.82	2.94	0.65	4.84	0.71	3.29
IN.	0.21	0.39	0.61	1.20	0.66	3.23	0.91	3.39	0.72	5.59	0.82	3.67

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2003, BY WATER YEAR (WY)

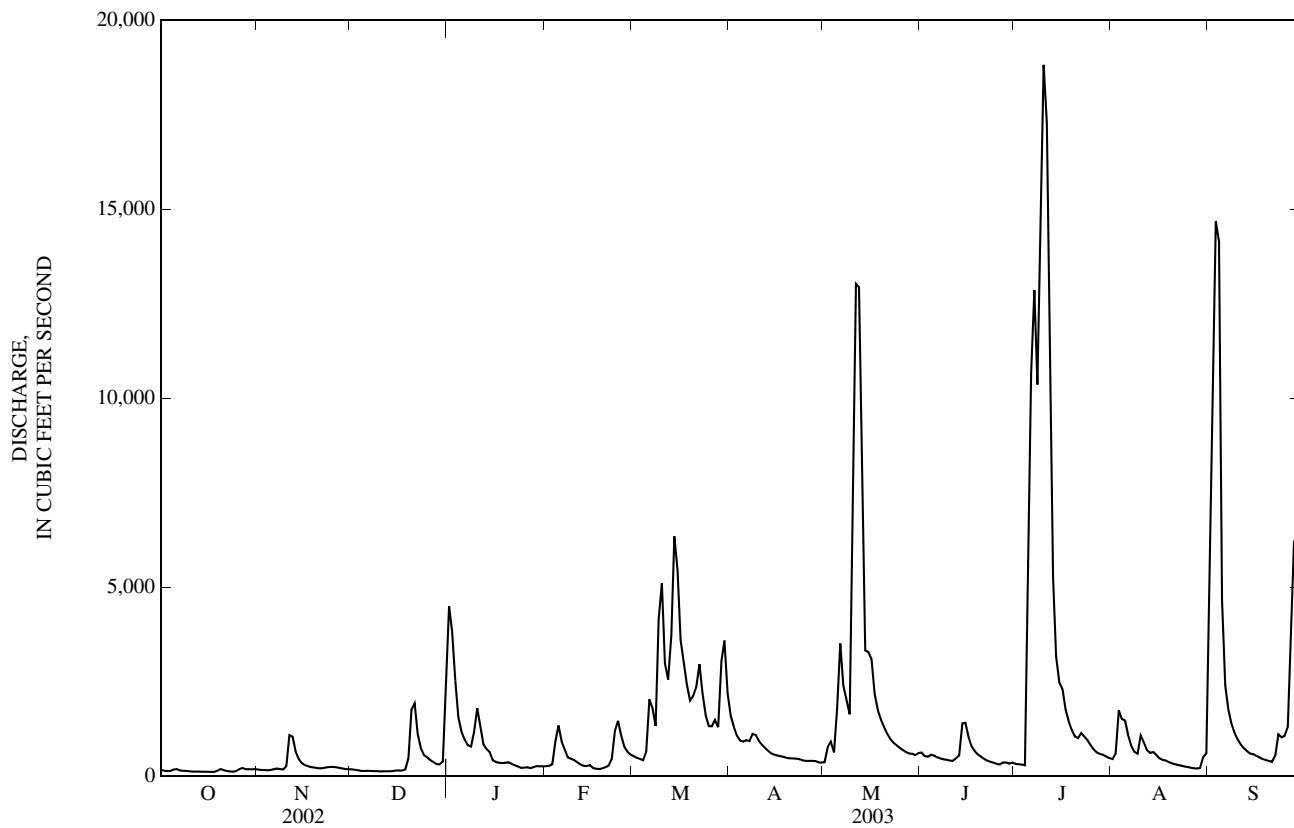
MEAN	321	590	867	1,131	1,263	1,560	1,484	1,029	901	636	366	346
MAX	2,845	3,359	3,472	6,494	3,485	3,732	4,281	3,236	4,432	4,157	2,264	3,143
(WY)	(2002)	(1994)	(1991)	(1950)	(1950)	(1978)	(1964)	(2002)	(1958)	(2003)	(1979)	(1989)
MIN	88.4	109	107	102	141	368	322	249	143	138	93.8	69.3
(WY)	(1964)	(1964)	(1964)	(1977)	(1964)	(1981)	(1971)	(1988)	(1988)	(1966)	(1988)	(1954)



03349000 WHITE RIVER AT NOBLESVILLE, IN—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1947 - 2003	
ANNUAL TOTAL	365,988		493,674			
ANNUAL MEAN	1,003		1,353		872	
HIGHEST ANNUAL MEAN					1,455	1950
LOWEST ANNUAL MEAN					266	1954
HIGHEST DAILY MEAN	16,900	May 14	18,800	Jul 10	25,400	Dec 31, 1990
LOWEST DAILY MEAN	59	Sep 12	118	Oct 17	44	Sep 28, 1954
ANNUAL SEVEN-DAY MINIMUM	67	Sep 11	122	Oct 12	58	Sep 23, 1954
MAXIMUM PEAK FLOW			20,400	Jul 10	27,000	Dec 31, 1990
MAXIMUM PEAK STAGE			21.86	Jul 10	21.86	Jul 10, 2003
ANNUAL RUNOFF (CF5M)	1.17		1.58		1.02	
ANNUAL RUNOFF (INCHES)	15.87		21.40		13.81	
10 PERCENT EXCEEDS	2,240		3,020		1,960	
50 PERCENT EXCEEDS	413		531		410	
90 PERCENT EXCEEDS	136		163		139	

e Estimated



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

## WATER-QUALITY RECORDS

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

Water quality data from White River, W Bank, 1 RMI US 116th St at Fishers, IN are being reported as part of the Source Water-Quality Assessment (SWQA). The SWQA is a two year study beginning in October 2002. The first year's research will discover the presence and quantity of specific constituents in the water. The follow up year will focus on source water versus treated water comparisons to characterize which, if any, of the most frequently detected compounds in source water are not sufficiently removed by treatment processes and to help identify those treatment processes and (or) systems that are effective at removing select contaminants.

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

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Organic carbon, water, fltrd, mg/L (00681)	E coli, modif. m-TEC, water, col/100 mL (90902)	1,4-Dichlorobenzene, water, fltrd, ug/L (34572)	1-Methylnaphthalene, water, fltrd, ug/L (62054)	1-Naphthol, water, fltrd, 0.7u GF ug/L (49295)
OCT													
31...	1330	224	752	13.3	8.4	1,080	8.0	8.9	3.6	15	<0.5	<0.5	<0.09
NOV													
14...	1030	544	745	9.1	7.8	652	12.0	9.0	6.3	110	<0.5	<0.5	<0.09
DEC													
17...	1130	222	751	16.5	8.5	1,030	2.0	2.4	3.4	120	<0.5	<0.5	<0.09
JAN													
10...	1030	2,330	746	12.2	8.2	700	4.0	3.9	3.9	460	<0.5	<0.5	<0.09
29...	1010	405	755	12.8	8.2	923	2.0	3.2	2.8	110	<0.5	<0.5	<0.09
FEB													
11...	1045	601	748	15.9	8.3	797	<-5.0	1.4	3.1	100	<0.5	<0.5	<0.09
27...	1130	900	751	15.5	8.2	681	0.0	1.0	4.5	66	<0.5	<0.5	<0.09
MAR													
18...	0950	3,350	733	11.6	8.0	528	19.0	7.8	5.2	230	<0.5	<0.5	--
APR													
14...	1040	818	749	12.6	8.0	727	28.0	12.6	4.4	--	<0.5	<0.5	<0.09
MAY													
07...	1000	3,940	734	8.2	7.8	504	23.0	17.0	5.8	1,800	<0.5	<0.5	<0.09
19...	1130	2,120	741	8.4	7.9	590	20.0	16.9	4.2	260	<0.5	<0.5	<0.09
JUN													
10...	1130	571	735	--	8.0	775	23.0	19.2	3.0	160	<0.5	<0.5	<0.09
27...	1030	429	738	8.8	8.3	799	25.0	23.6	3.1	140	<0.5	<0.5	<0.09
JUL													
07...	1140	16,600	732	5.6	7.6	316	32.0	23.8	7.6	770	<0.5	<0.5	<0.09
30...	1140	741	736	8.3	8.1	708	26.0	23.0	3.4	56	<0.5	<0.5	<0.09
AUG													
13...	0940	793	747	7.4	8.0	640	24.0	22.4	3.8	120	<0.5	<0.5	<0.09
SEP													
10...	0920	1,490	744	8.1	7.9	610	23.5	21.0	4.0	180	<0.5	<0.5	<0.09

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

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	2,4-D water, fltrd, ug/L (50470)	2,4-D water, fltrd, ug/L (39732)	2,4-DB water, fltrd 0.7u GF ug/L (38746)	2,6-Di- ethyl- aniline water fltrd 0.7u GF ug/L (82660)	2,6-Di- methyl- naphth- alene, water, fltrd, ug/L (62055)	2-[(2- Et-6-Me -Ph)- -amino] propan- 1-ol, ug/L (61615)	2Chloro -2,6-' diethyl acet- anilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	CEAT, water, fltrd, ug/L (04038)	2-Ethyl -6- methyl- aniline water, fltrd, ug/L (61620)	OIET, water, fltrd, ug/L (50355)	2- Methyl- naphth- alene, water, fltrd, ug/L (62056)	3,4-Di- chloro- aniline water, fltrd, ug/L (61625)
OCT 31...	<0.009	0.05	<0.02	<0.006	<0.5	<0.1	<0.005	E0.015	<0.04	<0.004	E0.056	<0.5	<0.004
NOV 14...	<0.009	0.15	<0.02	<0.006	<0.5	<0.1	<0.005	E0.050	E0.04	<0.004	E0.160	<0.5	<0.006
DEC 17...	<0.009	0.03	<0.02	<0.006	<0.5	<0.1	<0.005	E0.010	<0.04	<0.004	E0.042	<0.5	0.012
JAN 10...	<0.009	0.06	<0.02	<0.006	<0.5	<0.1	<0.005	E0.116	E0.03	<0.004	E0.212	<0.5	0.008
29...	<0.009	0.02	<0.02	<0.006	<0.5	<0.1	<0.005	E0.063	E0.02	<0.004	E0.070	<0.5	0.014
FEB 11...	<0.009	0.04	<0.02	<0.006	<0.5	<0.1	<0.005	E0.063	E0.02	<0.004	E0.124	<0.5	0.007
27...	<0.009	0.13	<0.02	<0.006	<0.5	<0.1	<0.005	E0.057	E0.02	<0.004	E0.131	<0.5	0.005
MAR 18...	<0.009	0.06	<0.02	--	<0.5	--	--	--	E0.01	--	E0.130	<0.5	--
APR 14...	<0.009	E0.02	<0.02	<0.006	<0.5	<0.1	<0.005	E0.025	E0.01	<0.004	E0.063	<0.5	E0.004
MAY 07...	E0.209	E1.18	<0.02	<0.006	<0.5	<0.1	<0.005	E0.482	E0.40	<0.004	E1.65	<0.5	0.007
19...	<0.009	0.18	<0.02	<0.006	<0.5	<0.1	<0.005	E0.541	E0.21	<0.004	E0.317	<0.5	<0.004
JUN 10...	<0.009	0.08	<0.02	<0.006	<0.5	<0.1	<0.005	E0.132	E0.07	<0.004	E0.154	<0.5	E0.004
27...	<0.009	0.12	<0.02	<0.006	<0.5	<0.1	<0.005	E0.138	E0.05	<0.004	E0.320	<0.5	<0.006
JUL 07...	<0.009	0.17	<0.02	<0.006	<0.5	<0.1	<0.005	E0.453	E0.015	E0.002	E1.59	<0.5	<0.004
30...	<0.009	0.03	<0.02	<0.006	<0.5	--	<0.005	E0.114	E0.04	E0.001	E0.232	<0.5	0.005
AUG 13...	<0.009	0.14	<0.02	<0.006	<0.5	<0.1	<0.005	E0.128	E0.06	E0.001	E0.226	<0.5	E0.004
SEP 10...	<0.009	<0.02	<0.02	<0.006	<0.5	<0.1	<0.005	E0.078	E0.04	<0.004	E0.233	<0.5	<0.004

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	3-beta- Copros- tanol, water, fltrd, ug/L (62057)	3- Hydroxy carbo- furan, wat flt 0.7u GF ug/L (49308)	3-Keto- carbo- furan, water, fltrd, ug/L (50295)	3- Methyl- 1H- indole, water, fltrd, ug/L (62058)	3-tert- Butyl- 4-hy- droxy- anisole wat flt ug/L (62059)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	4- Cumyl- phenol, water, fltrd, ug/L (62060)	4- Octyl- phenol, water, fltrd, ug/L (62061)	4- Nonyl- phenol, water, fltrd, ug/L (62085)	4-tert- Octyl- phenol, water, fltrd, ug/L (62062)	5-Meth- yl-1H- benzo- tri- azole, wat flt ug/L (62063)	9,10- Anthra- quinone water, fltrd, ug/L (62066)	Aceto- chlor ESA, water, fltrd 0.7u GF ug/L (61029)
OCT 31...	M	<0.006	<2	<1	<5	<0.006	<1	<1	E1	<1	<2	<0.5	<0.05
NOV 14...	M	<0.006	<2	<1	<5	<0.006	<1	<1	E1	<1	<2	<0.5	0.62
DEC 17...	<2	<0.006	<2	<1	<5	<0.006	<1	<1	<5	<1	<2	<0.5	<0.05
JAN 10...	<2	<0.006	<2	<1	<5	<0.006	<1	<1	<5	<1	<2	<0.5	0.22
29...	<2	<0.006	<2	<1	<5	<0.006	<1	<1	<5	<1	<2	<0.5	0.09
FEB 11...	<2	<0.006	<2	<1	<5	<0.006	<1	<1	<5	<1	<2	<0.5	0.19
27...	<2	<0.006	<2	<1	<5	<0.006	<1	<1	<5	<1	<2	<0.5	0.11
MAR 18...	<2	<0.006	<2	<1	<5	--	<1	<1	<5	<1	<2	<0.5	0.22
APR 14...	<2	<0.006	<2	<1	<5	<0.006	<1	<1	E2	<1	<2	<0.5	0.13
MAY 07...	M	<0.006	<2	<1	<5	<0.006	<1	<1	E1	<1	<2	E0.1	0.90
19...	<2	<0.006	<2	<1	<5	<0.006	<1	<1	E3	<1	<2	<0.5	0.50
JUN 10...	<2	<0.006	<2	<1	<5	<0.006	<1	<1	<5	<1	<2	<0.5	0.19
27...	<2	<0.006	<2	<1	<5	<0.006	<1	<1	E2	<1	<2	<0.5	0.22
JUL 07...	<2	<0.006	<2	<1	<5	<0.006	<1	<1	E2	<1	<2	<0.5	1.42
30...	<2	<0.006	<2	<1	<5	<0.006	<1	<1	<5	<1	<2	<0.5	0.28
AUG 13...	<2	<0.006	<2	<1	<5	<0.006	<1	<1	E6	<1	<2	<0.5	0.35
SEP 10...	<2	<0.006	<2	<1	<5	<0.006	<1	<1	<5	<1	<2	<0.5	0.26

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

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Aceto- chlor OA, water, fltrd 0.7u GF (61030)	Aceto- chlor, water, fltrd, ug/L (49260)	Aceto- phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Aci- fluor- fen, water, fltrd 0.7u GF (49315)	Ala- chlor ESA, water, fltrd 0.7u GF (50009)	Ala- chlor OA, water, fltrd 0.7u GF (61031)	Ala- chlor, water, fltrd, ug/L (46342)	Aldi- carb sulfone water, fltrd 0.7u GF (49313)	Aldi- carb sulf- oxide, wat flt 0.7u GF (49314)	Aldi- carb, water, fltrd 0.7u GF (49312)	Anthra- cene, water, fltrd, ug/L (34221)	Atra- zine, water, fltrd, ug/L (39632)
OCT 31...	<0.05	E0.005	<0.5	M	<0.007	0.11	0.05	<0.004	<0.02	<0.008	<0.04	<0.5	0.069
NOV 14...	0.71	0.238	<0.5	E0.1	<0.007	0.12	0.10	<0.004	<0.02	<0.008	<0.04	<0.5	0.520
DEC 17...	<0.05	E0.003	<0.5	E0.1	<0.007	0.13	0.07	<0.004	<0.02	<0.008	<0.04	<0.5	0.041
JAN 10...	0.18	0.009	<0.5	E0.1	<0.007	0.14	0.09	0.005	<0.02	<0.008	<0.04	<0.5	0.478
29...	0.08	E0.005	<0.5	E0.2	<0.007	0.06	0.08	<0.004	<0.02	<0.008	<0.04	<0.5	0.266
FEB 11...	0.11	E0.004	<0.5	E0.2	<0.007	0.24	0.10	E0.002	<0.02	<0.008	<0.04	<0.5	0.275
27...	0.08	E0.005	<0.5	E0.1	<0.007	0.05	0.05	0.005	<0.02	<0.008	<0.04	<0.5	0.215
MAR 18...	0.13	--	<0.5	E0.1	<0.007	0.12	0.06	--	<0.02	<0.008	<0.04	<0.5	--
APR 14...	0.06	0.012	<0.5	E0.1	<0.007	0.11	0.06	0.005	<0.02	<0.008	<0.04	<0.5	0.111
MAY 07...	1.15	4.32	<0.5	E0.1	<0.007	0.11	0.06	<0.009	<0.02	<0.008	<0.04	<0.5	20.1
19...	0.90	0.678	<0.5	E0.1	<0.007	0.15	0.08	0.034	<0.02	<0.008	<0.04	<0.5	6.77
JUN 10...	0.22	0.186	<0.5	E0.1	<0.007	<0.05	0.05	0.011	<0.02	<0.008	<0.04	<0.5	1.85
27...	0.21	0.070	<0.5	M	<0.007	0.10	0.07	0.006	<0.02	<0.008	<0.04	<0.5	1.14
JUL 07...	1.74	0.407	<0.5	<0.5	0.011	0.13	0.13	0.087	<0.02	<0.008	<0.04	<0.5	3.44
30...	0.34	0.049	<0.5	E0.1	<0.007	0.12	0.09	0.017	<0.02	<0.008	<0.04	<0.5	0.597
AUG 13...	0.41	0.034	<0.5	E0.1	<0.007	0.12	0.08	0.011	<0.02	<0.008	<0.04	<0.5	0.560
SEP 10...	0.17	0.017	<0.5	E0.1	<0.007	0.08	<0.05	0.007	<0.02	<0.008	<0.04	<0.5	0.358

