

03365500 EAST FORK WHITE RIVER AT SEYMOUR, IN

LOCATION.--Lat 38°58'57", long 85°53'57", in NW¹/₄NE¹/₄ sec. 7, T.6 N., R.6 E., Jackson County, Hydrologic Unit 05120206, (SEYMOUR, IN quadrangle), on left bank 1,700 ft downstream from highway bridge, 1 mi north of Seymour, 9.5 mi downstream from Sand Creek, and at mile 214.6.

DRAINAGE AREA.--2,341 mi².

PERIOD OF RECORD.--October 1927 to current year. Yearly maximum discharge only for water years 1924-27 published in WSP 1305. Daily gage heights from May 1923 to September 1927 are available in the district office.

REVISED RECORDS.--WSP 743: 1928-29, 1931-32. WSP 783: 1934. WSP 873: 1938. WSP 1335: 1928(M), 1929-30, 1932-33(M), 1937(M), 1942. WSP 1435: 1949. WSP 1705: 1958. WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 550.67 ft above National Geodetic Vertical Datum of 1929. Oct. 1, 1927 to July 2, 1931, nonrecording gage 1,700 ft upstream at datum 7.61 ft higher. July 3, 1931 to July 16, 1934, nonrecording gage at site 100 ft downstream at present datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 26, 1913, reached a stage of 21.0 ft, from information by Corps of Engineers and Indiana Department of Highways, discharge, 120,000 ft³/s.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	483	867	604	8,720	958	3,180	4,300	1,640	1,690	1,240	1,380	1,070
2	437	701	589	14,300	948	3,840	3,550	1,600	1,660	1,180	1,270	4,610
3	409	598	571	11,600	994	4,530	3,080	1,560	1,650	1,300	1,190	8,620
4	394	543	557	8,170	1,480	3,900	2,750	1,490	1,760	1,230	1,160	9,920
5	410	518	557	5,700	2,540	5,460	2,600	4,300	1,650	1,110	1,740	11,200
6	401	541	544	4,500	2,440	8,160	3,140	10,900	1,490	2,610	1,690	7,980
7	392	546	535	3,820	2,080	8,300	3,240	9,560	1,370	6,300	1,460	3,810
8	385	556	529	3,460	1,670	7,210	2,890	7,150	1,300	7,160	1,240	2,820
9	373	532	518	3,230	1,430	6,900	2,710	6,070	1,260	6,880	1,120	2,290
10	362	564	517	3,150	1,440	8,410	2,530	6,040	1,230	15,000	1,040	1,940
11	354	3,360	527	3,050	1,320	9,020	2,350	8,760	1,250	27,700	1,180	1,700
12	347	4,160	560	2,650	1,200	6,890	2,180	11,700	1,580	11,900	1,170	1,500
13	340	2,750	667	2,260	1,090	5,440	2,020	12,700	3,950	9,480	1,080	1,350
14	331	1,920	1,570	2,160	1,060	6,330	1,870	10,200	6,950	6,070	1,020	1,230
15	324	1,490	1,660	1,980	1,610	7,720	1,750	6,200	10,100	4,360	950	1,150
16	319	1,240	1,480	1,770	2,610	7,220	1,670	5,610	14,500	5,280	896	1,080
17	313	1,070	1,380	e1,600	2,070	5,880	1,880	5,090	19,700	3,780	838	1,020
18	308	962	1,290	e1,460	1,740	5,000	2,790	4,410	7,860	3,020	795	962
19	308	886	2,820	e1,350	1,530	4,330	2,310	3,780	4,950	2,640	751	910
20	311	820	7,660	e1,270	1,460	4,140	1,970	3,300	3,930	2,310	728	859
21	308	779	8,050	e1,200	1,870	4,290	2,260	3,430	3,160	2,090	700	819
22	308	758	6,090	e1,130	4,170	5,090	2,210	2,950	2,660	2,920	669	875
23	308	740	4,100	e1,040	13,000	5,170	1,910	2,600	2,320	4,070	641	907
24	307	738	3,030	e1,000	12,300	4,280	1,690	2,350	2,070	3,650	618	1,030
25	313	729	2,560	e950	e8,100	3,620	1,730	2,160	1,880	2,780	595	1,060
26	456	706	2,250	e910	e5,720	4,090	2,980	2,010	1,730	2,240	573	975
27	653	682	1,930	e900	e4,280	3,920	2,890	1,900	1,620	1,910	556	1,070
28	631	657	1,720	1,010	3,590	3,510	2,340	1,790	1,520	1,800	542	2,340
29	703	637	1,670	1,030	---	3,840	1,970	1,750	1,410	1,720	540	3,200
30	1,780	626	2,100	999	---	5,480	1,770	1,880	1,310	1,690	582	2,570
31	1,090	---	5,450	978	---	5,450	---	1,800	---	1,520	751	---
TOTAL	14,158	31,676	64,085	97,347	84,700	170,600	73,330	146,680	109,510	146,940	29,465	80,867
MEAN	457	1,056	2,067	3,140	3,025	5,503	2,444	4,732	3,650	4,740	950	2,696
MAX	1,780	4,160	8,050	14,300	13,000	9,020	4,300	12,700	19,700	27,700	1,740	11,200
MIN	307	518	517	900	948	3,180	1,670	1,490	1,230	1,110	540	819
CFSM	0.20	0.45	0.88	1.34	1.29	2.35	1.04	2.02	1.56	2.02	0.41	1.15
IN.	0.22	0.50	1.02	1.55	1.35	2.71	1.17	2.33	1.74	2.33	0.47	1.29

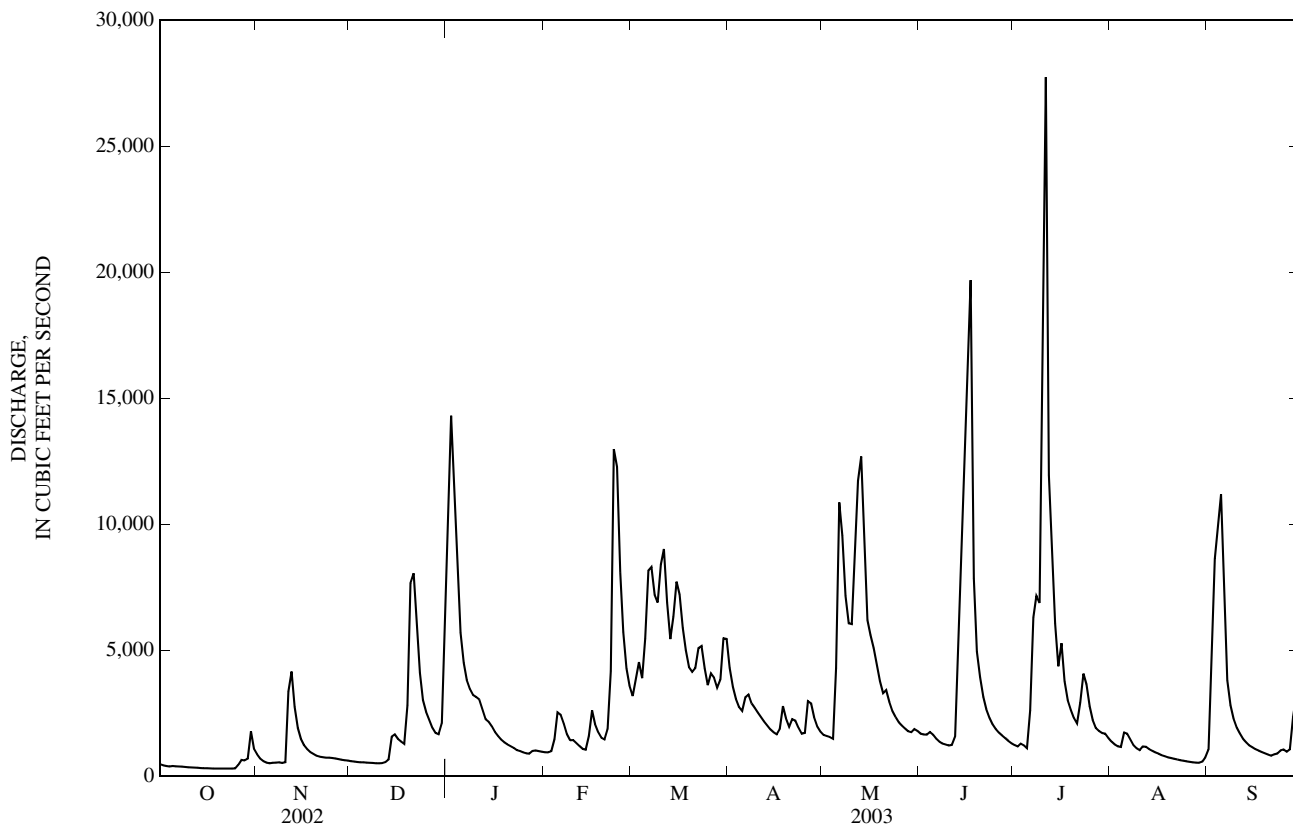
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2003, BY WATER YEAR (WY)