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Azin- phos- methyl oxon, water, fltrd, ug/L (61635)	Azin- phos- methyl, water, fltrd 0.7u GF (82686)	Bendio- carb, water, fltrd, ug/L (50299)	Ben- flur- alin, water, fltrd 0.7u GF (82673)	Benomyl water, fltrd, ug/L (50300)	Bensul- furon, water, fltrd, ug/L (61693)	Ben- tazon, water, fltrd 0.7u GF (38711)	Benzo- [a]- pyrene, water, fltrd, ug/L (34248)	Benzo- phenone water, fltrd, ug/L (62067)	beta- Sitos- terol, water, fltrd, ug/L (62068)	beta- Stigma- stanol, water, fltrd, ug/L (62086)	Bispheno- l A, water, fltrd, ug/L (62069)	Bromo- cil, water, fltrd, ug/L (04029)
OCT 31...	<0.02	<0.050	<0.03	<0.010	<0.004	<0.02	E0.01	<0.5	<0.5	M	M	M	<0.03
NOV 14...	<0.02	<0.050	<0.03	<0.010	<0.004	<0.02	E0.01	<0.5	<0.5	M	<2	M	<0.03
DEC 17...	<0.02	<0.050	<0.03	<0.010	<0.004	<0.02	E0.01	<0.5	<0.5	<2	E1	M	<0.03
JAN 10...	<0.02	<0.050	<0.03	<0.010	<0.004	<0.02	E0.03	<0.5	<0.5	<2	<2	<1	<0.03
29...	<0.02	<0.050	<0.03	<0.010	<0.004	<0.02	E0.01	<0.5	<0.5	<2	<2	<1	<0.03
FEB 11...	<0.02	<0.050	<0.03	<0.010	<0.004	<0.02	E0.02	<0.5	<0.5	<2	<2	<1	<0.03
27...	<0.02	<0.050	<0.03	<0.010	<0.004	<0.02	E0.01	<0.5	<0.5	<2	<2	<1	<0.03
MAR 18...	--	--	<0.03	--	<0.004	<0.02	E0.01	<0.5	<0.5	<2	<2	<1	<0.03
APR 14...	<0.02	<0.050	<0.03	<0.010	<0.004	<0.02	<0.01	<0.5	<0.5	<2	<2	<1	<0.03
MAY 07...	<0.02	<0.050	<0.03	<0.010	E0.016	<0.02	E0.02	<0.5	<0.5	<2	E1	<1	<0.03
19...	<0.02	<0.050	<0.03	<0.010	<0.004	<0.02	E0.01	<0.5	<0.5	<2	<2	<1	<0.03
JUN 10...	<0.02	<0.050	<0.03	<0.010	<0.004	<0.02	<0.01	<0.5	<0.5	<2	<2	<1	<0.03
27...	<0.02	<0.050	<0.03	<0.010	<0.004	<0.02	E0.02	<0.5	<0.5	<2	<2	<1	<0.03
JUL 07...	<0.02	<0.050	<0.03	<0.010	0.040	<0.02	E0.10	<0.5	<0.5	<2	<2	<1	<0.03
30...	<0.02	<0.050	<0.03	<0.010	E0.009	<0.02	E0.06	<0.5	<0.5	<2	<2	<1	E0.01
AUG 13...	<0.02	<0.050	<0.03	<0.010	<0.004	<0.02	E0.04	<0.5	<0.5	<2	<2	<1	<0.03
SEP 10...	<0.02	<0.050	<0.03	<0.010	<0.008	<0.02	E0.03	<0.5	M	<2	<2	<1	<0.03

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

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Bromoxynil, water, fltrd, 0.7u GF ug/L (49311)	Caffeine, water, fltrd, ug/L (50305)	Camphor, water, fltrd, ug/L (62070)	Carbaryl, water, fltrd, 0.7u GF ug/L (49310)	Carbaryl, water, fltrd, 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Carbofuran, water, fltrd, 0.7u GF ug/L (49309)	Chloramben methyl ester, water, fltrd, ug/L (61188)	Chlorimuron, water, fltrd, ug/L (50306)	Chloro-di-amino-s-triazine, wat flt ug/L (04039)	Chlorothalonil, water, fltrd, 0.7u GF ug/L (49306)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	Chlorpyrifos water, fltrd, ug/L (38933)
OCT 31...	<0.02	M	<0.5	<0.03	<0.041	<0.5	<0.006	<0.02	<0.010	<0.01	<0.04	<0.06	<0.005
NOV 14...	<0.02	E0.1	<0.5	<0.03	E0.005	<0.5	<0.006	<0.02	<0.010	<0.01	<0.04	<0.06	<0.005
DEC 17...	<0.02	E0.1	<0.5	<0.03	<0.041	<0.5	<0.006	<0.02	<0.010	<0.01	<0.04	<0.06	<0.005
JAN 10...	<0.02	E0.1	<0.5	<0.03	<0.041	<0.5	<0.006	<0.02	E0.040	E0.01	<0.04	<0.06	<0.005
29...	<0.02	E0.2	<0.5	<0.03	<0.041	<0.5	<0.006	<0.02	<0.010	<0.01	<0.04	<0.06	<0.005
FEB 11...	<0.02	E0.2	<0.5	<0.03	<0.041	<0.5	<0.006	<0.02	E0.034	<0.01	<0.04	<0.06	<0.005
27...	<0.02	E0.1	<0.5	<0.03	<0.041	<0.5	<0.006	<0.02	<0.010	<0.01	<0.04	<0.06	<0.005
MAR 18...	<0.02	E0.1	<0.5	<0.03	<1	<0.5	<0.006	<0.02	<0.010	<0.01	<0.04	--	<0.5
APR 14...	<0.02	E0.1	<0.5	<0.03	<0.041	<0.5	<0.006	<0.02	<0.010	<0.01	<0.04	<0.06	<0.005
MAY 07...	<0.02	E0.1	<0.5	<0.03	E0.007	<0.5	<0.006	<0.02	E0.200	E0.04	<0.04	<0.06	E0.004
19...	<0.02	M	<0.5	<0.03	E0.006	<0.5	<0.006	<0.02	0.069	<0.01	<0.04	<0.06	0.008
JUN 10...	<0.02	M	<0.5	<0.03	<0.041	<0.5	<0.006	<0.02	<0.010	<0.01	<0.04	<0.06	<0.005
27...	<0.02	M	<0.5	<0.03	<0.041	<0.5	<0.006	<0.02	0.013	<0.01	<0.04	<0.06	<0.005
JUL 07...	M	E0.1	<0.5	E0.07	E0.025	<0.5	0.012	<0.02	0.029	E0.16	<0.04	<0.01	0.008
30...	<0.02	E0.1	<0.5	<0.03	E0.006	<0.5	<0.006	<0.02	<0.010	<0.01	<0.04	<0.06	<0.005
AUG 13...	<0.02	E0.1	<0.5	<0.03	E0.007	<0.5	<0.006	<0.02	<0.010	<0.01	<0.04	<0.06	<0.005
SEP 10...	<0.02	E0.1	<0.5	<0.03	E0.006	<0.5	<0.006	<0.02	<0.010	E0.02	<0.04	<0.06	<0.005

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Cholesterol, water, fltrd, ug/L (62072)	cis-Permethrin water fltrd, 0.7u GF ug/L (82687)	Clopyralid, water, fltrd, 0.7u GF ug/L (49305)	Cotinine, water, fltrd, ug/L (62005)	Cycloate, water, fltrd, ug/L (04031)	Cyfluthrin, water, fltrd, ug/L (61585)	Cypermethrin water, fltrd, ug/L (61586)	Dacthal mono-acid, water, fltrd, 0.7u GF ug/L (49304)	DCPA, water fltrd, 0.7u GF ug/L (82682)	DEET, water, fltrd, ug/L (62082)	Desulf-inyl fipronil, water, fltrd, ug/L (62170)	Diazinon oxon, water, fltrd, ug/L (61638)	Diazinon, water, fltrd, ug/L (39572)
OCT 31...	M	<0.006	<0.01	<1	<0.01	<0.008	<0.009	<0.01	<0.003	E0.1	<0.004	--	0.008
NOV 14...	M	<0.006	<0.01	<1	<0.01	<0.008	<0.009	<0.01	E0.002	E0.1	<0.004	--	0.013
DEC 17...	E1	<0.006	<0.01	<1	<0.01	<0.008	<0.009	<0.01	<0.003	M	<0.004	--	0.007
JAN 10...	<2	<0.006	<0.01	<1	<0.01	<0.008	<0.009	<0.01	<0.003	M	<0.004	--	E0.004
29...	<2	<0.006	<0.01	M	<0.01	<0.008	<0.009	<0.01	<0.003	E0.2	<0.004	<0.04	E0.005
FEB 11...	<2	<0.006	<0.01	<1	<0.01	<0.008	<0.009	<0.01	<0.003	<0.5	<0.004	<0.04	<0.005
27...	<2	<0.006	<0.01	<1	<0.01	<0.008	<0.009	<0.01	<0.003	M	<0.004	<0.04	<0.005
MAR 18...	<2	--	<0.01	<1	<0.01	--	--	<0.01	--	M	--	--	<0.5
APR 14...	<2	<0.006	<0.01	<1	<0.01	<0.008	<0.009	<0.01	<0.003	E0.1	<0.004	<0.04	<0.005
MAY 07...	M	<0.006	0.05	<1	<0.01	<0.008	<0.009	<0.01	<0.003	E0.1	<0.004	<0.01	0.011
19...	<2	<0.006	<0.01	<1	<0.01	<0.008	<0.009	<0.01	<0.003	E0.1	<0.004	<0.01	E0.004
JUN 10...	<2	<0.006	<0.01	<1	<0.01	<0.008	<0.009	<0.01	<0.003	E0.2	<0.004	<0.01	<0.005
27...	<2	<0.006	<0.01	<1	<0.01	<0.008	<0.009	<0.01	<0.003	E0.2	<0.004	<0.01	0.006
JUL 07...	<2	<0.006	0.04	<1	<0.01	<0.008	<0.009	<0.01	E0.001	E0.1	E0.003	<0.01	0.012
30...	<2	<0.006	<0.01	<1	<0.01	<0.008	<0.009	<0.01	<0.003	E0.3	<0.004	<0.01	E0.004
AUG 13...	<2	<0.006	<0.01	<1	<0.01	<0.008	<0.009	<0.01	<0.003	1.7	<0.004	<0.01	0.007
SEP 10...	<2	<0.006	<0.01	<1	<0.01	<0.008	<0.009	<0.01	<0.003	E0.2	<0.004	<0.01	<0.005

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

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Dicamba water fltrd 0.7u GF ug/L (38442)	Di- chlor- prop, water, fltrd 0.7u GF ug/L (49302)	Dicro- tophos, water fltrd, ug/L (38454)	Diel- drin, water, fltrd, ug/L (39381)	Di- ethoxy- nonyl- phenol, water, fltrd, ug/L (62083)	Di- ethoxy- octyl- phenol, water, fltrd ug/L (61705)	Dimeth- enamid ESA, water, fltrd, ug/L (61951)	Dimeth- enamid OA, water, fltrd, ug/L (62482)	Dimeth- oate, water, fltrd 0.7u GF ug/L (82662)	Dinoseb water, fltrd 0.7u GF ug/L (49301)	Diphen- amid, water, fltrd, ug/L (04033)	Diuron, water, fltrd 0.7u GF ug/L (49300)	D-Limo- nene, water, fltrd, ug/L (62073)
OCT 31...	<0.01	<0.01	<0.08	<0.005	E2	M	<0.05	<0.05	<0.006	<0.01	<0.03	<0.01	<0.5
NOV 14...	<0.01	<0.01	<0.08	<0.005	E1	<1	0.07	<0.05	<0.006	<0.01	<0.03	E0.01	<0.5
DEC 17...	<0.01	<0.01	<0.08	<0.005	<5	<1	<0.05	<0.05	<0.006	<0.01	<0.03	<0.01	<0.5
JAN 10...	<0.01	<0.01	<0.08	<0.005	<5	<1	<0.05	<0.05	<0.006	<0.01	<0.03	<0.01	<0.5
29...	<0.01	<0.01	<0.08	<0.005	<5	<1	<0.05	<0.05	<0.006	<0.01	<0.03	<0.01	<0.5
FEB 11...	<0.01	<0.01	<0.08	<0.005	<5	<1	<0.05	<0.05	<0.006	<0.01	<0.03	<0.01	<0.5
27...	<0.01	<0.01	<0.08	<0.005	<5	<1	<0.05	<0.05	<0.006	<0.01	<0.03	<0.01	<0.5
MAR 18...	<0.01	<0.01	--	--	<5	<1	<0.05	<0.05	--	<0.01	<0.03	<0.01	<0.5
APR 14...	<0.01	<0.01	<0.08	<0.005	<5	<1	<0.05	<0.05	<0.006	<0.01	<0.03	<0.01	<0.5
MAY 07...	0.05	<0.01	<0.08	<0.005	E2	<1	0.05	<0.05	<0.006	<0.01	<0.03	E0.24	<0.5
19...	<0.01	<0.01	<0.08	E0.004	E2	<1	0.05	<0.05	<0.006	<0.01	<0.03	0.03	<0.5
JUN 10...	<0.01	<0.01	<0.08	<0.005	<5	<1	<0.05	<0.05	<0.006	<0.01	<0.03	E0.01	<0.5
27...	<0.01	<0.01	<0.08	<0.005	<5	<1	<0.05	<0.05	<0.006	<0.01	<0.03	E0.01	<0.5
JUL 07...	0.10	E0.02	<0.08	<0.005	<5	<1	0.11	0.05	<0.006	<0.01	<0.03	0.04	<0.5
30...	<0.01	<0.01	<0.08	<0.005	<5	<1	0.06	<0.05	<0.006	<0.01	<0.03	<0.01	<0.5
AUG 13...	<0.01	<0.01	<0.08	<0.005	<5	<1	<0.05	<0.05	<0.006	<0.01	<0.03	<0.01	<0.5
SEP 10...	<0.01	<0.01	<0.08	<0.005	<5	<1	<0.05	<0.05	<0.006	<0.01	<0.03	<0.01	<0.5

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Ethoxy- octyl- phenol, water, fltrd ug/L (61706)	Fenami- phos sulfone water, fltrd, ug/L (61645)	Fenami- phos sulf- oxide, water, fltrd, ug/L (61646)	Fenami- phos, water, fltrd, ug/L (61591)	Fenuron water, fltrd 0.7u GF ug/L (49297)	Desulf- inyl- fipro- nil amide, wat flt ug/L (62169)	Fipro- nil sulfide water, fltrd, ug/L (62167)	Fipro- nil sulfone water, fltrd, ug/L (62168)	Fipro- nil, water, fltrd, ug/L (62166)	Flufen- acet ESA, water, fltrd, ug/L (61952)	Flufe- nacet OA, water, fltrd, ug/L (62483)
OCT 31...	<0.03	<0.004	M	<0.008	<0.03	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007	<0.05	<0.05
NOV 14...	<0.03	<0.004	M	<0.008	<0.03	<0.03	<0.03	<0.009	<0.005	<0.005	E0.012	<0.05	<0.05
DEC 17...	<0.03	<0.004	<1	<0.008	<0.03	<0.03	<0.03	<0.009	<0.005	<0.005	E0.006	<0.05	<0.05
JAN 10...	<0.03	<0.004	<1	<0.008	<0.03	<0.03	<0.03	<0.009	<0.005	<0.005	E0.007	<0.05	<0.05
29...	<0.03	<0.004	<1	<0.008	<0.03	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007	<0.05	<0.05
FEB 11...	<0.03	<0.004	<1	<0.008	<0.03	<0.03	<0.03	<0.009	<0.005	<0.005	E0.002	<0.05	<0.05
27...	<0.03	<0.004	<1	<0.008	<0.03	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007	<0.05	<0.05
MAR 18...	--	--	<1	--	--	--	<0.03	--	--	--	--	<0.05	<0.05
APR 14...	<0.03	<0.004	<1	<0.008	<0.03	<0.03	<0.03	<0.009	<0.005	<0.005	E0.007	<0.05	<0.05
MAY 07...	<0.03	<0.004	<1	<0.008	<0.03	<0.03	<0.03	<0.009	<0.005	<0.005	E0.008	<0.05	<0.05
19...	<0.03	<0.004	<1	<0.008	<0.12	<0.03	<0.03	<0.009	<0.005	<0.005	E0.007	<0.05	<0.05
JUN 10...	<0.03	<0.004	<1	<0.008	<0.03	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007	<0.05	<0.05
27...	<0.03	<0.004	<1	<0.031	<0.03	<0.03	<0.03	<0.031	<0.005	<0.005	<0.007	<0.05	<0.05
JUL 07...	<0.03	<0.004	<1	<0.008	<0.03	<0.03	<0.03	<0.009	E0.004	<0.007	E0.011	<0.05	<0.05
30...	<0.03	<0.004	<1	<0.008	<0.03	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007	<0.05	<0.05
AUG 13...	<0.03	<0.004	<1	<0.008	<0.03	<0.03	<0.03	<0.009	<0.005	<0.006	E0.006	<0.05	<0.05
SEP 10...	<0.03	<0.004	<1	<0.008	<0.03	<0.03	<0.03	<0.009	<0.005	<0.005	<0.007	<0.05	<0.05

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

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Fluomet-sulam, water, fltrd, ug/L (61694)	Fluo-meturon water fltrd 0.7u GF ug/L (38811)	Fluor-anthene water, fltrd, ug/L (34377)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	HHCB, water, fltrd, ug/L (62075)	Hexa-zinone, water, fltrd, ug/L (04025)	Imaza-quin, water, fltrd, ug/L (50356)	Imaze-thapyr, water, fltrd, ug/L (50407)	Imida-cloprid water, fltrd, ug/L (61695)	Indole, water, fltrd, ug/L (62076)	Ipro-dione, water, fltrd, ug/L (61593)	Isobor-neol, water, fltrd, ug/L (62077)
OCT 31...	<0.01	<0.03	<0.5	<0.002	<0.003	M	--	<0.02	<0.02	<0.007	<0.5	<1	<0.5
NOV 14...	<0.01	<0.03	<0.5	<0.002	<0.003	M	--	<0.02	<0.02	<0.007	E0.1	<1	<0.5
DEC 17...	<0.01	<0.03	<0.5	<0.002	<0.003	M	--	<0.02	<0.02	<0.007	<0.5	<1	<0.5
JAN 10...	<0.01	<0.03	<0.5	<0.002	<0.003	M	--	<0.02	<0.02	<0.007	<0.5	<1	<0.5
29...	<0.01	<0.03	<0.5	<0.002	<0.003	E0.1	--	<0.02	<0.02	<0.007	E0.1	<1	<0.5
FEB 11...	<0.01	<0.03	<0.5	<0.002	<0.003	M	--	M	<0.02	<0.007	<0.5	<1	<0.5
27...	<0.01	<0.03	<0.5	<0.002	<0.003	M	--	<0.02	<0.02	<0.007	M	<1	<0.5
MAR 18...	<0.01	<0.03	<0.5	--	--	M	--	E0.01	E0.03	<0.007	<0.5	--	<0.5
APR 14...	<0.01	<0.03	<0.5	<0.002	<0.003	<0.5	--	<0.02	E0.01	<0.007	<0.5	<1	<0.5
MAY 07...	E0.05	<0.03	M	<0.002	<0.003	E0.1	--	E0.15	E0.13	E0.022	M	<1	<0.5
19...	<0.01	<0.03	<0.5	<0.002	<0.003	E0.1	<0.013	E0.02	E0.06	<0.007	<0.5	<1	<0.5
JUN 10...	<0.01	<0.03	<0.5	<0.002	<0.003	<0.5	<0.013	<0.02	<0.02	<0.007	<0.5	<1	<0.5
27...	<0.01	<0.03	<0.5	<0.002	<0.003	<0.5	<0.013	E0.01	<0.02	E0.006	<0.5	<1	<0.5
JUL 07...	E0.05	<0.03	<0.5	<0.002	<0.003	<0.5	<0.013	E0.05	E0.13	0.037	<0.5	<1	<0.5
30...	E0.02	<0.03	<0.5	<0.002	<0.003	E0.1	<0.013	M	E0.02	<0.007	<0.5	<1	<0.5
AUG 13...	<0.02	<0.03	<0.5	<0.002	<0.003	E0.1	<0.013	<0.02	<0.02	<0.007	<0.5	<1	<0.5
SEP 10...	E0.02	<0.03	<0.5	<0.002	<0.003	M	<0.013	<0.02	E0.02	<0.031	<0.5	<1	<0.5

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Iso-butyl alcohol -d6, surrog, wat unfr pct rcv (62835)	Isofen-phos, water, fltrd, ug/L (61594)	Iso-phorone water, fltrd, ug/L (34409)	Iso-propyl-benzene water, fltrd, ug/L (62078)	Iso-quin-oline, water, fltrd, ug/L (62079)	Linuron water fltrd 0.7u GF (38478)	Mala-oxon, water, fltrd, ug/L (61652)	Mala-thion, water, fltrd, ug/L (39532)	MCPA, water, fltrd 0.7u GF (38482)	MCPB, water, fltrd 0.7u GF (38487)	Menthol water, fltrd, ug/L (62080)	Meta-laxyl, water, fltrd, ug/L (50359)	Meta-laxyl, water, fltrd, ug/L (61596)
OCT 31...	102	<0.003	<0.5	<0.5	<0.5	<0.01	<0.008	<0.027	E0.01	<0.01	<0.5	<0.02	<0.005
NOV 14...	103	<0.003	<0.5	<0.5	<0.5	<0.01	<0.006	<0.027	M	<0.01	<0.5	<0.02	<0.005
DEC 17...	104	<0.003	<0.5	<0.5	<0.5	<0.01	<0.008	<0.027	<0.02	<0.01	<0.5	<0.02	<0.005
JAN 10...	113	<0.003	<0.5	<0.5	<0.5	<0.01	<0.008	<0.027	<0.02	<0.01	<0.5	<0.02	<0.005
29...	110	<0.003	<0.5	<0.5	<0.5	<0.01	<0.008	<0.027	<0.02	<0.01	<0.5	<0.02	<0.005
FEB 11...	97.6	<0.003	<0.5	<0.5	<0.5	<0.01	<0.008	<0.027	<0.02	<0.01	<0.5	<0.02	<0.005
27...	129	<0.003	<0.5	<0.5	<0.5	<0.01	<0.008	<0.027	<0.02	<0.01	<0.5	<0.02	<0.005
MAR 18...	98.2	--	<0.5	<0.5	<0.5	<0.01	--	--	<0.02	<0.01	<0.5	0.02	--
APR 14...	77.1	<0.003	<0.5	<0.5	<0.5	<0.01	<0.008	<0.027	<0.02	<0.01	<0.5	<0.02	<0.005
MAY 07...	128	<0.003	<0.5	<0.5	<0.5	<0.01	<0.008	<0.027	0.06	<0.01	<0.5	<0.02	0.015
19...	145	<0.003	<0.5	<0.5	<0.5	<0.01	<0.008	<0.027	<0.02	<0.01	<0.5	E0.01	<0.005
JUN 10...	95.2	<0.003	<0.5	<0.5	<0.5	<0.01	<0.008	<0.027	<0.02	<0.01	<0.5	E0.01	<0.005
27...	126	<0.003	<0.5	<0.5	<0.5	<0.01	<0.008	<0.027	<0.02	<0.01	<0.5	<0.02	<0.006
JUL 07...	112	<0.003	<0.5	<0.5	<0.5	<0.01	<0.008	<0.027	E0.01	<0.01	<0.5	E0.12	<0.008
30...	99.0	<0.003	<0.5	<0.5	<0.5	<0.01	<0.008	<0.027	<0.02	<0.01	<0.5	<0.02	<0.005
AUG 13...	100	<0.003	<0.5	<0.5	<0.5	<0.01	<0.008	<0.027	<0.02	<0.01	<0.5	<0.02	<0.005
SEP 10...	91.0	<0.003	<0.5	<0.5	<0.5	<0.01	<0.008	<0.027	<0.02	<0.01	<0.5	E0.01	<0.005

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

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Methi- alithion water, fltrd, ug/L (61598)	Methio- carb, water, fltrd 0.7u GF ug/L (38501)	Meth- omyl, water, fltrd 0.7u GF ug/L (49296)	Methyl acetate water unfltrd ug/L (77032)	Methyl para- oxon, water, fltrd, ug/L (61664)	Methyl para- thion, water, fltrd 0.7u GF ug/L (82667)	Methyl salicy- late, water, fltrd, ug/L (62081)	Metola- chlor ESA, water, fltrd 0.7u GF ug/L (61043)	Metola- chlor OA, water, fltrd 0.7u GF ug/L (61044)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Metsul- furon, water, fltrd, ug/L (61697)	Myclo- butanil water, fltrd, ug/L (61599)
OCT 31...	<0.006	<0.008	<0.004	<0.4	<0.03	<0.006	<0.5	0.19	0.09	E0.012	<0.006	E0.06	<0.008
NOV 14...	<0.006	<0.008	<0.004	<0.4	<0.03	<0.006	E0.1	1.36	0.80	0.138	0.012	<0.03	<0.008
DEC 17...	<0.006	<0.008	<0.004	<0.4	<0.03	<0.006	<0.5	0.21	0.09	E0.009	<0.006	<0.03	<0.008
JAN 10...	<0.006	<0.008	<0.004	<0.4	<0.03	<0.006	<0.5	1.01	0.64	0.159	0.013	<0.03	<0.008
29...	<0.006	<0.008	<0.004	<0.4	<0.03	<0.006	<0.5	0.46	0.18	0.050	0.006	<0.03	<0.008
FEB 11...	<0.006	<0.008	<0.004	<0.4	<0.03	<0.006	<0.5	1.28	0.44	0.067	0.007	<0.03	<0.008
27...	<0.006	<0.008	<0.004	<0.4	<0.03	<0.006	<0.5	0.57	0.23	0.082	0.011	<0.03	<0.008
MAR 18...	--	<0.008	<0.004	<0.4	--	--	<0.5	1.06	0.48	E0.1	--	<0.03	--
APR 14...	<0.006	<0.008	<0.004	<0.4	<0.03	<0.006	<0.5	0.72	0.27	0.040	<0.006	<0.03	<0.008
MAY 07...	<0.006	<0.008	<0.004	<0.4	<0.03	<0.006	M	1.25	0.69	2.93	0.055	<0.03	<0.008
19...	<0.006	<0.008	<0.004	<0.4	<0.03	<0.006	<0.5	1.63	1.07	2.70	0.044	<0.03	<0.008
JUN 10...	<0.006	<0.008	<0.004	<0.4	<0.03	<0.006	<0.5	0.53	0.27	0.534	0.007	<0.03	<0.008
27...	<0.006	<0.008	<0.004	<0.4	<0.03	<0.006	<0.5	0.66	0.24	0.317	<0.006	<0.03	<0.008
JUL 07...	<0.006	<0.008	<0.004	<0.4	<0.03	<0.006	<0.5	2.07	1.47	1.77	0.078	<0.03	<0.008
30...	<0.006	<0.008	<0.004	<0.4	<0.03	<0.006	<0.5	0.85	0.45	0.284	0.006	<0.03	<0.008
AUG 13...	<0.006	<0.008	<0.004	<0.4	<0.03	<0.006	<0.5	1.09	0.62	0.240	0.008	<0.03	<0.008
SEP 10...	<0.006	<0.008	<0.004	<0.4	<0.03	<0.006	<0.5	0.84	0.42	0.158	<0.006	<0.03	<0.008

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	N-(4- Chloro- phenyl) -N'- methyl- urea, ug/L (61692)	Naphth- alene, water, fltrd, ug/L (34443)	Neburon water, fltrd 0.7u GF ug/L (49294)	Nico- sul- furon, water, fltrd, ug/L (50364)	Norflur azon, water, fltrd 0.7u GF ug/L (49293)	Ory- zalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)	p- Cresol, water, fltrd, ug/L (62084)	Penta- chloro- phenol, water, fltrd, ug/L (34459)	Phenan- threne, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)
OCT 31...	<0.02	<0.5	<0.01	<0.01	<0.02	<0.02	<0.01	<1	M	<0.5	E0.2	<0.10	<0.011
NOV 14...	<0.02	<0.5	<0.01	<0.01	<0.02	<0.02	<0.01	<1	<2	<0.5	E0.4	<0.10	<0.011
DEC 17...	<0.02	<0.5	<0.01	<0.01	<0.02	<0.02	<0.01	<1	<2	<0.5	<0.5	<0.10	<0.011
JAN 10...	<0.02	<0.5	<0.01	<0.01	<0.02	<0.02	<0.01	<1	<2	<0.5	<0.5	<0.10	<0.011
29...	<0.02	<0.5	<0.01	<0.01	<0.02	<0.02	<0.01	M	<2	<0.5	<0.5	<0.10	<0.011
FEB 11...	<0.02	<0.5	<0.01	<0.01	<0.02	<0.02	<0.01	<1	<2	<0.5	E0.3	<0.10	<0.011
27...	<0.02	<0.5	<0.01	<0.01	<0.02	<0.02	<0.01	M	<2	<0.5	E0.2	<0.10	<0.011
MAR 18...	<0.02	<0.5	<0.01	<0.01	<0.02	<0.02	<0.01	<1	<2	<0.5	<0.5	--	--
APR 14...	<0.02	<0.5	<0.01	<0.01	<0.02	<0.02	<0.01	<1	<2	<0.5	E0.2	<0.10	<0.011
MAY 07...	<0.02	<0.5	<0.01	<0.01	<0.02	<0.02	<0.01	<1	M	<0.5	<0.5	<0.10	<0.011
19...	<0.02	<0.5	<0.01	<0.01	<0.02	<0.02	<0.01	<1	<2	<0.5	E0.2	<0.10	<0.011
JUN 10...	<0.02	<0.5	<0.01	<0.01	<0.02	<0.02	<0.01	<1	<2	<0.5	E0.4	<0.10	<0.011
27...	<0.02	<0.5	<0.01	<0.01	<0.02	<0.02	<0.01	<1	<2	<0.5	<0.5	<0.10	<0.011
JUL 07...	<0.02	<0.5	<0.01	E0.09	<0.02	<0.02	<0.01	<1	<2	<0.5	1.0	<0.10	<0.011
30...	<0.02	<0.5	<0.01	<0.01	<0.02	<0.02	<0.01	<1	<2	<0.5	1.0	<0.10	<0.011
AUG 13...	<0.02	<0.5	<0.01	<0.01	<0.02	<0.02	<0.01	<1	<2	<0.5	E0.2	<0.10	<0.011
SEP 10...	<0.02	<0.5	<0.01	<0.01	<0.02	<0.02	<0.01	<1	<2	<0.5	E0.3	<0.10	<0.011