MEAN	808	1,616	2,601	3,764	3,946	4,546	4,365	3,620	2,377	1,637	955	674
MAX	6,426	11,570	9,245	19,560	12,290	10,690	9,523	17,020	12,630	6,040	8,795	4,244
(WY)	(2002)	(1994)	(1928)	(1950)	(1950)	(1963)	(2002)	(1996)	(1998)	(1979)	(1979)	(1989)
MIN	162	182	207	192	373	299	356	264	394	199	148	136
(WY)	(1941)	(1935)	(1964)	(1977)	(1931)	(1941)	(1941)	(1941)	(1931)	(1941)	(1941)	(1941)

03365500 EAST FORK WHITE RIVER AT SEYMOUR, IN—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1928 - 2003	
ANNUAL TOTAL	1,318,682		1,049,358		2,569	
ANNUAL MEAN	3,613		2,875		4,870	
HIGHEST ANNUAL MEAN					287	
LOWEST ANNUAL MEAN					1941	
HIGHEST DAILY MEAN	46,300	May 14	27,700	Jul 11	63,500	Jan 6, 1949
LOWEST DAILY MEAN	274	Sep 14	307	Oct 24	86	Sep 28, 1941
ANNUAL SEVEN-DAY MINIMUM	288	Sep 9	308	Oct 18	93	Sep 25, 1941
MAXIMUM PEAK FLOW			39,900	Jul 11	78,500	Jan 5, 1949
MAXIMUM PEAK STAGE			17.95	Jul 11	19.67	Jan 5, 1949
ANNUAL RUNOFF (CF5M)	1.54		1.23		1.10	
ANNUAL RUNOFF (INCHES)	20.95		16.67		14.91	
10 PERCENT EXCEEDS	7,720		7,030		5,850	
50 PERCENT EXCEEDS	1,780		1,730		1,240	
90 PERCENT EXCEEDS	367		543		301	

e Estimated



03366200 HARBERTS CREEK NEAR MADISON, IN

LOCATION.--Lat 38°46'55", long 85°29'08", in SW¹/₄SE¹/₄ sec.14, T.4 N., R.9 E., Jefferson County, Hydrologic Unit 05120207, (CLIFTY FALLS, IN quadrangle), mounted on left downstream wingwall of bridge on County Road 533 West, 0.2 mi west of Smyrna, 3.7 mi upstream from Big Creek, and 4 mi northwest of Madison.

DRAINAGE AREA.--9.31 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 725.75 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except those below 1.0 ft³/s and 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	0.66	4.0	2.1	244	e0.95	33	6.2	4.0	2.1	0.68	2.7	86
2	0.44	3.5	1.9	42	e1.2	46	5.1	3.7	1.8	1.4	2.1	397
3	0.39	3.3	1.7	21	3.1	e22	4.4	3.2	6.2	1.1	1.6	91
4	0.85	2.9	1.5	13	11	e24	4.0	3.1	4.4	0.87	4.0	15
5	1.3	6.6	e1.4	10	4.7	38	6.3	282	2.8	0.57	4.9	7.0
6	0.79	12	e1.5	8.2	3.2	19	4.9	38	2.1	0.46	2.0	4.4
7	0.59	5.3	e1.6	6.5	2.5	11	13	17	2.0	0.62	1.4	3.2
8	0.53	4.2	e1.6	6.0	e2.1	8.5	11	11	2.0	5.2	1.2	2.5
9	0.48	4.1	e1.5	5.3	e2.0	7.0	6.9	11	1.9	8.9	3.3	1.9
10	0.54	162	e1.5	4.2	e1.9	5.1	5.4	370	1.9	33	2.0	1.5
11	0.87	72	25	3.1	e1.8	4.4	4.4	65	7.4	6.1	3.2	1.2
12	0.81	17	27	e2.5	e1.8	4.6	3.7	18	26	3.0	2.6	1.0
13	0.59	9.3	40	e2.3	e1.7	14	3.0	9.2	16	2.1	1.6	0.91
14	0.48	6.5	35	e2.0	e2.2	14	2.7	6.2	6.9	1.5	1.3	1.1
15	0.46	5.5	15	e1.9	62	8.7	2.4	5.1	5.6	4.0	1.0	1.2
16	0.45	5.0	9.8	e1.9	28	6.9	2.3	4.0	5.1	4.4	0.91	0.90
17	0.39	4.1	9.0	e1.7	15	5.9	67	23	3.8	2.2	0.80	0.75
18	0.31	3.3	13	e1.6	8.3	5.2	35	32	3.4	1.5	0.67	0.77
19	0.66	3.0	226	e1.6	7.8	8.7	11	9.5	2.8	1.2	0.58	0.79
20	1.1	2.7	108	e1.5	9.5	13	19	72	3.3	0.98	0.53	0.83
21	0.77	2.8	24	1.4	41	28	50	43	2.3	4.5	0.48	0.76
22	0.58	6.3	13	1.2	277	13	14	13	1.8	4.7	0.43	7.5
23	0.45	4.4	8.5	1.1	72	8.4	8.3	8.0	1.4	16	0.39	3.5
24	0.37	3.4	7.5	0.75	25	6.4	5.8	5.8	1.2	7.6	0.30	1.6
25	43	2.8	14	e0.72	14	5.6	12	4.7	0.97	3.5	0.30	0.99
26	16	2.5	8.6	e0.70	11	28	35	4.2	0.96	2.3	0.27	0.85
27	5.7	2.3	6.4	e0.68	9.1	12	11	3.4	1.2	1.7	3.0	24
28	3.9	2.2	6.0	e0.66	10	7.9	7.0	3.1	0.93	124	3.3	5.8
29	23	2.2	6.6	e1.1	---	24	5.8	3.1	0.80	15	1.1	3.4
30	12	2.4	56	e0.95	---	14	4.7	2.6	0.59	5.8	1.6	2.5
31	6.0	---	132	e0.85	---	8.1	---	2.4	---	3.6	1.6	---
TOTAL	124.46	367.6	806.7	390.41	629.85	454.4	371.3	1,080.3	119.65	268.48	51.16	669.85
MEAN	4.01	12.3	26.0	12.6	22.5	14.7	12.4	34.8	3.99	8.66	1.65	22.3
MAX	43	162	226	244	277	46	67	370	26	124	4.9	397
MIN	0.31	2.2	1.4	0.66	0.95	4.4	2.3	2.4	0.59	0.46	0.27	0.75
CFSM	0.43	1.32	2.80	1.35	2.42	1.57	1.33	3.74	0.43	0.93	0.18	2.40
IN.	0.50	1.47	3.22	1.56	2.52	1.82	1.48	4.32	0.48	1.07	0.20	2.68

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

MEAN	4.31	12.6	19.1	18.6	21.6	24.6	23.8	18.9	8.55	4.00	4.30	3.61
MAX	32.4	48.6	64.1	57.5	51.9	52.0	84.5	76.1	51.3	14.7	28.2	22.3
(WY)	(2002)	(1980)	(1991)	(1982)	(1971)	(1975)	(1996)	(1996)	(1997)	(1993)	(1992)	(2003)
MIN	0.036	0.11	1.52	0.49	1.47	4.72	2.21	0.72	0.083	0.21	0.000	0.000
(WY)	(1998)	(2000)	(1977)	(1977)	(1992)	(1969)	(2001)	(1999)	(1988)	(1991)	(1999)	(1998)

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

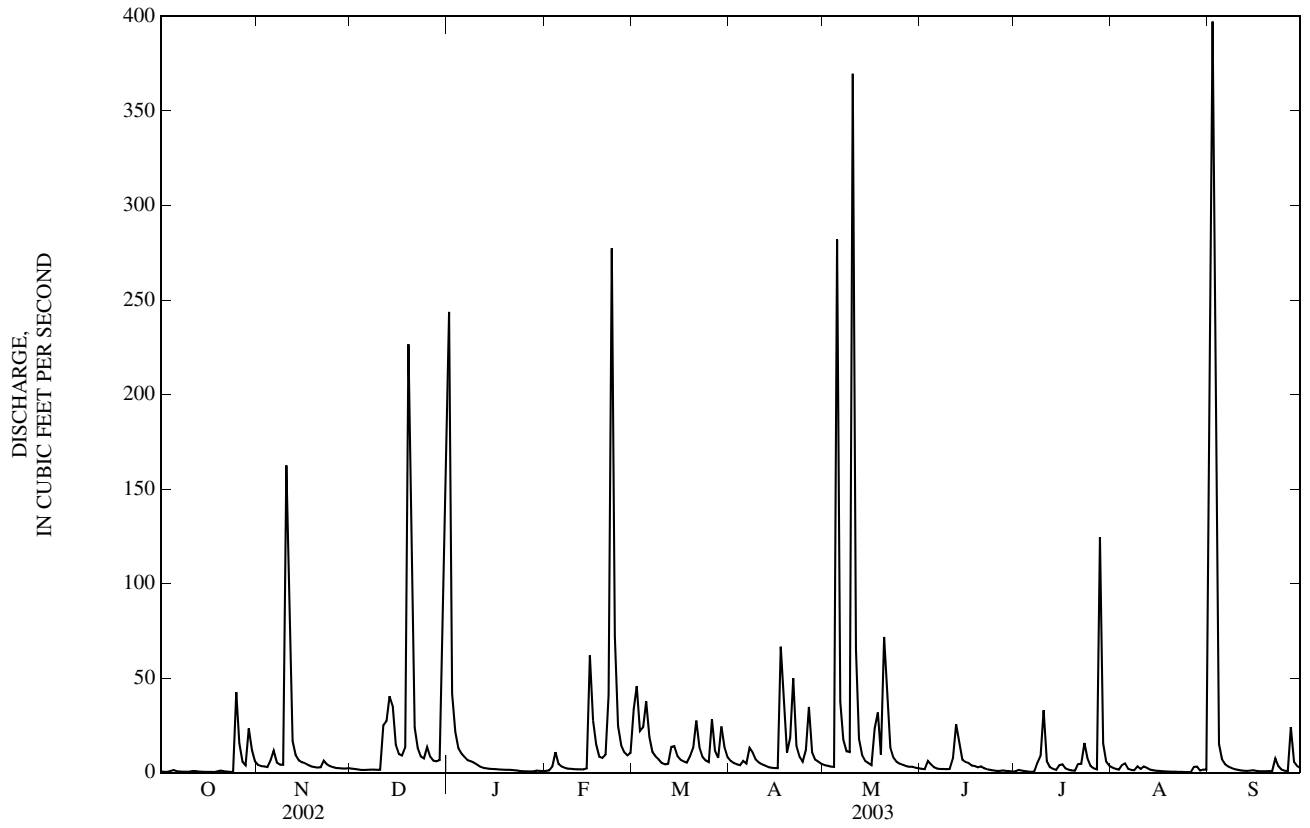
FOR 2003 WATER YEAR

WATER YEARS 1969 - 2003

ANNUAL TOTAL	6,273.91	5,334.16		
ANNUAL MEAN	17.2	14.6	13.6	
HIGHEST ANNUAL MEAN			23.7	1996
LOWEST ANNUAL MEAN			6.13	1981
HIGHEST DAILY MEAN	573	Sep 27	397	Sep 2
LOWEST DAILY MEAN	0.00	Aug 2	0.27	Aug 26
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 2	0.39	Aug 20
MAXIMUM PEAK FLOW			1,540	Sep 2
MAXIMUM PEAK STAGE			7.48	Sep 2
ANNUAL RUNOFF (CFSM)	1.85	1.57		8.96
ANNUAL RUNOFF (INCHES)	25.07	21.31		19.87
10 PERCENT EXCEEDS	28	28		26
50 PERCENT EXCEEDS	2.9	3.7		2.5
90 PERCENT EXCEEDS	0.00	0.75		0.07

e Estimated

03366200 HARBERTS CREEK NEAR MADISON, IN—Continued



03366500 MUSCATATUCK RIVER NEAR DEPUTY, IN

LOCATION.--Lat 38°48'15", long 85°40'26", in SW¹/₄NE¹/₄ sec. 7, T.4 N., R.8 E., Jefferson County, Hydrologic Unit 05120207, (DEPUTY, IN quadrangle), on left bank approximately 100 ft downstream of highway bridge, 1.4 mi northwest of Deputy, 1.9 mi upstream from Coffee Creek, 2.4 mi downstream from confluence of Graham Creek and Big Creek, and at mile 50.0.

DRAINAGE AREA.--293 mi².

PERIOD OF RECORD.--November 1947 to current year.

REVISED RECORDS.--WSP 1335: 1948. WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 540.00 ft above National Geodetic Vertical Datum of 1929. Prior to June 22, 1955, nonrecording gage at same site. Prior to Aug. 25, 1983, at datum 1.17 ft higher.