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

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Picloram, water, fltrd, 0.7u GF ug/L (49291)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Pronamide, water, fltrd, 0.7u GF ug/L (82676)	Propham water fltrd, 0.7u GF ug/L (49236)	Propiconazole, water, fltrd, ug/L (50471)	Propoxur, water, fltrd, 0.7u GF ug/L (38538)	Pyrene, water, fltrd, ug/L (34470)	Siduron water, fltrd, ug/L (38548)	Simazine, water, fltrd, ug/L (04035)	Sulfometuron, water, fltrd, ug/L (50337)
OCT 31...	<0.06	<0.008	<0.02	0.02	<0.005	<0.004	<0.010	<0.02	<0.008	<0.5	<0.02	0.013	<0.009
NOV 14...	<0.06	<0.008	<0.02	E0.01	<0.005	<0.004	<0.010	<0.02	<0.008	<0.5	<0.02	0.161	<0.009
DEC 17...	<0.06	<0.008	<0.02	E0.01	<0.005	<0.004	<0.010	<0.02	<0.008	<0.5	<0.02	0.009	<0.009
JAN 10...	<0.06	<0.008	<0.02	0.02	<0.005	<0.004	<0.010	<0.02	<0.008	<0.5	<0.02	0.073	<0.009
JAN 29...	<0.06	<0.008	<0.02	E0.01	<0.005	<0.004	<0.010	<0.02	<0.008	<0.5	<0.02	0.037	<0.009
FEB 11...	<0.06	<0.008	<0.02	E0.01	<0.005	<0.004	<0.010	<0.02	<0.008	<0.5	<0.02	0.042	<0.009
FEB 27...	<0.06	<0.008	<0.02	E0.01	<0.005	<0.004	<0.010	<0.02	<0.008	<0.5	<0.02	0.072	<0.009
MAR 18...	--	--	<0.02	<0.5	--	--	<0.010	<0.02	<0.008	<0.5	<0.02	--	<0.009
APR 14...	<0.06	<0.008	<0.02	E0.01	<0.005	<0.004	<0.010	<0.02	<0.008	<0.5	<0.02	0.020	<0.009
MAY 07...	<0.06	<0.008	<0.02	0.02	<0.005	<0.004	<0.010	<0.02	<0.008	M	E0.01	2.30	E0.010
MAY 19...	<0.06	<0.008	<0.02	0.02	<0.005	<0.004	<0.010	<0.02	<0.008	<0.5	<0.02	0.547	<0.009
JUN 10...	<0.06	<0.008	<0.02	E0.01	<0.005	<0.004	<0.010	<0.02	<0.008	<0.5	<0.02	0.120	<0.009
JUN 27...	<0.06	<0.008	<0.02	0.02	<0.005	<0.004	<0.010	<0.02	<0.008	<0.5	<0.02	0.080	<0.009
JUL 07...	<0.06	<0.008	0.16	0.05	<0.005	<0.004	<0.010	0.04	<0.008	<0.5	<0.02	0.243	<0.009
JUL 30...	<0.06	<0.008	<0.02	0.02	<0.005	<0.004	<0.010	<0.02	<0.008	<0.5	<0.02	0.033	<0.009
AUG 13...	<0.06	<0.008	<0.02	0.05	<0.005	<0.004	<0.010	<0.02	<0.008	<0.5	<0.02	0.037	<0.009
SEP 10...	<0.06	<0.008	<0.02	0.02	<0.005	<0.004	<0.010	<0.02	<0.008	<0.5	<0.02	0.085	<0.009

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Tebu-thiuron water fltrd, 0.7u GF ug/L (82670)	Terbacil, water, fltrd, ug/L (04032)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd, 0.7u GF ug/L (82675)	Terbutylazine, water, fltrd, ug/L (04022)	tert-Amyl alcohol water unfltrd, ug/L (77073)	tert-Butyl alcohol water unfltrd, ug/L (77035)	Tetra-chloro-ethene, water, fltrd, ug/L (34476)	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phosphate, water, fltrd, ug/L (62089)	Tri-clopyr, water, fltrd, 0.7u GF ug/L (49235)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)
OCT 31...	<0.02	<0.010	<0.07	<0.02	M	<0.43	<1	<0.5	<0.5	<0.5	0.08	M	M
NOV 14...	E0.01	<0.010	<0.07	<0.02	E0.01	<0.43	<1	<0.5	<0.5	<0.5	0.21	M	E0.1
DEC 17...	<0.02	<0.010	<0.07	<0.02	0.01	<0.43	<1	<0.5	<0.5	E0.1	E0.02	<1	M
JAN 10...	<0.02	<0.010	<0.07	<0.02	<0.01	<0.43	<1	<0.5	<0.5	<0.5	0.04	<1	M
JAN 29...	<0.02	<0.010	<0.07	<0.02	<0.01	<0.43	<1	<0.5	<0.5	<0.5	<0.02	<1	E0.2
FEB 11...	<0.02	<0.010	<0.07	<0.02	<0.01	<0.43	<1	<0.5	<0.5	<0.5	0.02	<1	<0.5
FEB 27...	<0.02	<0.010	<0.07	<0.02	<0.01	<0.43	<1	<0.5	<0.5	<0.5	<0.02	M	M
MAR 18...	--	<0.010	--	--	--	<0.43	<1	<0.5	<0.5	<0.5	<0.02	<1	<0.5
APR 14...	<0.02	<0.010	<0.07	<0.02	<0.01	<0.43	<1	<0.5	<0.5	M	<0.02	<1	M
MAY 07...	<0.02	<0.010	<0.07	<0.02	<0.01	<0.43	<1	<0.5	<0.5	<0.5	0.07	<1	<0.5
MAY 19...	<0.02	<0.010	<0.07	<0.02	E0.01	<0.43	<1	<0.5	<0.5	<0.5	<0.02	<1	<0.5
JUN 10...	<0.02	<0.010	<0.07	<0.02	<0.01	<0.43	<1	<0.5	<0.5	<0.5	<0.02	<1	<0.5
JUN 27...	<0.02	<0.010	<0.07	<0.02	0.02	<0.43	<1	<0.5	<0.5	<0.5	<0.02	<1	<0.5
JUL 07...	<0.02	<0.010	<0.07	<0.02	M	<0.43	<1	<0.5	<0.5	<0.5	0.07	<1	<0.5
JUL 30...	E0.01	<0.010	<0.07	<0.02	E0.01	<0.43	<1	<0.5	<0.5	<0.5	<0.02	<1	<0.5
AUG 13...	E0.01	<0.010	<0.07	<0.02	M	<0.43	<1	<0.5	<0.5	<0.5	<0.02	<1	<0.5
SEP 10...	<0.02	<0.010	<0.07	<0.02	<0.01	<0.43	<1	<0.5	<0.5	M	<0.02	<1	<0.5

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

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Tri-fluor-alin, water, fltrd 0.7u GF (82661)	Tri-phenyl-phosphate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phosphate, wat flt ug/L (62087)	Tris(di-chloro-i-Pr) phosphate, wat flt ug/L (62088)	1,1,1,2-Tetra-chloro-ethane, water, unfltrd ug/L (77562)	1,1,1-Tri-chloro-ethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetra-chloro-ethane, water, unfltrd ug/L (34516)	CFC-113 water unfltrd ug/L (77652)	1,1,2-Tri-chloro-ethane, water, unfltrd ug/L (34511)	1,1-Di-chloro-ethane, water, unfltrd ug/L (34496)	1,1-Di-chloro-ethene, water, unfltrd ug/L (34501)	1,1-Di-chloro-propene water unfltrd ug/L (77168)
OCT 31...	<0.009	<0.5	<0.5	E0.1	M	<0.03	<0.03	<0.09	<0.06	<0.06	<0.04	<0.04	<0.05
NOV 14...	E0.004	M	<0.5	E0.1	E0.1	<0.03	<0.03	<0.09	<0.06	<0.06	<0.04	<0.04	<0.05
DEC 17...	<0.009	<0.5	<0.5	E0.1	<0.5	<0.03	<0.03	<0.09	<0.06	<0.06	<0.04	<0.04	<0.05
JAN 10...	<0.009	<0.5	<0.5	M	<0.5	<0.03	<0.03	<0.09	<0.06	<0.06	<0.04	<0.04	<0.05
29...	<0.009	<0.5	<0.5	<0.5	<0.5	<0.03	<0.03	<0.09	<0.06	<0.06	<0.04	<0.04	<0.05
FEB 11...	<0.009	<0.5	<0.5	<0.5	<0.5	<0.03	<0.03	<0.09	<0.06	<0.06	<0.04	<0.04	<0.05
27...	<0.009	<0.5	E0.2	<0.5	<0.5	<0.03	<0.03	<0.09	<0.06	<0.06	<0.04	<0.04	<0.05
MAR 18...	--	<0.5	<0.5	<0.5	<0.5	<0.03	<0.03	<0.09	<0.06	<0.06	<0.04	<0.04	<0.05
APR 14...	<0.009	<0.5	<0.5	<0.5	<0.5	<0.03	<0.03	<0.09	<0.06	<0.06	<0.04	<0.04	<0.05
MAY 07...	<0.009	<0.5	<0.5	<0.5	<0.5	<0.03	<0.03	<0.09	<0.06	<0.06	<0.04	<0.04	<0.05
19...	<0.009	M	<0.5	<0.5	<0.5	<0.03	<0.03	<0.09	<0.06	<0.06	<0.04	<0.04	<0.05
JUN 10...	<0.009	<0.5	E0.3	<0.5	M	<0.03	<0.03	<0.09	<0.06	<0.06	<0.04	<0.04	<0.05
27...	<0.009	<0.5	E0.3	M	<0.5	<0.03	<0.03	<0.09	<0.06	<0.06	<0.04	<0.04	<0.05
JUL 07...	<0.009	<0.5	<0.5	<0.5	<0.5	<0.03	<0.03	<0.09	<0.06	<0.06	<0.04	<0.04	<0.05
30...	<0.009	<0.5	E0.2	E0.1	E0.1	<0.03	<0.03	<0.09	<0.06	<0.06	<0.04	<0.04	<0.05
AUG 13...	<0.009	<0.5	E0.2	E0.1	E0.1	<0.03	<0.03	<0.09	<0.06	<0.06	<0.04	<0.04	<0.05
SEP 10...	<0.009	M	<0.5	M	M	<0.03	<0.03	<0.09	<0.06	<0.06	<0.04	<0.04	<0.05

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	1,2,3,4 Tetra-methyl-benzene water unfltrd ug/L (49999)	1,2,3,5 Tetra-methyl-benzene water unfltrd ug/L (50000)	1,2,3-Tri-chloro-benzene water unfltrd ug/L (77613)	1,2,3-Tri-chloro-propane water unfltrd ug/L (77443)	1,2,3-Tri-methyl-benzene water unfltrd ug/L (77221)	1,2,4-Tri-chloro-benzene water unfltrd ug/L (34551)	1,2,4-Tri-methyl-benzene water unfltrd ug/L (77222)	Dibromo-bromopropane water unfltrd ug/L (82625)	1,2-Di-bromo-ethane, water, unfltrd ug/L (77651)	1,2-Di-chloro-benzene water unfltrd ug/L (34536)	1,2-Di-chloro-ethane, water, unfltrd ug/L (32103)	1,2-Di-chloro-propane water unfltrd ug/L (34541)	1,3,5-Tri-methyl-benzene water unfltrd ug/L (77226)
OCT 31...	<0.2	<0.2	<0.3	<0.16	<0.1	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04
NOV 14...	<0.2	<0.2	<0.3	<0.16	<0.1	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04
DEC 17...	<0.2	<0.2	<0.3	<0.16	<0.1	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04
JAN 10...	<0.2	<0.2	<0.3	<0.16	<0.1	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04
29...	<0.2	<0.2	<0.3	<0.16	<0.1	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04
FEB 11...	<0.2	<0.2	<0.3	<0.16	<0.1	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04
27...	<0.2	<0.2	<0.3	<0.16	<0.1	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04
MAR 18...	<0.2	<0.2	<0.3	<0.16	<0.1	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04
APR 14...	<0.2	<0.2	<0.3	<0.16	<0.1	<0.1	E0.06	<0.5	<0.04	<0.03	<0.1	<0.03	E0.02
MAY 07...	<0.2	<0.2	<0.3	<0.16	<0.1	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04
19...	<0.2	<0.2	<0.3	<0.16	<0.1	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04
JUN 10...	<0.2	<0.2	<0.3	<0.16	<0.1	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04
27...	<0.2	<0.2	<0.3	<0.16	<0.1	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04
JUL 07...	<0.2	<0.2	<0.3	<0.16	<0.1	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04
30...	<0.2	<0.2	<0.3	<0.16	<0.1	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04
AUG 13...	<0.2	<0.2	<0.3	<0.16	<0.1	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04
SEP 10...	<0.2	<0.2	<0.3	<0.16	<0.1	<0.1	<0.06	<0.5	<0.04	<0.03	<0.1	<0.03	<0.04

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

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	1,3-Di-chloro-benzene water unfltrd ug/L (34566)	1,3-Di-chloro-propane water unfltrd ug/L (77173)	1,4-Di-chloro-benzene water unfltrd ug/L (34571)	2,2-Di-chloro-propane water unfltrd ug/L (77170)	2-Chloro-toluene water unfltrd ug/L (77275)	2-Ethyl-toluene water unfltrd ug/L (77220)	3-Chloro-propene water unfltrd ug/L (78109)	4-Chloro-toluene water unfltrd ug/L (77277)	4-Iso-propyl-toluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)	Acrylo-nitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromo-benzene water unfltrd ug/L (81555)
OCT 31...	<0.03	<0.1	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04	<0.04
NOV 14...	<0.03	<0.1	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04	<0.04
DEC 17...	<0.03	<0.1	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04	<0.04
JAN 10...	<0.03	<0.1	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04	<0.04
29...	<0.03	<0.1	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	E0.01	<0.04
FEB 11...	<0.03	<0.1	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04	<0.04
27...	<0.03	<0.1	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	E2	<1	E0.02	<0.04
MAR 18...	<0.03	<0.1	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04	<0.04
APR 14...	<0.03	<0.1	<0.05	<0.05	<0.04	E0.02	<0.12	<0.05	<0.12	<7	<1	E0.02	<0.04
MAY 07...	<0.03	<0.1	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04	<0.04
19...	<0.03	<0.1	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04	<0.04
JUN 10...	<0.03	<0.1	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	E0.02	<0.04
27...	<0.03	<0.1	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04	<0.04
JUL 07...	<0.03	<0.1	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04	<0.04
30...	<0.03	<0.1	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04	<0.04
AUG 13...	<0.03	<0.1	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04	<0.04
SEP 10...	<0.03	<0.1	<0.05	<0.05	<0.04	<0.06	<0.12	<0.05	<0.12	<7	<1	<0.04	<0.04

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Bromo-chloro-methane water unfltrd ug/L (77297)	Bromo-di-chloro-methane water unfltrd ug/L (32101)	Bromo-ethene, water, unfltrd ug/L (50002)	Bromo-methane water unfltrd ug/L (34413)	Carbon di-sulfide water unfltrd ug/L (77041)	Chloro-benzene water unfltrd ug/L (34301)	Chloro-ethane, water, unfltrd ug/L (34311)	Chloro-methane water unfltrd ug/L (34418)	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unfltrd ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)
OCT 31...	<0.12	0.11	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	0.54	E0.1	<0.05	<0.18	<0.2
NOV 14...	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	0.23	<0.2	<0.05	<0.18	<0.2
DEC 17...	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	0.35	<0.2	<0.05	<0.18	<0.2
JAN 10...	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	E0.07	<0.2	<0.05	<0.18	<0.2
29...	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	0.32	<0.2	<0.05	<0.18	<0.2
FEB 11...	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	0.23	<0.2	<0.05	<0.18	<0.2
27...	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	0.19	<0.2	<0.05	<0.18	<0.2
MAR 18...	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	E0.09	<0.2	<0.05	<0.18	<0.2
APR 14...	<0.12	E0.04	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	E0.05	<0.2	<0.05	<0.18	<0.2
MAY 07...	<0.12	E0.03	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	E0.02	<0.2	<0.05	<0.18	<0.2
19...	<0.12	E0.03	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	E0.09	<0.2	<0.05	<0.18	<0.2
JUN 10...	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	E0.08	<0.2	<0.05	<0.18	<0.2
27...	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	0.30	<0.2	<0.05	<0.18	<0.2
JUL 07...	<0.12	<0.05	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	E0.03	<0.2	<0.05	<0.18	<0.2
30...	<0.12	E0.03	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	E0.07	<0.2	<0.05	<0.18	<0.2
AUG 13...	<0.12	E0.06	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	E0.07	<0.2	<0.05	<0.18	<0.2
SEP 10...	<0.12	E0.04	<0.1	<0.3	<0.07	<0.03	<0.1	<0.2	E0.08	<0.2	<0.05	<0.18	<0.2

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

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Diethyl ether, water, unfltrd ug/L (81576)	Diisopropyl ether, water, unfltrd ug/L (81577)	Ethyl methacrylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethylbenzene, water, unfltrd ug/L (34371)	Hexachlorobutadiene, water, unfltrd ug/L (39702)	Hexachloroethane, water, unfltrd ug/L (34396)	Iodomethane, water, unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)	Iso-propylbenzene, water, unfltrd ug/L (77223)	Methacrylonitrile, water, unfltrd ug/L (81593)	Methyl acrylate, water, unfltrd ug/L (49991)	Methyl methacrylate, water, unfltrd ug/L (81597)
OCT 31...	<0.2	<0.10	<0.2	<5.0	<0.03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3
NOV 14...	<0.2	<0.10	<0.2	<5.0	<0.03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3
DEC 17...	<0.2	<0.10	<0.2	<5.0	<0.03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3
JAN 10...	<0.2	<0.10	<0.2	<5.0	<0.03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3
29...	<0.2	<0.10	<0.2	<5.0	<0.03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3
FEB 11...	<0.2	<0.10	<0.2	<5.0	<0.03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3
27...	<0.2	<0.10	<0.2	<5.0	<0.03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3
MAR 18...	<0.2	<0.10	<0.2	<5.0	<0.03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3
APR 14...	<0.2	<0.10	<0.2	<5.0	E0.02	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3
MAY 07...	<0.2	<0.10	<0.2	<5.0	<0.03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3
19...	<0.2	<0.10	<0.2	<5.0	<0.03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3
JUN 10...	<0.2	<0.10	<0.2	<5.0	<0.03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3
27...	<0.2	<0.10	<0.2	<5.0	<0.03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3
JUL 07...	<0.2	<0.10	<0.2	<5.0	<0.03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3
30...	<0.2	<0.10	<0.2	<5.0	<0.03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3
AUG 13...	<0.2	<0.10	<0.2	<5.0	<0.03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3
SEP 10...	<0.2	<0.10	<0.2	<5.0	<0.03	<0.1	<0.2	<0.35	<0.4	<0.06	<0.6	<2.0	<0.3