REMARKS.--Records fair except those for Aug. 1 - 20 and 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	60	170	55	5,780	e55	560	281	233	133	89	121	271
2	43	117	51	2,690	e55	1,260	238	210	120	96	98	4,340
3	32	91	48	925	133	900	208	193	184	114	84	6,480
4	28	80	45	548	216	568	189	187	278	113	88	788
5	25	82	45	404	239	821	216	6,820	223	83	921	289
6	23	217	48	344	e178	855	279	4,030	162	71	260	172
7	19	223	44	314	e110	463	279	876	135	68	133	119
8	17	153	46	279	e90	351	474	561	124	64	92	91
9	16	115	43	253	e88	304	332	496	126	340	73	74
10	15	881	45	227	e86	261	264	7,770	124	3,070	225	62
11	15	3,110	108	198	e84	223	225	3,960	454	1,290	265	53
12	15	771	525	166	e82	210	197	1,050	480	300	142	46
13	15	332	598	e140	e80	238	174	496	1,100	216	90	41
14	13	219	1,420	e125	131	416	157	352	417	159	67	48
15	12	169	663	e110	793	349	145	341	1,660	246	60	68
16	12	144	393	e95	945	278	135	315	2,680	571	57	54
17	11	127	300	e87	886	246	1,310	307	1,080	232	45	45
18	11	111	312	e76	474	225	1,610	763	366	153	37	37
19	12	99	1,730	e72	264	245	552	454	255	121	34	33
20	12	89	5,450	e67	269	387	356	732	283	104	29	30
21	11	83	1,290	e64	655	661	1,170	1,610	253	122	26	28
22	12	88	542	e64	4,640	723	602	544	180	221	23	119
23	11	102	371	e63	5,410	399	363	339	146	287	21	176
24	10	98	295	e62	1,210	301	270	262	125	295	19	135
25	74	90	368	e61	614	254	392	220	110	160	18	85
26	646	79	336	e60	445	418	2,490	200	100	116	17	60
27	234	73	270	e60	369	496	815	178	97	97	40	165
28	111	66	244	e59	343	322	406	159	93	3,820	58	142
29	342	62	244	e61	---	399	315	156	83	926	41	95
30	971	59	572	e56	---	608	275	148	77	250	140	77
31	304	---	1,890	e56	---	364	---	145	---	160	80	---
TOTAL	3,132	8,100	18,391	13,566	18,944	14,105	14,719	34,107	11,648	13,954	3,404	14,223
MEAN	101	270	593	438	677	455	491	1,100	388	450	110	474
MAX	971	3,110	5,450	5,780	5,410	1,260	2,490	7,770	2,680	3,820	921	6,480
MIN	10	59	43	56	55	210	135	145	77	64	17	28
CFSM	0.34	0.92	2.02	1.49	2.31	1.55	1.67	3.76	1.33	1.54	0.37	1.62
IN.	0.40	1.03	2.33	1.72	2.41	1.79	1.87	4.33	1.48	1.77	0.43	1.81

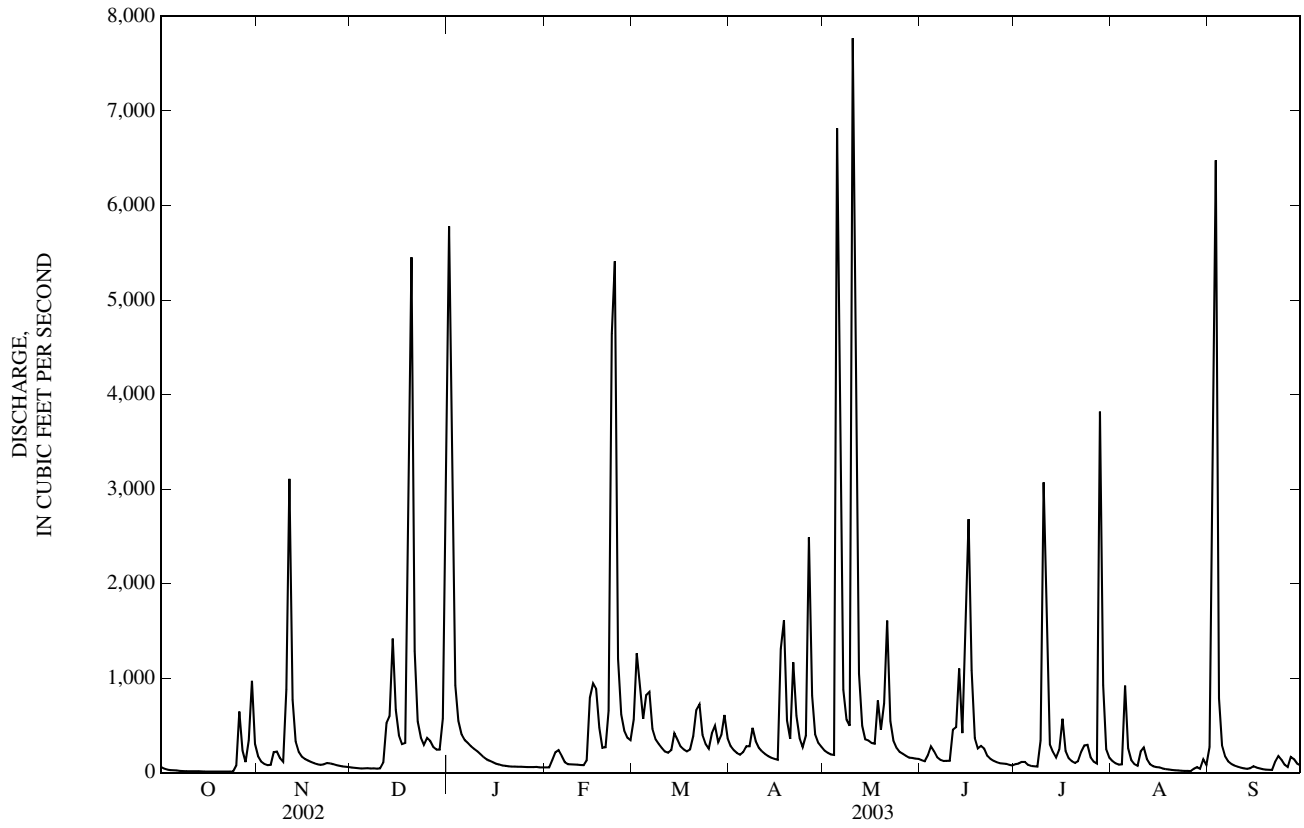
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 2003, BY WATER YEAR (WY)

	MEAN	MAX	MIN	(WY)	MEAN	MAX	MIN	(WY)	MEAN	MAX	MIN	(WY)	MEAN	MAX	MIN	(WY)	MEAN	MAX	MIN	(WY)
	74.7	250	457	(1949)	605	639	708	(1950)	581	484	249	(1951)	157	94.0	66.9	(1952)	912	1,438	1,723	(1953)
	74.7	250	457	(1954)	605	639	708	(1955)	581	484	249	(1956)	157	94.0	66.9	(1957)	912	1,438	1,723	(1958)
	74.7	250	457	(1959)	605	639	708	(1960)	581	484	249	(1961)	157	94.0	66.9	(1962)	912	1,438	1,723	(1963)
	74.7	250	457	(1964)	605	639	708	(1965)	581	484	249	(1966)	157	94.0	66.9	(1967)	912	1,438	1,723	(1968)
	74.7	250	457	(1969)	605	639	708	(1970)	581	484	249	(1971)	157	94.0	66.9	(1972)	912	1,438	1,723	(1973)
	74.7	250	457	(1974)	605	639	708	(1975)	581	484	249	(1976)	157	94.0	66.9	(1977)	912	1,438	1,723	(1978)
	74.7	250	457	(1979)	605	639	708	(1980)	581	484	249	(1981)	157	94.0	66.9	(1982)	912	1,438	1,723	(1983)
	74.7	250	457	(1984)	605	639	708	(1985)	581	484	249	(1986)	157	94.0	66.9	(1987)	912	1,438	1,723	(1988)
	74.7	250	457	(1989)	605	639	708	(1990)	581	484	249	(1991)	157	94.0	66.9	(1992)	912	1,438	1,723	(1993)
	74.7	250	457	(1994)	605	639	708	(1995)	581	484	249	(1996)	157	94.0	66.9	(1997)	912	1,438	1,723	(1998)
	74.7	250	457	(1999)	605	639	708	(2000)	581	484	249	(2001)	157	94.0	66.9	(2002)	912	1,438	1,723	(2003)

SUMMARY STATISTICS

	FOR 2002 CALENDAR YEAR	FOR 2003 WATER YEAR	WATER YEARS 1949 - 2003
ANNUAL TOTAL	190,768.5	168,293	
ANNUAL MEAN	523	461	363
HIGHEST ANNUAL MEAN			687
LOWEST ANNUAL MEAN			25.3
HIGHEST DAILY MEAN	10,200	7,770	32,400
LOWEST DAILY MEAN	3.2	10	0.00
ANNUAL SEVEN-DAY MINIMUM	3.4	11	0.00
MAXIMUM PEAK FLOW		12,800	52,200
MAXIMUM PEAK STAGE		23.07	34.27
ANNUAL RUNOFF (CFSM)	1.78	1.57	1.24
ANNUAL RUNOFF (INCHES)	24.22	21.37	16.82
10 PERCENT EXCEEDS	1,270	908	758
50 PERCENT EXCEEDS	170	176	80
90 PERCENT EXCEEDS	6.2	41	3.6

03366500 MUSCATATUCK RIVER NEAR DEPUTY, IN—Continued



03368000 BRUSH CREEK NEAR NEBRASKA, IN

LOCATION.--Lat 39°04'13", long 85°29'10" in NW¹/₄NE¹/₄ sec.11, T.7 N., R.9 E., Jennings County, Hydrologic Unit 05120207, (HOLTON, IN quadrangle), at upstream side of bridge on county road, 1.5 mi northwest of Nebraska, 2.9 mi northeast of Butlerville, and 3.6 mi upstream from Brush Creek Dam.

DRAINAGE AREA.--11.4 mi².

PERIOD OF RECORD.--May 1955 to current year.

REVISED RECORDS.--WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 717.17 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources). Prior to November 1988 at site 100 ft upstream at same datum.

REMARKS.--Records fair except for estimated daily discharges and those below 2.5 ft³/s, 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	0.10	2.3	1.6	210	2.1	47	6.8	5.0	2.7	1.6	0.90	54
2	0.08	1.9	1.6	29	3.5	57	5.7	5.4	2.4	1.6	0.81	16
3	0.06	1.9	1.5	14	6.9	24	5.1	5.5	19	1.6	0.79	2.6
4	0.08	1.8	1.3	8.3	16	36	4.8	5.0	7.8	1.4	9.3	1.1
5	0.15	2.3	1.5	7.3	e6.2	56	6.1	395	5.0	1.4	2.7	0.58
6	0.13	3.4	1.5	7.9	3.7	20	4.8	31	3.7	6.5	1.4	0.42
7	0.10	2.3	1.4	5.7	3.2	12	9.6	47	3.3	2.0	1.1	0.35
8	0.07	1.9	1.5	5.1	e2.4	10	7.9	36	3.0	1.9	0.99	0.31
9	0.05	1.8	1.4	4.5	e2.2	8.6	6.5	23	2.7	198	1.3	0.28
10	0.05	96	1.5	3.8	e2.2	6.4	5.7	117	2.4	977	0.96	0.26
11	0.05	33	6.0	3.0	e2.3	5.8	5.0	45	3.0	15	0.07	0.22
12	0.05	6.7	8.4	2.7	e2.4	5.6	4.4	15	7.3	9.1	0.04	0.21
13	0.05	4.2	43	2.6	2.5	15	3.9	9.5	7.2	5.3	0.03	0.20
14	0.04	3.3	31	2.5	2.8	11	3.7	7.4	44	3.8	0.02	0.20
15	0.04	2.9	9.3	e2.0	24	7.9	3.4	7.2	29	70	0.02	0.27
16	0.03	2.8	6.2	e2.0	12	6.9	3.2	5.9	78	27	0.01	0.25
17	0.03	2.4	4.9	e1.9	6.4	6.3	8.1	6.5	18	6.1	0.01	0.21
18	0.03	2.1	6.7	e1.8	4.4	5.7	7.9	7.2	8.5	4.1	0.01	0.18
19	0.15	2.1	210	e1.7	4.3	6.4	5.2	6.7	9.2	3.1	0.00	0.15
20	0.21	2.0	97	e1.6	8.6	7.1	10	26	7.4	2.5	0.00	0.13
21	0.19	2.0	12	e1.5	28	42	15	17	4.8	3.8	0.00	0.12
22	0.15	3.0	7.0	e1.4	401	14	7.5	7.7	3.8	3.0	0.00	1.8
23	0.12	2.6	4.8	e1.3	58	8.9	5.8	5.7	3.2	2.2	0.00	1.2
24	0.10	2.3	4.3	e1.2	19	7.2	4.9	4.7	2.8	1.9	0.00	0.47
25	8.2	2.1	6.5	e1.1	13	14	24	4.2	2.5	1.6	0.00	0.33
26	2.6	1.9	4.7	e1.1	9.9	53	77	4.0	2.5	1.3	0.00	0.29
27	0.63	1.8	4.0	e1.1	8.6	13	13	3.5	2.9	1.2	0.00	2.0
28	0.54	1.7	5.1	e1.1	9.3	8.9	8.2	3.3	2.2	1.5	0.00	0.84
29	89	1.7	8.1	e1.1	---	25	7.0	4.1	1.9	1.3	0.00	0.55
30	9.1	1.8	46	e1.2	---	12	5.7	3.3	1.7	1.0	0.00	0.43
31	3.5	---	101	e1.5	---	8.1	---	3.0	---	0.95	0.64	---
TOTAL	115.68	198.0	640.8	331.0	664.9	560.8	285.9	866.8	291.9	1,358.75	21.10	85.95
MEAN	3.73	6.60	20.7	10.7	23.7	18.1	9.53	28.0	9.73	43.8	0.68	2.87
MAX	89	96	210	210	401	57	77	395	78	977	9.3	54
MIN	0.03	1.7	1.3	1.1	2.1	5.6	3.2	3.0	1.7	0.95	0.00	0.12
CFSM	0.33	0.58	1.81	0.94	2.08	1.59	0.84	2.45	0.85	3.84	0.06	0.25
IN.	0.38	0.65	2.09	1.08	2.17	1.83	0.93	2.83	0.95	4.43	0.07	0.28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2003, BY WATER YEAR (WY)