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta+para-Xylene, water, unfltrd ug/L (85795)	Naphthalene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene, water, unfltrd ug/L (77342)	n-propylbenzene, water, unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)	sec-Butylbenzene, water, unfltrd ug/L (77350)	Styrene, water, unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butylbenzene, water, unfltrd ug/L (77353)	Tetrachloroethene, water, unfltrd ug/L (34475)
OCT 31...	<0.08	<0.06	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	<0.2	<0.10	0.16
NOV 14...	<0.08	<0.06	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	E0.05	<0.05	<0.2	<0.10	E0.10
DEC 17...	<0.08	<0.06	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	<0.2	<0.10	0.12
JAN 10...	<0.08	<0.06	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	<0.2	<0.10	E0.05
29...	<0.08	<0.06	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	<0.2	<0.10	0.12
FEB 11...	<0.08	<0.06	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	<0.2	<0.10	E0.08
27...	<0.08	<0.06	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	<0.2	<0.10	E0.08
MAR 18...	<0.08	<0.06	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	<0.2	<0.10	E0.04
APR 14...	<0.08	E0.10	<0.5	<0.7	<0.2	<0.04	E0.05	<0.06	<0.04	<0.05	<0.2	<0.10	E0.02
MAY 07...	<0.08	<0.06	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	<0.2	<0.10	<0.03
19...	<0.08	<0.06	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	<0.2	<0.10	E0.02
JUN 10...	<0.08	E0.01	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	<0.2	<0.10	E0.02
27...	<0.08	<0.06	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	<0.2	<0.10	0.10
JUL 07...	<0.08	<0.06	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	E0.1	<0.10	<0.03
30...	<0.08	<0.06	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	<0.2	<0.10	E0.03
AUG 13...	<0.08	<0.06	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	<0.2	<0.10	E0.02
SEP 10...	<0.08	<0.06	<0.5	<0.7	<0.2	<0.04	<0.07	<0.06	<0.04	<0.05	<0.2	<0.10	E0.04

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

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Tetra- chloro- methane water unfltrd ug/L (32102)	Tetra- hydro- furan, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	trans- 1,2-Di- chloro- ethene, water, unfltrd ug/L (34546)	trans- 1,3-Di- chloro- propene water unfltrd ug/L (34699)	trans- 1,4-Di- chloro- 2- butene, wat unfl ug/L (73547)	Tri- bromo- methane water unfltrd ug/L (32104)	Tri- chloro- ethene, water, unfltrd ug/L (39180)	Tri- chloro- fluoro- methane water unfltrd ug/L (34488)	Tri- chloro- methane water unfltrd ug/L (32106)	Vinyl chlor- ide, water, unfltrd ug/L (39175)	Di- chlor- vos, water fltrd, ug/L (38775)
OCT 31...	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	E0.07	<0.09	0.30	<0.1	<0.01
NOV 14...	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	E0.04	<0.09	E0.07	<0.1	E0.01
DEC 17...	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	E0.05	<0.09	E0.02	<0.1	<0.01
JAN 10...	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	E0.02	<0.09	E0.01	<0.1	<0.01
29...	<0.06	<2	E0.03	<0.03	<0.09	<0.7	<0.10	E0.05	<0.09	E0.01	<0.1	<0.01
FEB 11...	<0.06	<2	E0.02	<0.03	<0.09	<0.7	<0.10	E0.03	<0.09	E0.03	<0.1	<0.01
27...	<0.06	<2	E0.04	<0.03	<0.09	<0.7	<0.10	E0.04	<0.09	E0.02	<0.1	<0.01
MAR 18...	<0.06	<2	E0.03	<0.03	<0.09	<0.7	<0.10	E0.02	<0.09	E0.04	<0.1	<1.00
APR 14...	<0.06	<2	0.22	<0.03	<0.09	<0.7	<0.10	<0.04	<0.09	E0.07	<0.1	<0.01
MAY 07...	<0.06	<2	E0.02	<0.03	<0.09	<0.7	<0.10	<0.04	<0.09	E0.09	<0.1	<0.01
19...	<0.06	<2	E0.03	<0.03	<0.09	<0.7	<0.10	<0.04	<0.09	E0.10	<0.1	<0.01
JUN 10...	<0.06	<2	E0.02	<0.03	<0.09	<0.7	<0.10	<0.04	<0.09	E0.04	<0.1	<0.01
27...	<0.06	<2	E0.02	<0.03	<0.09	<0.7	<0.10	E0.04	<0.09	E0.05	<0.1	<0.01
JUL 07...	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	<0.04	<0.09	E0.06	<0.1	E0.01
30...	<0.06	<2	E0.02	<0.03	<0.09	<0.7	<0.10	E0.01	<0.09	E0.08	<0.1	<0.01
AUG 13...	<0.06	<2	E0.03	<0.03	<0.09	<0.7	<0.10	<0.04	<0.09	0.19	<0.1	<0.01
SEP 10...	<0.06	<2	<0.05	<0.03	<0.09	<0.7	<0.10	<0.04	<0.09	0.12	<0.1	<0.01

WABASH RIVER BASIN

03350700 STONY CREEK NEAR NOBLESVILLE, IN

LOCATION.--Lat 40°01'44", long 85°59'44", in NE¼NE¼ 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 mi<sup>2</sup>.

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 2002 TO SEPTEMBER 2003  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.7	8.9	10	209	e13	23	80	31	30	15	19	1,320
2	8.9	8.0	9.8	149	e14	24	63	77	28	14	19	1,450
3	8.7	8.1	9.4	104	e21	23	54	46	27	13	43	628
4	9.9	8.3	9.1	75	113	23	49	38	26	13	71	340
5	11	9.2	9.1	63	e52	81	45	165	24	254	65	158
6	9.6	10	9.0	52	e36	114	37	132	22	391	39	121
7	9.0	9.7	8.9	46	e30	69	43	148	21	409	30	94
8	9.0	9.1	9.0	54	e25	119	43	109	20	191	26	74
9	8.8	8.8	8.6	122	e22	323	39	114	19	971	24	61
10	8.8	40	8.7	96	e20	180	36	673	18	1,120	37	51
11	8.6	97	9.2	e54	e19	137	34	991	18	702	28	44
12	8.0	41	9.0	e41	e18	147	31	404	23	252	23	39
13	7.8	26	9.3	e35	e17	245	29	196	43	149	20	32
14	7.7	20	10	e28	e16	247	27	149	129	113	31	29
15	8.0	17	9.9	e25	e16	179	27	265	80	115	108	27
16	8.1	15	9.5	e24	e15	161	25	179	51	121	37	25
17	7.9	14	9.5	e23	e14	136	26	134	39	82	30	24
18	8.1	13	11	e21	e14	111	24	114	33	68	23	23
19	9.6	13	41	e19	e13	102	22	95	29	56	19	22
20	9.3	12	102	e18	e13	116	23	79	24	46	18	21
21	8.4	12	58	e17	e15	135	23	65	22	46	17	19
22	8.2	14	37	e16	70	126	21	57	21	48	16	47
23	7.9	13	27	e15	101	90	20	51	20	43	14	60
24	7.6	13	23	e14	55	73	20	46	19	34	13	38
25	9.8	12	23	e14	37	67	25	42	18	30	13	36
26	13	12	19	e14	31	87	28	39	18	28	12	43
27	9.6	11	16	e13	28	73	24	36	19	25	12	259
28	8.9	11	16	e13	25	69	22	36	18	26	13	171
29	9.2	11	16	e13	---	200	23	37	17	24	24	117
30	9.9	11	49	e12	---	143	21	32	17	22	34	85
31	9.9	---	205	e12	---	102	---	36	---	20	23	---
TOTAL	277.9	508.1	801.0	1,411	863	3,725	984	4,616	893	5,441	901	5,458
MEAN	8.96	16.9	25.8	45.5	30.8	120	32.8	149	29.8	176	29.1	182
MAX	13	97	205	209	113	323	80	991	129	1,120	108	1,450
MIN	7.6	8.0	8.6	12	13	23	20	31	17	13	12	19
CFSM	0.18	0.33	0.51	0.90	0.61	2.37	0.65	2.93	0.59	3.46	0.57	3.58
IN.	0.20	0.37	0.59	1.03	0.63	2.73	0.72	3.38	0.65	3.98	0.66	4.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2003, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)																																								
	20.3	181	(2002)	2.41	(1996)	44.7	287	(1993)	3.96	(2000)	55.7	235	(1991)	4.99	(1998)	56.1	145	(1974)	3.87	(1977)	75.8	190	(1990)	6.26	(1998)	85.0	203	(1978)	14.1	(2000)	78.7	160	(1972)	16.9	(1971)	66.9	229	(1996)	16.1	(1988)	49.3	241	(1998)	6.50	(1988)	34.4	176	(2003)	3.25	(1977)	20.8	80.5	(1979)	3.84	(1988)	21.9	210	(1989)	3.38	(1995)

SUMMARY STATISTICS

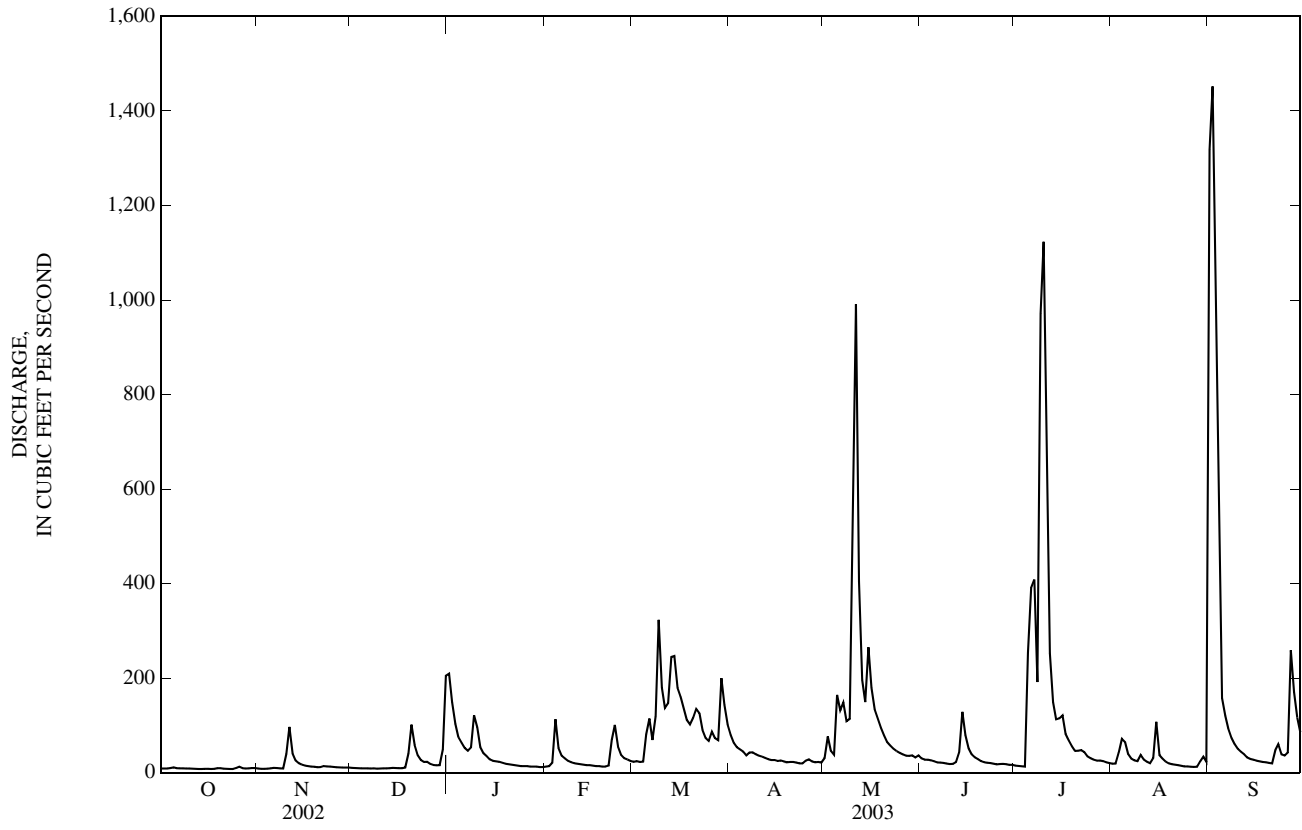
FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1968 - 2003

ANNUAL TOTAL	19,886.9	25,879.0	
ANNUAL MEAN	54.5	70.9	50.6
HIGHEST ANNUAL MEAN			83.0
LOWEST ANNUAL MEAN			15.4
HIGHEST DAILY MEAN	1,300	May 13	1,760
LOWEST DAILY MEAN	5.3	Sep 18	0.88
ANNUAL SEVEN-DAY MINIMUM	5.6	Sep 12	0.96
MAXIMUM PEAK FLOW			2,260
MAXIMUM PEAK STAGE			9.21
ANNUAL RUNOFF (CFSM)	1.07	1.40	1.00
ANNUAL RUNOFF (INCHES)	14.56	18.95	13.54
10 PERCENT EXCEEDS	122	145	114
50 PERCENT EXCEEDS	23	25	23
90 PERCENT EXCEEDS	8.0	9.2	5.7

03350700 STONY CREEK NEAR NOBLESVILLE, IN—Continued



## 03351000 WHITE RIVER NEAR NORA, IN

LOCATION.--Lat 39°54'35", long 86°06'20", in NW $\frac{1}{4}$ NW $\frac{1}{4}$  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 mi<sup>2</sup>.

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 ft<sup>3</sup>/s.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	226	218	252	5,590	394	711	2,250	611	893	416	611	8,190
2	204	204	244	5,210	401	664	1,820	1,030	775	407	630	15,300
3	188	196	232	3,670	446	624	1,520	1,270	732	396	1,610	16,500
4	220	198	220	2,300	1,030	590	1,330	940	756	384	1,980	18,300
5	245	201	211	1,720	1,750	817	1,240	2,130	739	3,280	1,980	10,300
6	235	236	208	1,410	1,390	2,060	1,220	4,510	683	10,800	1,560	3,690
7	209	232	200	1,180	1,030	2,540	1,220	3,880	639	15,900	1,080	2,680
8	188	228	227	1,070	759	1,830	1,320	3,250	620	14,200	844	2,090
9	183	210	200	1,410	e660	4,700	1,380	2,580	576	15,300	790	1,710
10	179	512	199	2,270	e600	6,580	1,210	5,940	563	22,900	1,180	1,410
11	175	e900	218	2,030	e560	4,360	1,080	15,000	544	24,100	1,300	1,200
12	168	1,180	216	1,310	e480	3,290	992	17,300	667	18,800	970	1,030
13	167	704	210	989	e435	4,260	903	12,900	830	9,590	796	907
14	163	542	228	e960	e430	7,380	817	5,400	1,520	4,760	720	817
15	164	438	234	e700	e450	7,440	767	4,500	1,810	3,610	873	760
16	162	382	232	e600	e400	4,930	737	4,400	1,400	3,520	632	697
17	159	345	230	e560	e372	4,020	777	3,200	1,040	2,850	674	641
18	160	322	246	e540	e370	3,280	760	2,500	848	2,360	590	584
19	197	313	532	e560	e380	2,690	679	2,130	741	1,990	513	545
20	205	292	1,530	e560	e400	2,680	655	1,860	658	1,680	453	518
21	215	289	2,360	e505	e425	2,910	650	1,630	585	1,580	417	490
22	191	308	1,530	e460	657	3,700	651	1,410	527	1,700	385	887
23	173	307	975	e420	1,480	3,050	597	1,270	481	1,610	361	1,380
24	164	313	730	e370	1,840	2,240	546	1,160	439	1,400	343	1,530
25	211	309	689	e380	1,480	1,850	589	1,070	416	1,230	315	1,360
26	255	302	607	e390	1,070	1,780	673	991	427	1,030	345	1,830
27	246	293	513	e335	889	1,840	615	911	442	930	403	4,560
28	221	280	465	e375	779	1,730	554	855	460	884	404	7,850
29	231	272	439	404	---	3,580	519	858	427	816	511	6,240
30	231	260	555	406	---	4,740	509	797	430	743	786	3,350
31	224	---	2,320	388	---	3,170	---	835	---	667	843	---
TOTAL	6,159	10,786	17,252	39,072	21,357	96,036	28,580	107,118	21,668	169,833	24,899	117,346
MEAN	199	360	557	1,260	763	3,098	953	3,455	722	5,478	803	3,912
MAX	255	1,180	2,360	5,590	1,840	7,440	2,250	17,300	1,810	24,100	1,980	18,300
MIN	159	196	199	335	370	590	509	611	416	384	315	490
CFSM	0.16	0.29	0.46	1.03	0.63	2.54	0.78	2.83	0.59	4.49	0.66	3.21
IN.	0.19	0.33	0.53	1.19	0.65	2.93	0.87	3.27	0.66	5.18	0.76	3.58