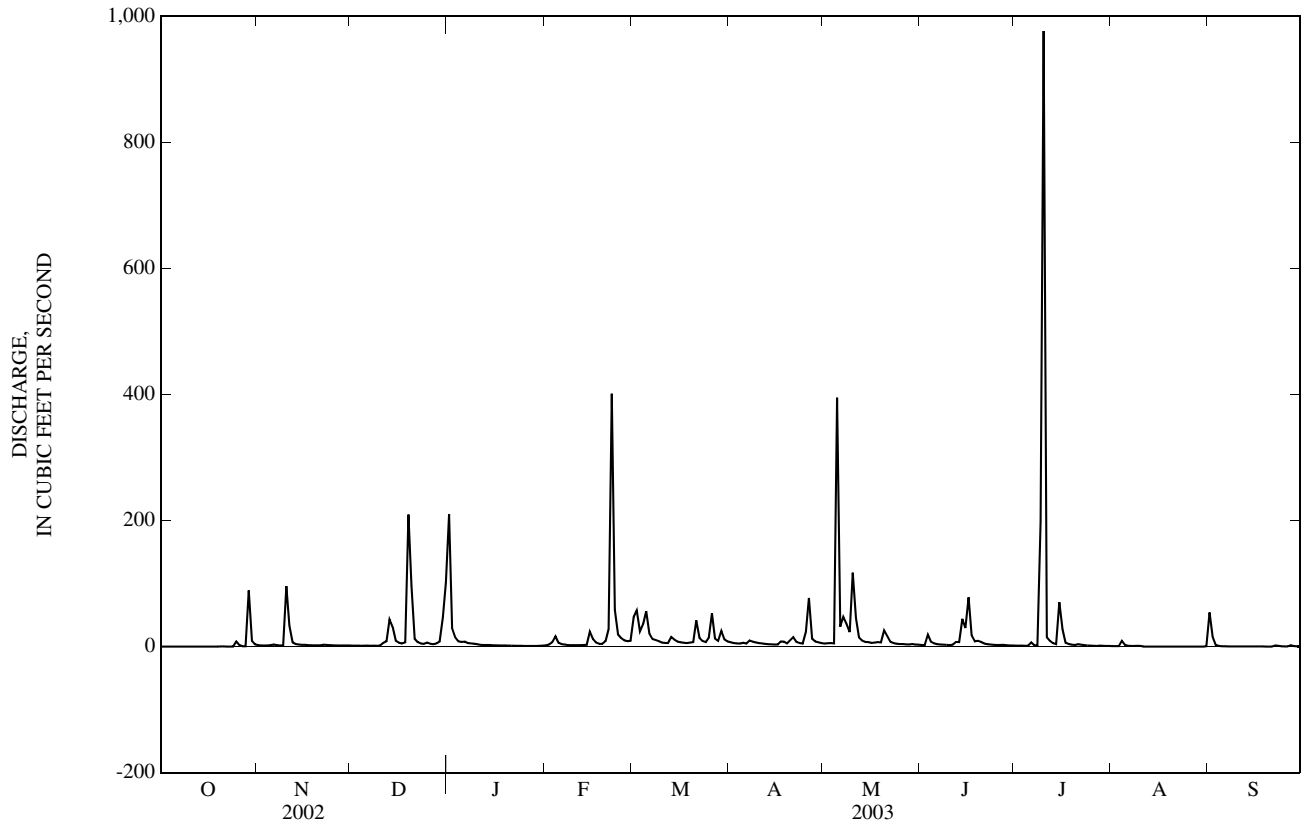
	MEAN	MAX	MIN	(WY)	MEAN	MAX	MIN	(WY)	MEAN	MAX	MIN	(WY)	MEAN	MAX	MIN	(WY)
	3.82	58.5	0.000	(2002)	10.1	64.5	0.000	(1986)	17.9	86.9	0.000	(1991)	19.5	70.4	0.063	(1959)
	10.1	64.5	0.000	(1986)	17.9	86.9	0.000	(1991)	19.5	70.4	0.063	(1959)	22.1	51.8	1.44	(1971)
	17.9	86.9	0.000	(1991)	19.5	70.4	0.063	(1959)	22.1	51.8	1.44	(1971)	27.4	89.6	4.22	(1963)
	22.1	51.8	1.44	(1971)	27.4	89.6	4.22	(1963)	25.6	79.9	2.12	(1998)	25.6	79.9	2.12	(1998)
	27.4	89.6	4.22	(1963)	25.6	79.9	2.12	(1998)	21.6	88.8	0.76	(2002)	21.6	88.8	0.76	(2002)
	21.6	88.8	0.76	(2002)	9.81	45.6	0.12	(1997)	9.81	45.6	0.12	(1997)	9.81	45.6	0.12	(1997)
	9.81	45.6	0.12	(1997)	7.90	72.0	0.025	(1962)	7.90	72.0	0.025	(1962)	7.90	72.0	0.025	(1962)
	7.90	72.0	0.025	(1962)	4.47	41.9	0.000	(1978)	4.47	41.9	0.000	(1978)	4.47	41.9	0.000	(1978)
	4.47	41.9	0.000	(1978)	2.15	22.4	0.000	(2001)	2.15	22.4	0.000	(2001)	2.15	22.4	0.000	(2001)
	2.15	22.4	0.000	(2001)												

SUMMARY STATISTICS

	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1956 - 2003	
ANNUAL TOTAL	8,203.85		5,421.58			
ANNUAL MEAN	22.5		14.9		14.3	
HIGHEST ANNUAL MEAN					31.2	
LOWEST ANNUAL MEAN					5.92	
HIGHEST DAILY MEAN	710	May 8	977	Jul 10	1,460	Jan 21, 1959
LOWEST DAILY MEAN	0.00	Jul 28	0.00	Aug 19	0.00	Oct 4, 1955
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 28	0.00	Aug 19	0.00	Aug 6, 1956
MAXIMUM PEAK FLOW			6,830	Jul 10	9,360	Jun 10, 1981
MAXIMUM PEAK STAGE			12.61	Jul 10	12.99	Jun 10, 1981
ANNUAL RUNOFF (CFSM)	1.97		1.30		1.26	
ANNUAL RUNOFF (INCHES)	26.77		17.69		17.07	
10 PERCENT EXCEEDS	54		25		25	
50 PERCENT EXCEEDS	2.9		3.2		2.2	
90 PERCENT EXCEEDS	0.00		0.10		0.00	

e Estimated

03368000 BRUSH CREEK NEAR NEBRASKA, IN—Continued



03369500 VERNON FORK MUSCATATUCK RIVER AT VERNON, IN

LOCATION.--Lat 38°58'34", long 85°37'13", in NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.10, T.6 N., R.8 E., Jennings County, Hydrologic Unit 05120207, (VERNON, IN quadrangle), at left upstream side of bridge, 1 mi southwest of Vernon, 3.1 mi downstream from Otter Creek, and at mile 36.4.

DRAINAGE AREA.--198 mi².

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for some periods, published in WSP 1305. Prior to October 1979, published as Vernon Fork at Vernon.

REVISED RECORDS.--WSP 1335: 1940, 1953. WSP 1909: 1952-53. WSP 2109: Drainage area. WDR IN-91-1: 1990. WDR IN-95-1: 1991-94 (M). WDR IN-99-1: 1991-94, 1998 (M).