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2003, BY WATER YEAR (WY)

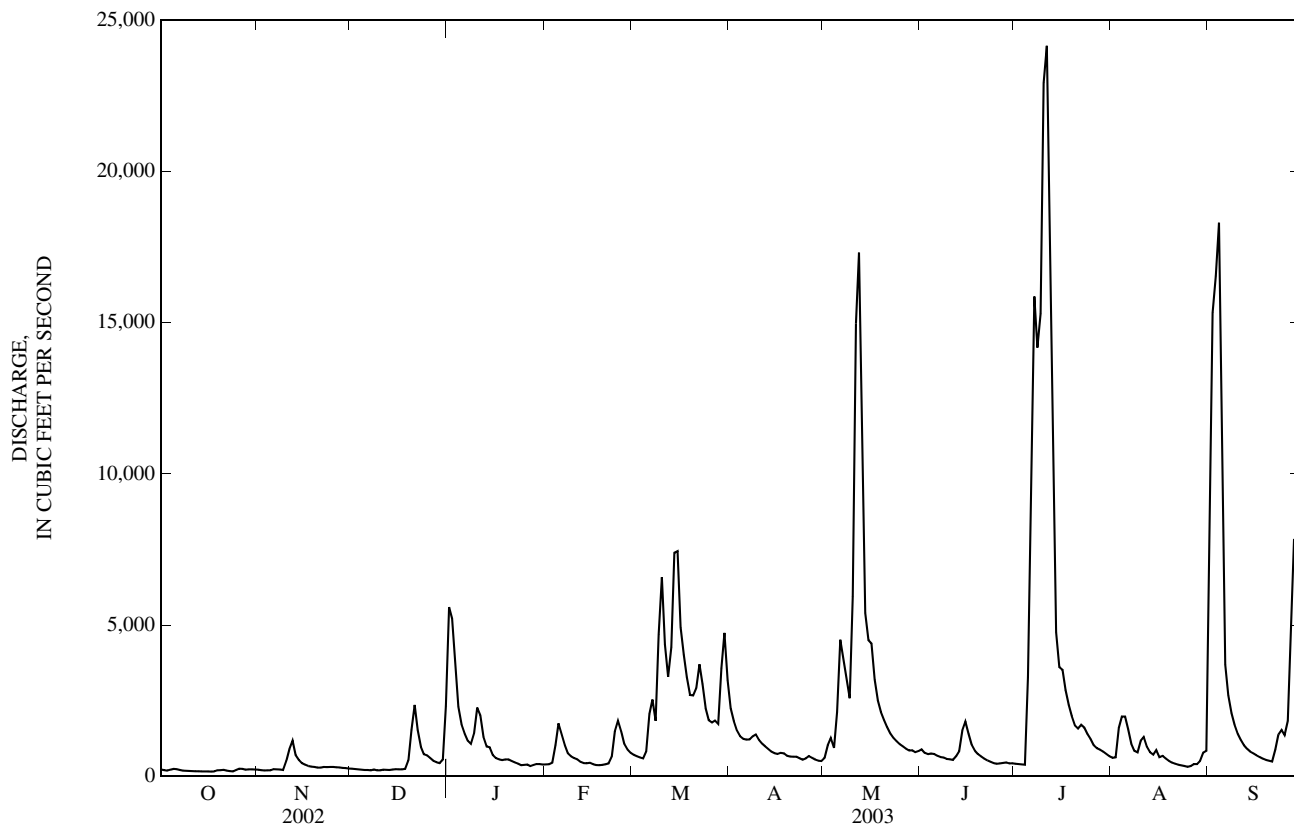
MEAN	405	730	1,093	1,563	1,662	2,081	2,036	1,479	1,164	787	459	426
MAX	3,819	5,115	4,366	9,015	4,805	5,113	5,878	6,815	6,093	5,478	2,612	4,397
(WY)	(2002)	(1993)	(1991)	(1950)	(1950)	(1978)	(1964)	(1943)	(1958)	(2003)	(1979)	(1989)
MIN	108	110	119	119	182	194	280	141	200	102	82.5	72.3
(WY)	(1941)	(1935)	(1935)	(1945)	(1964)	(1941)	(1941)	(1941)	(1931)	(1936)	(1941)	(1941)



03351000 WHITE RIVER NEAR NORA, IN—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1930 - 2003	
ANNUAL TOTAL	506,759		660,106		1,154	
ANNUAL MEAN	1,388		1,809		2,052	
HIGHEST ANNUAL MEAN					235	1941
LOWEST ANNUAL MEAN					53	1941
HIGHEST DAILY MEAN	20,800	May 14	24,100	Jul 11	31,500	May 19, 1943
LOWEST DAILY MEAN	159	Oct 17	159	Oct 17	49	Sep 17, 1941
ANNUAL SEVEN-DAY MINIMUM	163	Oct 12	163	Oct 12	53	Sep 17, 1941
MAXIMUM PEAK FLOW			26,300	Jul 11	32,400	May 19, 1943
MAXIMUM PEAK STAGE			17.78	Jul 11	19.19	Jan 1, 1991
ANNUAL RUNOFF (CFSM)	1.14		1.48		0.95	
ANNUAL RUNOFF (INCHES)	15.46		20.14		12.86	
10 PERCENT EXCEEDS	3,010		3,940		2,610	
50 PERCENT EXCEEDS	604		732		529	
90 PERCENT EXCEEDS	208		220		163	

e Estimated



## 03351060 WHITE RIVER AT BROAD RIPPLE, IN

LOCATION.--Lat 39°52'17", long 86°08'16", in SW¼ 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 mi<sup>2</sup>.

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, 8.98 ft, July 11; minimum 2.75 ft, Oct. 17-18.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	2.82	2.87	4.96	2.97	3.18	3.93	3.46	3.30	2.97	3.14	6.90
2	---	2.80	2.87	4.65	2.98	3.16	3.76	3.49	3.23	2.95	3.21	7.18
3	---	2.80	2.85	4.15	3.05	3.13	3.64	3.50	3.24	2.93	3.87	7.40
4	---	2.79	2.85	3.79	3.51	3.11	3.57	3.38	3.25	2.96	3.71	---
5	---	2.81	2.83	3.62	3.68	3.35	3.53	4.52	3.23	5.57	3.73	4.81
6	---	2.85	2.82	3.49	3.46	4.15	3.53	4.93	3.18	6.85	3.47	4.22
7	2.80	2.85	2.84	3.38	3.33	3.90	3.54	4.53	3.15	7.30	3.35	3.94
8	2.78	---	2.84	3.34	3.16	3.84	3.62	4.33	3.13	---	3.23	3.73
9	2.78	---	2.81	3.59	3.14	5.08	3.59	4.18	3.11	---	3.31	3.62
10	2.78	3.40	2.81	3.92	3.13	5.13	3.51	6.40	3.10	8.95	3.53	3.49
11	2.78	---	2.84	3.70	3.09	4.38	3.45	7.52	3.09	8.50	3.42	3.41
12	2.77	---	2.83	3.40	3.04	4.27	3.40	7.45	3.26	---	3.29	3.33
13	2.77	---	2.85	3.29	2.99	4.97	3.34	---	3.47	---	3.23	3.29
14	2.76	---	2.86	3.30	3.03	5.65	3.31	---	3.79	---	3.22	3.25
15	2.77	3.02	2.86	3.15	3.07	5.25	3.26	---	3.70	---	3.21	3.22
16	2.76	2.99	2.86	3.10	2.96	4.76	3.25	---	3.47	4.19	---	3.18
17	2.75	2.95	2.86	3.09	2.94	4.53	3.34	4.18	3.31	3.93	---	3.15
18	---	2.93	---	3.07	2.97	4.29	3.27	3.99	3.23	3.79	3.12	3.13
19	---	2.93	---	3.09	3.01	4.11	3.22	3.85	3.17	3.65	3.08	3.11
20	2.83	2.91	3.87	3.08	3.01	4.18	3.21	3.76	3.12	3.56	3.02	3.10
21	2.82	2.92	3.89	3.07	3.01	4.30	3.21	---	3.08	3.57	3.02	3.08
22	2.80	2.94	3.51	3.02	3.35	4.53	3.20	---	3.05	3.61	2.98	3.39
23	2.77	2.93	3.31	2.99	3.70	4.14	3.16	3.48	3.01	3.54	2.98	3.59
24	2.76	2.93	3.22	2.99	3.74	3.90	3.13	3.43	2.98	3.49	2.95	3.53
25	2.91	2.93	3.21	2.98	3.50	3.82	3.22	3.38	2.95	3.40	2.94	3.61
26	2.86	2.93	3.13	2.99	3.34	3.79	3.22	3.35	3.01	3.33	2.97	3.83
27	2.86	2.92	3.09	2.97	3.25	3.82	3.17	3.30	3.00	3.34	3.02	5.17
28	2.82	2.90	3.05	2.98	3.21	3.89	3.12	3.30	3.00	3.29	2.98	5.75
29	2.87	2.89	3.04	2.97	---	4.93	3.12	3.29	2.98	3.27	3.23	4.76
30	2.84	2.89	3.21	2.97	---	4.79	3.10	3.25	2.98	3.22	3.23	4.19
31	2.83	---	4.56	2.96	---	4.19	---	3.33	---	3.19	3.35	---
MEAN	---	---	---	3.36	3.20	4.21	3.36	---	3.19	---	---	---
MAX	---	---	---	4.96	3.74	5.65	3.93	---	3.79	---	---	---
MIN	---	---	---	2.96	2.94	3.11	3.10	---	2.95	---	---	---

03351310 CROOKED CREEK AT INDIANAPOLIS, IN

LOCATION.--Lat 39°49'47", long 86°12'22", in NW¼SE¼ 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 mi<sup>2</sup>.

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 2002 TO SEPTEMBER 2003  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	4.8	2.3	40	5.0	13	21	13	10	4.4	5.0	1,820
2	3.4	4.8	2.1	25	6.9	15	17	18	8.1	17	8.5	368
3	2.6	3.6	1.9	19	13	12	16	9.5	9.9	7.3	11	100
4	12	4.7	1.7	16	37	14	14	9.5	9.1	7.2	9.2	47
5	12	8.6	2.0	15	18	36	15	106	7.6	319	5.9	27
6	4.7	14	1.6	16	11	31	11	29	6.8	65	4.4	18
7	3.2	6.8	1.7	15	10	25	15	59	6.5	48	3.9	13
8	2.2	5.1	1.7	16	e7.4	49	13	27	6.0	29	3.2	11
9	1.8	4.3	1.6	21	e7.0	68	11	45	5.7	77	3.3	10
10	1.6	99	1.6	16	e6.6	29	10	156	5.6	86	3.3	8.9
11	1.5	36	1.7	12	e6.2	22	9.5	167	5.5	34	3.4	8.1
12	1.4	14	2.6	10	e6.0	22	8.6	39	24	28	3.6	7.4
13	1.3	8.2	2.7	9.2	e5.6	61	7.9	26	106	18	2.7	7.1
14	1.3	6.1	3.8	8.6	e5.6	39	7.6	22	58	14	2.6	7.0
15	1.4	5.8	3.8	7.8	8.8	28	7.3	32	24	21	2.4	6.8
16	1.3	5.5	2.8	e6.0	8.1	25	7.0	21	15	18	2.4	6.4
17	1.1	4.4	2.4	e5.5	6.9	22	14	17	11	11	27	6.1
18	1.4	3.7	4.2	e5.0	6.3	19	15	15	9.0	21	14	5.8
19	10	4.3	48	e4.5	6.9	21	9.6	13	7.5	13	6.9	5.7
20	5.5	4.0	33	e4.0	12	21	11	12	6.4	9.2	4.2	5.8
21	3.2	3.7	13	e3.5	14	29	13	10	5.3	25	3.4	5.8
22	2.4	7.9	8.4	e3.2	47	20	8.9	9.3	4.6	16	2.7	120
23	2.0	5.5	6.0	e3.0	38	16	7.3	8.7	4.0	12	2.4	34
24	1.8	4.2	5.0	e3.0	24	14	6.7	8.2	3.5	12	2.1	9.5
25	17	3.7	5.8	e3.0	e15	20	22	9.9	3.2	8.1	1.8	25
26	15	3.6	5.4	e3.0	e13	27	21	7.7	7.5	6.6	1.5	14
27	6.7	2.9	4.6	e2.8	e12	18	12	6.9	9.8	9.3	5.8	146
28	4.2	2.5	4.7	e2.8	12	32	11	9.1	4.7	15	3.8	32
29	15	2.4	5.5	e3.2	---	112	8.6	18	3.8	8.4	33	14
30	14	2.5	20	e3.0	---	35	7.5	9.5	3.8	6.2	30	9.5
31	6.8	---	80	e3.0	---	26	---	22	---	5.3	19	---
TOTAL	161.2	286.6	281.6	305.1	369.3	921	358.5	955.3	391.9	971.0	232.4	2,898.9
MEAN	5.20	9.55	9.08	9.84	13.2	29.7	11.9	30.8	13.1	31.3	7.50	96.6
MAX	17	99	80	40	47	112	22	167	106	319	33	1,820
MIN	1.1	2.4	1.6	2.8	5.0	12	6.7	6.9	3.2	4.4	1.5	5.7
CFSM	0.29	0.53	0.51	0.55	0.74	1.66	0.67	1.72	0.73	1.75	0.42	5.40
IN.	0.34	0.60	0.59	0.63	0.77	1.91	0.75	1.99	0.81	2.02	0.48	6.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2003, BY WATER YEAR (WY)

MEAN	9.39	19.6	20.7	18.4	24.5	30.3	29.1	27.8	18.3	12.9	7.84	11.2
MAX	60.9	88.2	95.4	54.8	79.4	63.7	58.2	110	90.8	57.7	30.8	96.6
(WY)	(1987)	(1994)	(1991)	(1974)	(1975)	(1991)	(1972)	(1996)	(1998)	(1979)	(1978)	(2003)
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

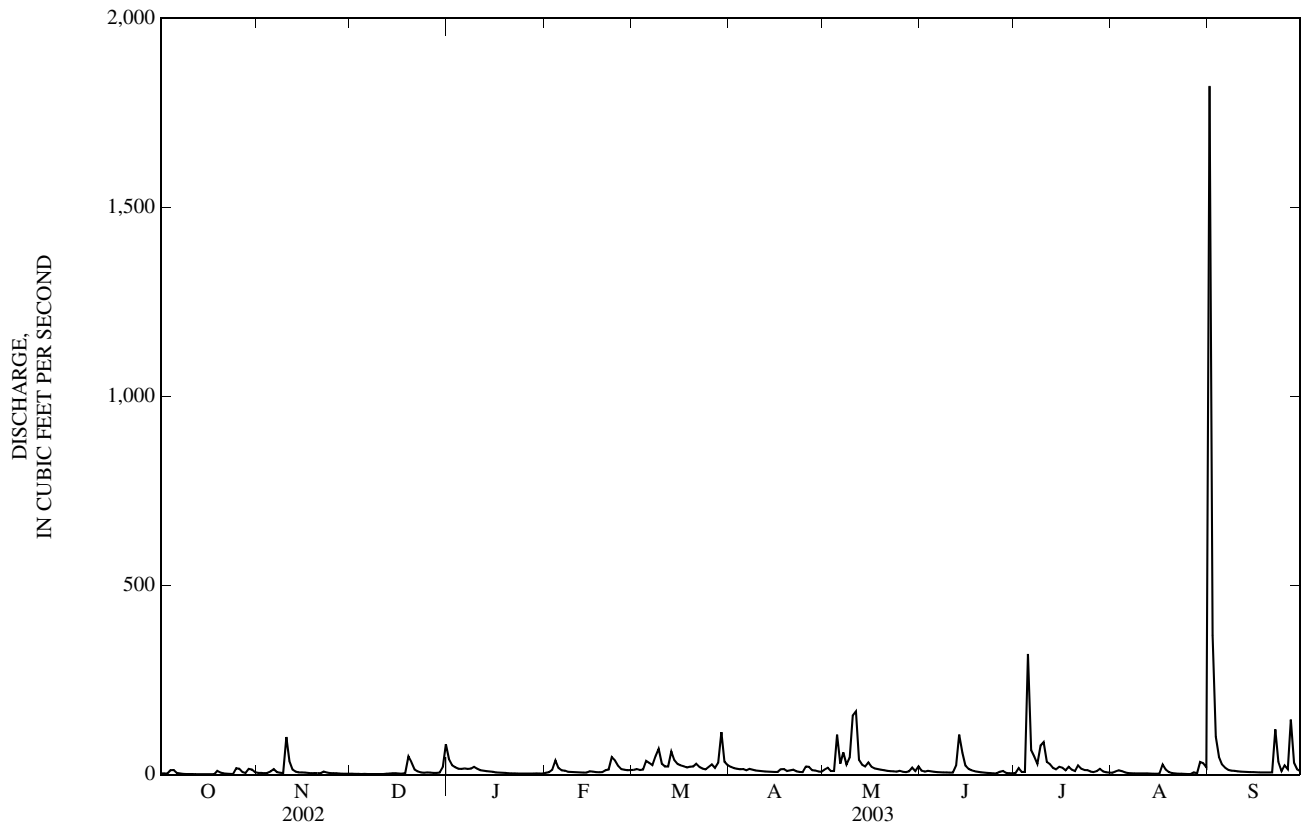
FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1970 - 2003

ANNUAL TOTAL	7,894.3	8,132.8		
ANNUAL MEAN	21.6	22.3	19.1	
HIGHEST ANNUAL MEAN			29.6	1974
LOWEST ANNUAL MEAN			8.30	1977
HIGHEST DAILY MEAN	647	May 13	1,820	Sep 1, 2003
LOWEST DAILY MEAN	1.1	Aug 11	1.1	Oct 7, 1991
ANNUAL SEVEN-DAY MINIMUM	1.3	Aug 7	1.3	Oct 12, 1991
MAXIMUM PEAK FLOW			3,400	Sep 1, 1978
MAXIMUM PEAK STAGE			11.90	Sep 1, 1978
ANNUAL RUNOFF (CFSM)	1.21	1.24	1.31	1.07
ANNUAL RUNOFF (INCHES)	16.41	16.90	14.51	
10 PERCENT EXCEEDS	44	33	37	
50 PERCENT EXCEEDS	8.4	8.8	7.5	
90 PERCENT EXCEEDS	1.7	2.6	1.6	

e Estimated



## 03351500 FALL CREEK NEAR FORTVILLE, IN

LOCATION.--Lat 39°57'15", long 85°52'05", in NW¼NE¼ 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 mi<sup>2</sup>.