GAGE.--Water-stage recorder. Datum of gage is 585.00 ft above National Geodetic Vertical Datum of 1929, (levels by State of Indiana, Department of Natural Resources). Prior to Jan. 14, 1940, and June 23 to Nov. 13, 1967, nonrecording gage, and Jan. 14, 1940, to June 22, 1967, water-stage recorder at site on right bank. Prior to Aug. 8, 1983, datum 2.30 ft higher.

REMARKS.--Records fair except those for June 1 - 11 and estimated daily discharges, which are poor. Diversion above station for municipal water supply of North Vernon and Vernon. Part of this diversion returned above gage as sewage effluent by North Vernon Sewage Treatment Plant. Some regulation at times at low flow by Old Timbers Lake on Jefferson Proving Grounds and Brush Creek Reservoir.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	80	35	3,240	e48	407	183	140	65	52	36	324
2	8.7	55	34	1,080	47	975	162	132	62	38	33	1,370
3	6.8	42	32	480	79	621	142	136	132	34	32	338
4	7.5	39	30	287	326	434	130	115	203	31	473	95
5	9.0	42	32	219	e140	1,270	158	4,080	112	29	352	48
6	13	69	31	206	e100	700	147	1,040	87	40	116	31
7	12	70	31	183	e72	396	190	481	83	41	71	24
8	9.4	53	31	152	e58	332	249	605	67	34	55	19
9	8.7	44	30	137	e60	325	179	428	63	132	47	16
10	9.4	288	29	119	e59	220	151	2,430	55	11,300	87	14
11	9.4	1,530	52	e100	e58	133	134	1,540	97	789	62	12
12	9.1	261	169	e86	e56	116	121	540	152	359	46	11
13	10	139	286	e77	e52	150	109	322	345	211	41	11
14	8.9	97	837	e70	e56	315	100	234	600	142	35	11
15	8.1	76	302	e64	269	178	95	236	907	134	31	13
16	7.9	67	191	e62	331	144	86	220	1,310	1,000	29	17
17	9.3	60	135	e60	168	126	219	193	538	246	27	17
18	8.1	53	142	e58	129	115	283	278	263	157	25	14
19	15	49	1,420	e56	105	117	164	206	209	127	24	12
20	20	43	2,660	e56	123	162	163	357	214	108	22	11
21	14	38	516	e55	302	599	615	675	120	112	21	11
22	13	45	271	e54	3,520	392	268	279	91	143	21	43
23	13	52	184	e53	2,360	218	175	198	76	126	24	99
24	12	51	149	e52	612	168	122	159	67	106	26	57
25	64	43	179	e52	354	168	191	137	59	91	27	27
26	300	44	154	e51	278	685	1,330	125	52	86	29	18
27	94	44	123	e50	249	351	363	115	79	80	34	225
28	58	41	114	e50	225	237	211	106	84	131	44	113
29	778	39	154	e50	---	354	199	105	78	95	42	46
30	509	38	691	e49	---	321	163	108	73	60	49	29
31	142	---	1,180	e49	---	218	---	77	---	40	109	---
TOTAL	2,199.3	3,592	10,224	7,357	10,236	10,947	6,802	15,797	6,343	16,074	2,070	3,076
MEAN	70.9	120	330	237	366	353	227	510	211	519	66.8	103
MAX	778	1,530	2,660	3,240	3,520	1,270	1,330	4,080	1,310	11,300	473	1,370
MIN	6.8	38	29	49	47	115	86	77	52	29	21	11
CFSM	0.36	0.60	1.67	1.20	1.85	1.78	1.15	2.57	1.07	2.62	0.34	0.52
IN.	0.41	0.67	1.92	1.38	1.92	2.06	1.28	2.97	1.19	3.02	0.39	0.58

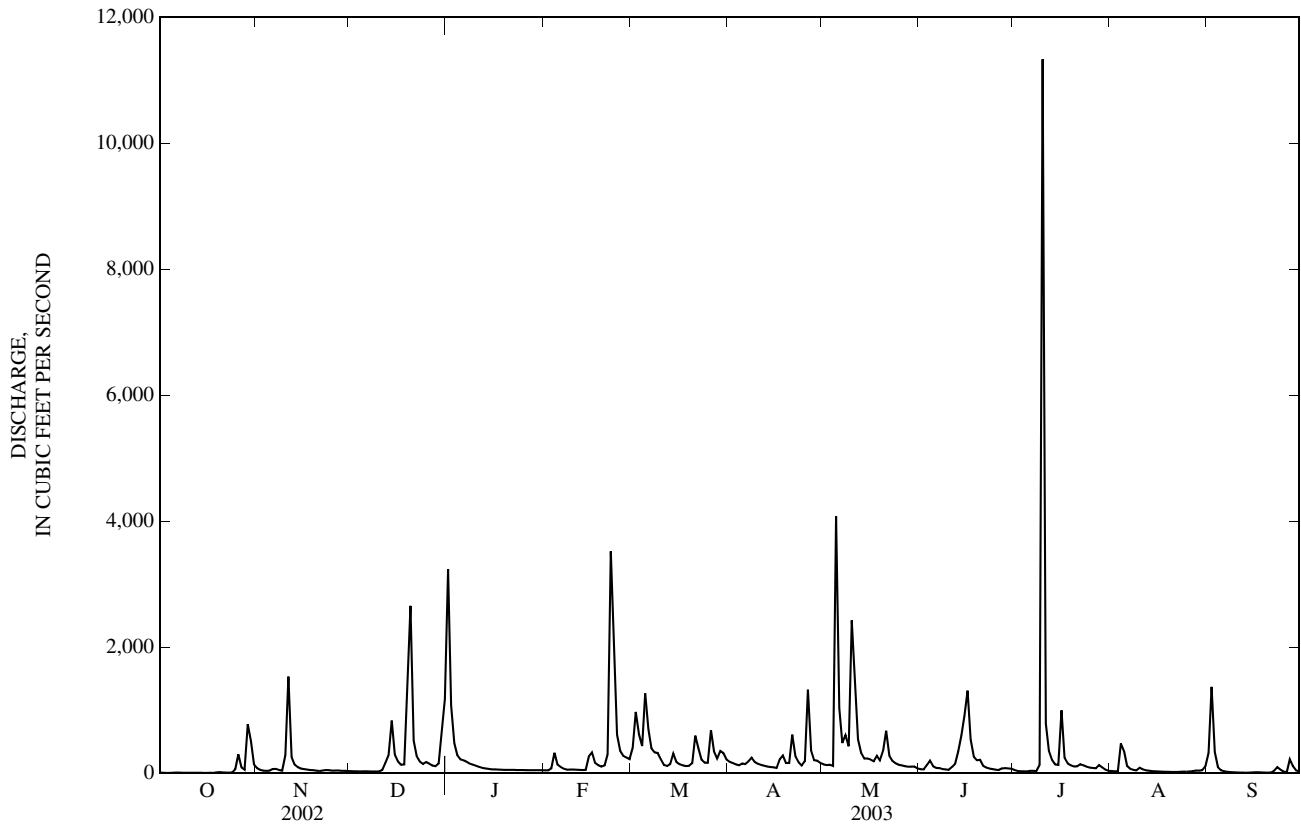
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2003, BY WATER YEAR (WY)