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 2002 TO SEPTEMBER 2003  
DAILY MEAN VALUES

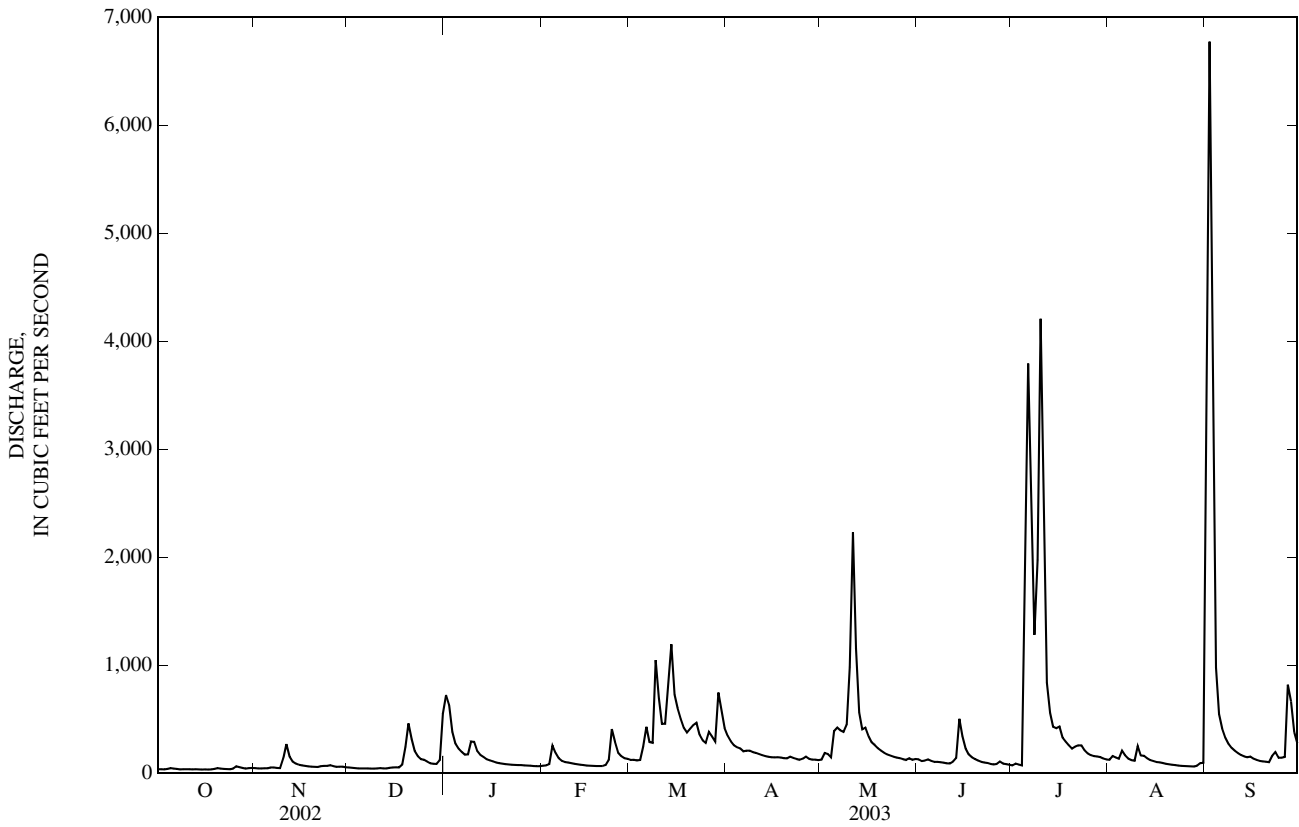
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	48	54	724	e70	124	347	128	129	73	125	1,870
2	38	46	e52	633	e74	126	295	187	114	89	159	6,770
3	36	46	e49	385	e86	120	261	179	118	81	147	4,480
4	41	47	e46	277	257	123	241	150	128	73	135	979
5	49	47	e46	230	e190	248	230	391	116	1,560	210	549
6	44	54	e45	198	e140	430	205	424	106	3,790	167	413
7	41	54	e45	172	e115	290	210	398	105	2,750	136	332
8	37	51	e44	176	e105	283	210	383	103	1,280	122	274
9	38	48	e44	294	e100	1,050	197	451	100	1,970	117	236
10	38	140	e45	291	e94	695	189	983	93	4,210	253	210
11	37	271	48	206	e88	459	179	2,230	92	2,280	166	188
12	37	155	45	e170	e84	458	169	1,160	110	840	163	170
13	38	110	45	e150	e80	816	160	562	142	562	140	157
14	37	90	51	e130	e76	1,190	153	406	504	431	122	149
15	36	79	55	e120	e72	730	150	424	345	418	114	156
16	36	73	55	e110	e70	605	147	346	230	432	105	136
17	35	69	54	e100	e69	504	150	286	176	332	102	124
18	37	65	81	e95	e68	422	146	260	150	293	95	114
19	41	61	244	e90	e67	377	141	232	133	260	88	111
20	48	60	462	e86	e67	412	138	210	118	229	84	107
21	45	59	317	e82	e76	446	154	191	107	247	80	104
22	40	66	206	e79	e125	467	142	175	101	258	76	162
23	39	69	157	e78	410	357	132	164	95	259	73	197
24	39	69	131	e76	292	304	126	154	87	214	70	144
25	44	76	125	e76	e190	280	136	146	83	185	68	145
26	64	66	109	e74	e160	383	155	140	87	168	66	152
27	58	61	93	e72	e140	342	135	132	109	159	65	820
28	50	62	88	e70	e134	294	127	123	90	156	63	664
29	44	62	87	e68	---	747	127	139	85	150	71	382
30	48	56	122	e66	---	595	122	125	80	137	94	280
31	50	---	552	e66	---	419	---	133	---	129	98	---
TOTAL	1,303	2,260	3,597	5,444	3,499	14,096	5,274	11,412	4,036	24,015	3,574	20,575
MEAN	42.0	75.3	116	176	125	455	176	368	135	775	115	686
MAX	64	271	552	724	410	1,190	347	2,230	504	4,210	253	6,770
MIN	35	46	44	66	67	120	122	123	80	73	63	104
CFSM	0.25	0.45	0.69	1.04	0.74	2.69	1.04	2.18	0.80	4.58	0.68	4.06
IN.	0.29	0.50	0.79	1.20	0.77	3.10	1.16	2.51	0.89	5.29	0.79	4.53

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2003, BY WATER YEAR (WY)

MEAN	71.8	119	170	209	249	299	292	234	187	127	76.3	67.7
MAX	539	788	727	1,210	720	674	829	753	888	775	467	686
(WY)	(2002)	(1994)	(1991)	(1950)	(1950)	(1978)	(1964)	(1996)	(1958)	(2003)	(1979)	(2003)
MIN	20.1	27.4	24.2	24.4	42.1	71.2	70.3	71.4	39.2	24.7	16.0	14.5
(WY)	(1964)	(2000)	(1964)	(1977)	(1964)	(1981)	(1971)	(1955)	(1988)	(1966)	(1988)	(1999)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1942 - 2003	
ANNUAL TOTAL	81,714		99,085		175	
ANNUAL MEAN	224		271		61.4	
HIGHEST ANNUAL MEAN					301	2002
LOWEST ANNUAL MEAN					1966	
HIGHEST DAILY MEAN	4,440	May 14	6,770	Sep 2	6,950	Apr 21, 1964
LOWEST DAILY MEAN	23	Sep 12	35	Oct 17	7.0	Oct 1, 1941
ANNUAL SEVEN-DAY MINIMUM	26	Sep 8	37	Oct 11	9.7	Aug 21, 1988
MAXIMUM PEAK FLOW			8,450	Sep 2	8,750	Apr 21, 1964
MAXIMUM PEAK STAGE			9.83	Sep 2	9.88	Apr 21, 1964
ANNUAL RUNOFF (CFSM)	1.32		1.61		1.03	
ANNUAL RUNOFF (INCHES)	17.99		21.81		14.04	
10 PERCENT EXCEEDS	479		458		354	
50 PERCENT EXCEEDS	119		129		92	
90 PERCENT EXCEEDS	38		47		31	

e Estimated



## 03352500 FALL CREEK AT MILLERSVILLE, IN

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

DRAINAGE AREA.--298 mi<sup>2</sup>.

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. WRD IN-02-1: 1991, 1994(P). WRD IN-03-1: 1991, 1994, 1997-2002(P).

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

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 16.3 ft Mar. 26, 1913, from floodmarks, discharge, 22,000 ft<sup>3</sup>/s by slope-area measurement.

REVISIONS.--The peak discharges for water years 1991 and 1994 have been revised to 8,200 ft<sup>3</sup>/s, Dec. 31, 1990, gage height, 13.36 ft, and 6,890 ft<sup>3</sup>/s, Nov. 15, 1993, gage height, 12.40 ft, superseding original figures published in reports for 1991 and 1994, and revisions published in reports for 1997-2002. The peak discharge for the 2002 water year has been revised to 6,550 ft<sup>3</sup>/s, May 14, 2002, gage height, 12.14 ft, superseding figure published in the report for 2002.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	65	62	1,280	123	232	566	177	179	94	163	4,730
2	52	62	61	1,190	125	227	474	320	160	87	176	10,500
3	50	61	95	837	146	218	407	269	182	89	183	7,890
4	62	66	49	584	337	211	358	213	161	94	196	3,760
5	80	73	49	468	373	341	338	792	153	2,090	229	1,450
6	63	80	36	393	300	632	328	846	143	4,580	221	867
7	55	76	54	324	248	584	296	674	148	4,830	184	627
8	53	72	54	313	202	527	288	643	139	3,390	153	471
9	50	74	55	417	181	1,410	298	637	130	2,840	144	372
10	49	325	49	477	172	1,500	247	1,300	123	4,790	163	307
11	48	348	51	405	161	968	213	3,140	122	4,740	202	269
12	48	162	52	306	148	805	216	2,900	199	2,640	189	230
13	48	104	53	268	129	1,300	206	1,360	261	1,320	174	209
14	47	89	62	243	133	2,020	193	802	525	863	154	197
15	47	82	69	218	169	1,560	178	766	662	742	235	184
16	46	83	69	214	152	1,130	178	631	443	830	164	174
17	46	72	61	e186	137	893	228	495	312	617	163	162
18	46	69	73	e170	126	722	230	418	235	518	136	149
19	58	67	213	e160	127	625	197	354	205	442	111	137
20	61	66	511	e150	141	628	185	310	178	356	102	130
21	57	67	519	e144	147	738	189	291	149	390	95	128
22	55	80	374	e138	288	799	186	234	139	416	94	215
23	54	77	e255	e134	676	638	173	214	124	372	96	250
24	54	71	e205	e132	615	500	164	197	115	333	85	203
25	68	68	e196	e129	434	456	211	193	106	273	84	207
26	90	67	e174	e126	341	561	233	192	106	232	76	199
27	67	65	e156	e124	289	541	174	174	143	220	110	847
28	64	63	e146	e122	255	468	154	161	125	239	128	1,160
29	69	64	e138	e121	---	1,140	162	199	117	211	150	753
30	77	63	e183	e120	---	1,200	147	177	107	188	222	483
31	67	---	762	121	---	789	---	200	---	174	198	---
TOTAL	1,786	2,781	4,886	10,014	6,675	24,363	7,417	19,279	5,891	39,000	4,780	37,260
MEAN	57.6	92.7	158	323	238	786	247	622	196	1,258	154	1,242
MAX	90	348	762	1,280	676	2,020	566	3,140	662	4,830	235	10,500
MIN	46	61	36	120	123	211	147	161	106	87	76	128
CFSM	0.19	0.31	0.53	1.08	0.80	2.64	0.83	2.09	0.66	4.22	0.52	4.17
IN.	0.22	0.35	0.61	1.25	0.83	3.04	0.93	2.41	0.74	4.87	0.60	4.65

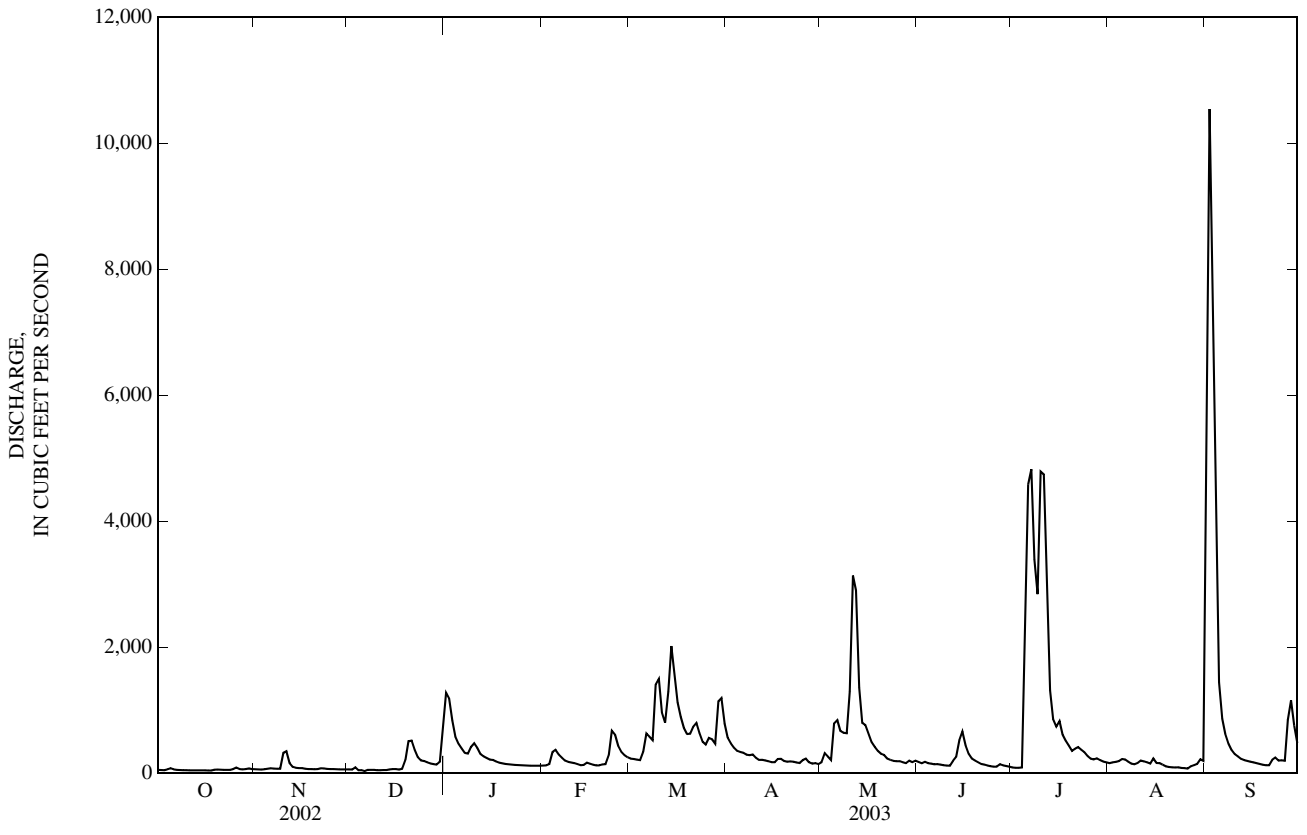
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2003, BY WATER YEAR (WY)

MEAN	109	187	279	393	422	515	509	401	296	204	118	111
MAX	981	1,283	1,059	2,390	1,278	1,399	1,503	1,524	1,638	1,258	739	1,242
(WY)	(2002)	(1994)	(1991)	(1950)	(1950)	(1963)	(1964)	(1943)	(1998)	(2003)	(1979)	(2003)
MIN	23.4	32.1	38.2	37.1	50.4	47.5	59.7	33.6	42.2	29.1	15.5	11.5
(WY)	(1941)	(1935)	(1935)	(1945)	(1935)	(1941)	(1941)	(1941)	(1934)	(1936)	(1941)	(1941)

03352500 FALL CREEK AT MILLERSVILLE, IN—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1930 - 2003	
ANNUAL TOTAL	132,412		164,132			
ANNUAL MEAN	363		450		294	
HIGHEST ANNUAL MEAN					539 1950	
LOWEST ANNUAL MEAN					44.0 1941	
HIGHEST DAILY MEAN	7,740	May 14	10,500	Sep 2	10,600	May 18, 1943
LOWEST DAILY MEAN	36	Dec 6	36	Dec 6	7.8	Sep 28, 1941
ANNUAL SEVEN-DAY MINIMUM	47	Oct 12	47	Oct 12	9.0	Sep 24, 1941
MAXIMUM PEAK FLOW			11,900	Sep 2	12,900	May 28, 1956
MAXIMUM PEAK STAGE			15.68	Sep 2	15.68	Sep 2, 2003
ANNUAL RUNOFF (CFSM)	1.22		1.51		0.99	
ANNUAL RUNOFF (INCHES)	16.53		20.49		13.43	
10 PERCENT EXCEEDS	775		833		658	
50 PERCENT EXCEEDS	166		186		130	
90 PERCENT EXCEEDS	61		62		47	

e Estimated





03353000 WHITE RIVER AT INDIANAPOLIS, IN

LOCATION.--Lat 39°44'14", long 86°10'08", in NW¼NW¼ 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 mi<sup>2</sup>.

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

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

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

REMARKS.--Records fair. 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 ft<sup>3</sup>/s.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	268	333	364	6,730	480	1,010	2,920	627	872	328	559	22,200
2	260	307	358	6,490	505	918	2,200	1,170	730	345	524	33,800
3	233	279	354	4,850	640	854	1,740	1,250	717	275	908	26,200
4	381	291	349	3,070	1,240	845	1,540	1,110	680	267	1,840	22,400
5	452	340	325	2,230	1,900	1,260	1,450	3,510	657	5,260	1,620	14,000
6	330	422	306	1,840	1,770	2,350	1,290	5,490	617	13,100	1,420	4,820
7	276	409	279	1,560	1,320	3,470	1,240	5,300	573	18,200	982	3,270
8	210	382	300	1,280	1,050	2,600	1,290	4,200	564	17,100	756	2,500
9	174	361	314	1,550	798	5,570	1,400	3,530	527	16,000	639	2,020
10	170	1,610	284	2,420	796	7,960	1,170	6,660	486	24,800	837	1,690
11	155	1,850	304	2,540	764	6,190	1,020	17,600	484	27,000	1,200	1,450
12	153	1,490	328	1,810	644	4,400	952	19,400	729	20,900	928	1,260
13	143	1,170	311	1,220	554	5,480	877	14,400	1,010	11,600	719	1,100
14	139	839	355	1,170	532	8,600	786	7,030	1,830	5,690	615	1,030
15	135	702	361	913	661	9,230	693	5,500	2,190	4,120	724	925
16	128	628	347	761	584	6,850	641	5,130	1,620	3,960	607	849
17	126	573	347	693	575	5,340	876	3,800	1,110	3,200	721	783
18	125	471	384	657	496	4,340	826	2,840	835	2,680	676	719
19	271	463	1,100	739	531	3,640	663	2,330	688	2,050	495	667
20	282	436	2,100	695	606	3,350	715	1,920	598	1,660	395	612
21	244	438	2,760	642	629	3,910	627	1,640	521	2,090	343	583
22	230	477	2,130	599	1,380	4,670	599	1,380	455	1,730	304	1,370
23	187	462	1,400	509	2,300	4,270	561	1,200	401	1,620	254	1,460
24	151	449	1,070	462	2,600	3,120	502	1,080	346	1,340	231	1,620
25	394	500	991	479	2,020	2,540	718	955	297	1,160	211	1,470
26	527	425	839	515	1,490	2,590	887	890	308	963	206	1,790
27	385	423	711	539	1,250	2,330	731	849	399	865	394	4,530
28	341	405	643	465	1,090	2,380	578	797	356	987	403	7,830
29	504	399	623	481	---	5,040	550	908	324	786	513	7,350
30	495	387	888	483	---	6,440	513	790	296	686	912	4,110
31	382	---	2,790	476	---	4,580	---	907	---	611	1,100	---
TOTAL	8,251	17,721	24,015	48,868	29,205	126,127	30,555	124,193	21,220	191,373	22,036	174,408
MEAN	266	591	775	1,576	1,043	4,069	1,018	4,006	707	6,173	711	5,814
MAX	527	1,850	2,790	6,730	2,600	9,230	2,920	19,400	2,190	27,000	1,840	33,800
MIN	125	279	279	462	480	845	502	627	296	267	206	583
CFSM	0.16	0.36	0.47	0.96	0.64	2.49	0.62	2.45	0.43	3.78	0.43	3.56
IN.	0.19	0.40	0.55	1.11	0.66	2.87	0.70	2.83	0.48	4.35	0.50	3.97

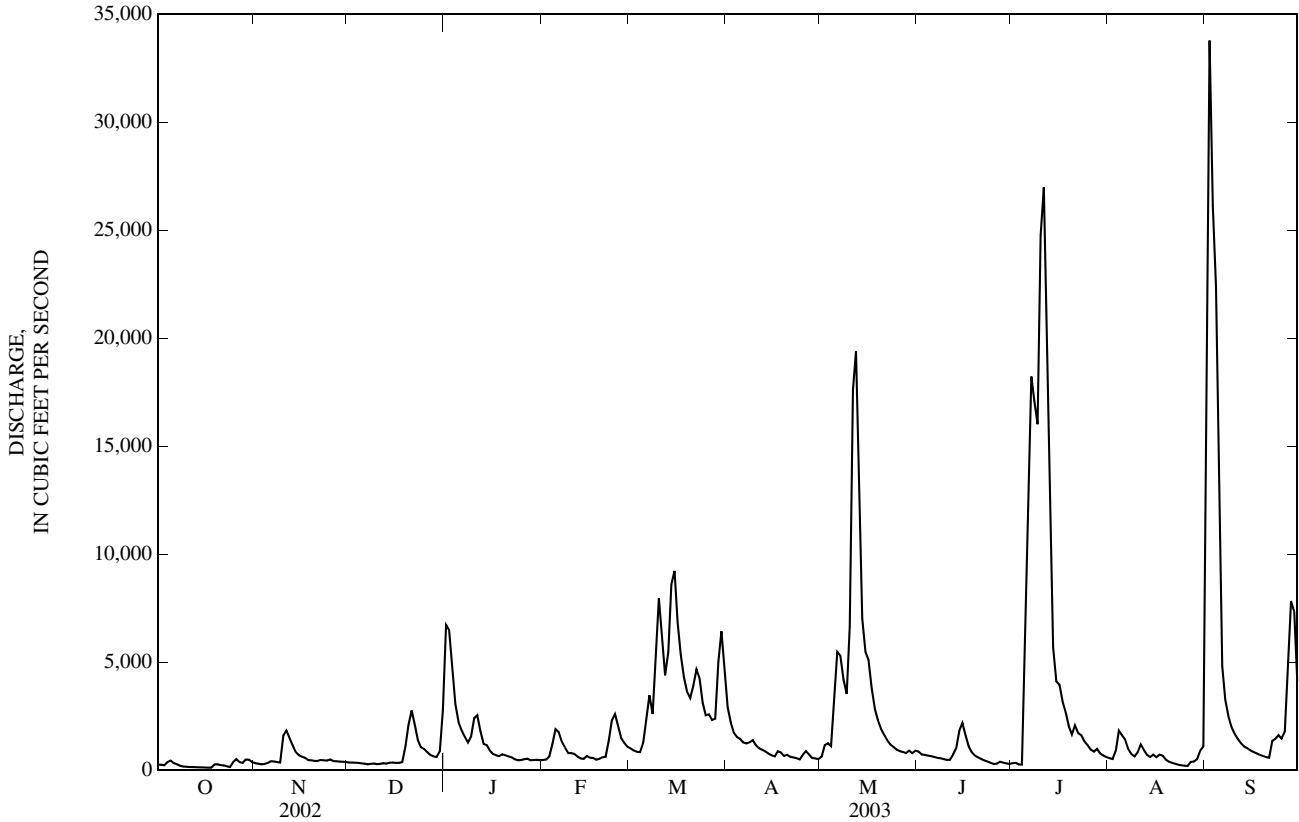
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2003, BY WATER YEAR (WY)

MEAN	478	908	1,376	1,898	2,118	2,696	2,652	1,974	1,465	961	533	497
MAX	4,791	6,425	5,826	12,120	6,452	6,610	7,777	8,594	7,910	6,173	3,399	5,814
(WY)	(2002)	(1994)	(1991)	(1950)	(1950)	(1963)	(1964)	(1943)	(1958)	(2003)	(1979)	(2003)
MIN	70.1	110	77.3	78.4	178	207	274	113	126	90.3	42.5	31.5
(WY)	(1941)	(1935)	(1964)	(1977)	(1964)	(1941)	(1941)	(1941)	(1988)	(1936)	(1941)	(1941)

WABASH RIVER BASIN

03353000 WHITE RIVER AT INDIANAPOLIS, IN—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1931 - 2003	
ANNUAL TOTAL	666,481		817,972			
ANNUAL MEAN	1,826		2,241		1,459	
HIGHEST ANNUAL MEAN					2,698	
LOWEST ANNUAL MEAN					233	
HIGHEST DAILY MEAN	25,600	May 14	33,800	Sep 2	36,800	Dec 31, 1990
LOWEST DAILY MEAN	99	Sep 10	125	Oct 18	8.0	Sep 29, 1941
ANNUAL SEVEN-DAY MINIMUM	105	Sep 7	136	Oct 12	12	Sep 24, 1941
MAXIMUM PEAK FLOW			42,500	Sep 1	42,500	Sep 1, 2003
MAXIMUM PEAK STAGE			19.65	Sep 1	21.57	Jan 16, 1937
ANNUAL RUNOFF (CFSM)	1.12		1.37		0.89	
ANNUAL RUNOFF (INCHES)	15.16		18.61		12.12	
10 PERCENT EXCEEDS	4,270		5,180		3,380	
50 PERCENT EXCEEDS	802		826		657	
90 PERCENT EXCEEDS	156		305		148	



## 03353120 PLEASANT RUN AT ARLINGTON AVENUE AT INDIANAPOLIS, IN

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

DRAINAGE AREA.--7.58 mi<sup>2</sup>.

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 2002 TO SEPTEMBER 2003  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	e1.9	e1.0	36	e0.78	e3.2	3.9	6.9	1.8	0.46	0.71	792
2	1.4	e1.8	e0.86	14	e3.0	e3.1	3.1	4.8	1.2	0.48	1.6	51
3	1.3	e1.7	e0.75	7.3	13	e3.1	2.6	2.1	8.7	0.42	1.2	11
4	22	2.7	e0.65	4.8	14	e5.4	14	11	2.1	16	29	5.3
5	3.7	11	e0.55	6.5	6.1	28	13	76	1.4	253	9.7	3.2
6	1.7	4.3	e0.48	6.7	e2.2	13	3.4	8.3	1.3	18	1.9	2.3
7	1.4	e2.1	e0.47	4.3	e1.7	9.1	7.0	20	1.6	4.7	1.0	1.6
8	1.2	e1.8	e0.46	5.6	e1.4	33	3.3	5.7	1.0	23	0.76	1.4
9	e1.1	13	e0.45	4.6	e1.3	24	2.5	8.2	0.95	58	0.60	1.3
10	e1.1	131	0.42	2.8	e1.3	9.9	2.1	146	1.6	63	3.3	1.2
11	e1.0	17	1.9	e1.7	e1.2	5.8	1.8	48	4.3	10	6.6	1.0
12	e0.90	5.3	1.2	e1.5	e1.1	6.3	1.5	10	37	5.0	1.7	1.0
13	e0.85	e2.8	0.85	e1.3	e1.1	40	1.3	5.3	12	2.7	0.63	0.99
14	e0.84	e1.9	7.2	e1.2	4.0	14	1.2	19	15	1.7	3.8	1.4
15	e0.86	4.2	2.3	e1.1	6.2	9.1	1.6	17	4.2	5.6	3.9	1.0
16	e0.82	3.8	1.2	e1.0	2.1	7.4	1.6	4.5	2.1	2.4	0.92	0.89
17	e0.77	e2.3	5.3	e0.99	e1.6	6.0	21	3.3	1.6	1.3	2.3	0.93
18	1.4	e1.8	6.9	e0.93	e1.7	5.1	4.4	2.9	1.2	10	0.64	0.98
19	8.9	4.1	49	e0.88	6.9	13	2.9	2.2	4.2	1.7	0.46	0.99
20	1.6	e2.3	19	e0.83	12	10	4.6	2.0	1.5	1.1	0.46	1.0
21	e1.2	6.2	4.8	e0.80	e6.2	27	2.4	1.6	0.85	56	0.43	0.96
22	e1.1	7.9	2.9	e0.78	60	8.3	1.8	1.4	0.69	5.7	0.46	46
23	e1.0	3.2	2.0	e0.74	18	5.5	1.4	1.2	0.63	3.6	0.39	2.9
24	1.3	e2.3	1.6	e0.74	e6.4	4.3	1.3	1.2	0.57	1.6	0.29	1.4
25	30	e2.1	e1.6	e0.74	e4.4	27	26	1.2	0.53	1.2	0.30	3.6
26	4.7	e1.7	e1.8	e0.73	e3.5	13	6.7	1.2	1.3	0.93	0.39	37
27	e1.9	e1.5	e2.0	e0.73	e3.3	6.1	3.0	0.96	0.78	9.8	12	47
28	e1.6	e1.3	e3.0	e0.72	e3.2	31	5.8	13	0.44	4.1	1.2	6.1
29	26	e1.1	5.4	e0.71	---	46	3.8	6.9	0.45	1.5	12	2.8
30	5.1	e1.4	28	e0.69	---	9.0	2.0	1.8	0.43	0.94	5.1	1.5
31	e2.3	---	60	e0.68	---	5.3	---	9.2	---	0.73	50	---
TOTAL	130.34	245.5	214.04	112.09	187.68	431.0	151.0	442.86	111.42	564.66	153.74	1,029.74
MEAN	4.20	8.18	6.90	3.62	6.70	13.9	5.03	14.3	3.71	18.2	4.96	34.3
MAX	30	131	60	36	60	46	26	146	37	253	50	792
MIN	0.77	1.1	0.42	0.68	0.78	3.1	1.2	0.96	0.43	0.42	0.29	0.89
CFSM	0.55	1.08	0.91	0.48	0.88	1.83	0.66	1.88	0.49	2.40	0.65	4.53
IN.	0.64	1.20	1.05	0.55	0.92	2.12	0.74	2.17	0.55	2.77	0.75	5.05

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2003, BY WATER YEAR (WY)

MEAN	4.66	8.64	8.49	7.68	8.68	12.7	11.2	10.5	7.69	8.53	4.91	5.06
MAX	27.5	36.9	33.3	25.0	25.7	42.3	28.5	37.8	49.2	33.8	21.3	34.3
(WY)	(1987)	(1994)	(1991)	(1969)	(1971)	(1963)	(1961)	(1996)	(1998)	(1979)	(1979)	(2003)
MIN	0.38	1.05	0.72	0.45	1.11	1.81	1.61	1.12	0.69	0.61	0.67	0.49
(WY)	(1964)	(2000)	(1964)	(1977)	(1978)	(2001)	(1971)	(1964)	(1967)	(1967)	(1967)	(1967)

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

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1960 - 2003	
ANNUAL TOTAL	3,352.46		3,774.07			
ANNUAL MEAN	9.18		10.3		8.24	
HIGHEST ANNUAL MEAN					11.6	1978
LOWEST ANNUAL MEAN					3.25	1966
HIGHEST DAILY MEAN	238	May 13	792	Sep 1	792	Sep 1, 2003
LOWEST DAILY MEAN	0.42	Dec 10	0.29	Aug 24	0.00	Sep 11, 1960
ANNUAL SEVEN-DAY MINIMUM	0.50	Dec 4	0.39	Aug 20	0.00	Oct 5, 1960
MAXIMUM PEAK FLOW			1,940	Sep 1	2,600	Jun 25, 1978
MAXIMUM PEAK STAGE			11.25	Sep 1	13.86	Jun 25, 1978
ANNUAL RUNOFF (CFSM)	1.21		1.36		1.09	
ANNUAL RUNOFF (INCHES)	16.45		18.52		14.78	
10 PERCENT EXCEEDS	22		19		17	
50 PERCENT EXCEEDS	2.3		2.2		1.9	
90 PERCENT EXCEEDS	0.90		0.74		0.50	

e Estimated