MEAN	50.1	142	262	348	387	464	414	313	170	106	65.6	37.6
MAX	771	986	962	2,049	1,188	1,798	1,402	1,440	963	581	639	284
(WY)	(2002)	(1986)	(1991)	(1950)	(1950)	(1945)	(1998)	(1968)	(1960)	(1962)	(1978)	(1974)
MIN	0.22	0.61	1.03	4.23	24.4	19.0	37.3	8.77	1.80	0.63	0.003	0.19
(WY)	(1941)	(1954)	(1944)	(1977)	(1964)	(1941)	(1941)	(1941)	(1988)	(1954)	(1940)	(1943)

03369500 VERNON FORK MUSCATATUCK RIVER AT VERNON, IN—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1940 - 2003	
ANNUAL TOTAL	118,942.2		94,717.3			
ANNUAL MEAN	326		259		229	
HIGHEST ANNUAL MEAN					468	1950
LOWEST ANNUAL MEAN					32.8	1954
HIGHEST DAILY MEAN	8,640	May 13	11,300	Jul 10	31,900	Jan 21, 1959
LOWEST DAILY MEAN	2.3	Sep 12	6.8	Oct 3	0.00	Aug 2, 1940
ANNUAL SEVEN-DAY MINIMUM	2.5	Sep 8	8.8	Oct 12	0.00	Aug 2, 1940
MAXIMUM PEAK FLOW			26,600	Jul 10	56,800	Jan 21, 1959
MAXIMUM PEAK STAGE			25.59	Jul 10	32.83	Jan 21, 1959
ANNUAL RUNOFF (CF5M)	1.65		1.31		1.16	
ANNUAL RUNOFF (INCHES)	22.35		17.80		15.73	
10 PERCENT EXCEEDS	687		512		462	
50 PERCENT EXCEEDS	85		100		49	
90 PERCENT EXCEEDS	6.0		18		2.8	

e Estimated



03371500 EAST FORK WHITE RIVER NEAR BEDFORD, IN

LOCATION.--Lat 38°46'10", long 86°24'30", in SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.21, T.4 N., R.1 E., Lawrence County, Hydrologic Unit 05120208, (BEDFORD EAST, IN quadrangle), on right downstream side of county road bridge, 0.4 mi upstream from Mill Creek, 2.9 mi downstream from Sugar Creek, 3.9 mi northeast of Mitchell, 7.8 mi southeast of Bedford, and at mile 153.3.

DRAINAGE AREA.--3,861 mi².

PERIOD OF RECORD.--May 1939 to current year (high-water records only October 1943 to September 1957).

REVISED RECORDS.--WSP 2109: Drainage area. WDR IN-73-1: 1972.

GAGE.--Water-stage recorder. Datum of gage is 473.59 ft above National Geodetic Vertical Datum of 1929. Prior to Feb. 6, 1940, nonrecording gage, and Feb. 6, 1940 to Sept. 24, 1957, water-stage recorder, at site 9.8 mi downstream at datum 4.39 ft lower.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of 47.5 ft, from floodmark determined by U.S. Army Corps of Engineers, discharge, 155,000 ft³/s, at former site.

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	3,120	3,540	1,110	9,070	e1,700	12,700	8,110	7,130	3,010	2,190	5,450	1,330
2	2,310	2,680	1,070	11,800	e1,700	10,300	7,330	5,640	2,810	2,070	4,150	3,050
3	1,450	1,900	1,030	13,300	e1,680	9,430	6,130	4,270	2,960	2,120	2,910	5,070
4	1,050	1,500	1,010	16,200	e1,850	9,460	5,270	3,690	3,650	2,010	2,340	7,930
5	881	1,290	1,010	18,400	2,180	9,890	4,790	6,330	3,720	1,950	2,060	9,540
6	799	1,210	994	17,600	3,060	10,100	4,470	10,500	3,510	1,840	2,370	10,800
7	758	1,270	976	14,400	3,500	10,700	4,580	11,500	3,140	1,970	3,370	12,100
8	700	1,380	950	11,100	3,260	11,800	5,130	14,000	2,710	4,110	2,920	12,000
9	672	1,350	923	8,770	e2,850	11,900	5,160	16,600	2,460	5,910	2,310	8,170
10	652	1,380	910	6,680	e2,400	10,600	5,020	19,800	2,300	7,350	1,940	4,690
11	607	2,690	920	e5,300	e2,200	9,740	4,610	20,200	2,440	8,940	1,750	3,510
12	581	4,800	939	e4,400	e2,000	10,200	4,170	18,100	3,900	11,500	1,740	2,960
13	565	6,780	1,170	e3,900	e1,900	10,400	3,800	17,400	5,390	16,500	1,970	2,590
14	528	6,570	2,650	e3,500	e1,880	9,300	3,490	18,800	6,390	18,600	1,820	2,310
15	506	5,490	4,120	e3,100	e2,100	8,490	3,220	20,000	8,060	17,200	1,620	2,120
16	487	3,940	4,890	e2,800	4,100	9,120	3,010	19,100	9,560	13,700	1,510	1,980
17	470	2,830	4,480	e2,600	e5,100	9,660	2,880	15,400	12,100	10,600	1,370	1,850
18	452	2,300	3,620	e2,500	e5,050	9,010	3,810	12,200	15,400	9,190	1,260	1,720
19	460	2,010	3,760	e2,400	e4,300	7,780	6,010	10,400	17,600	6,810	1,160	1,610
20	457	1,800	6,820	e2,300	e3,750	7,220	6,570	8,980	15,600	4,880	1,070	1,510
21	452	1,650	8,750	e2,200	e3,400	7,130	6,630	7,800	10,900	4,030	1,010	1,450
22	452	1,550	10,100	e2,100	e5,900	7,240	6,080	7,350	7,130	4,650	966	1,440
23	446	1,460	11,200	e2,050	12,000	7,890	6,000	7,340	5,190	4,930	921	1,530
24	443	1,390	11,000	e2,000	12,600	8,220	5,370	6,570	4,220	5,640	873	1,690
25	486	1,370	9,780	e1,950	14,500	7,430	4,610	5,310	3,630	5,610	829	1,850
26	650	1,340	8,120	e1,900	18,200	6,460	7,620	4,420	3,190	4,780	795	1,830
27	994	1,310	6,450	e1,850	19,400	6,450	8,600	3,910	2,880	3,830	767	1,900
28	1,630	1,250	4,740	e1,800	16,300	7,000	8,470	3,560	2,650	3,670	766	1,990
29	1,800	1,200	3,790	e1,800	---	7,200	8,310	3,320	2,470	5,570	783	2,360
30	2,080	1,150	3,440	e1,750	---	7,110	7,950	3,120	2,320	5,910	967	3,400
31	3,170	---	4,080	e1,700	---	7,650	---	3,060	---	5,790	1,030	---
TOTAL	30,108	70,380	124,802	181,220	158,860	277,580	167,200	315,800	171,290	203,850	54,797	116,280
MEAN	971	2,346	4,026	5,846	5,674	8,954	5,573	10,190	5,710	6,576	1,768	3,876
MAX	3,170	6,780	11,200	18,400	19,400	12,700	8,600	20,200	17,600	18,600	5,450	12,100
MIN	443	1,150	910	1,700	1,680	6,450	2,880	3,060	2,300	1,840	766	1,330
CFSM	0.25	0.61	1.04	1.51	1.47	2.32	1.44	2.64	1.48	1.70	0.46	1.00
IN.	0.29	0.68	1.20	1.75	1.53	2.67	1.61	3.04	1.65	1.96	0.53	1.12

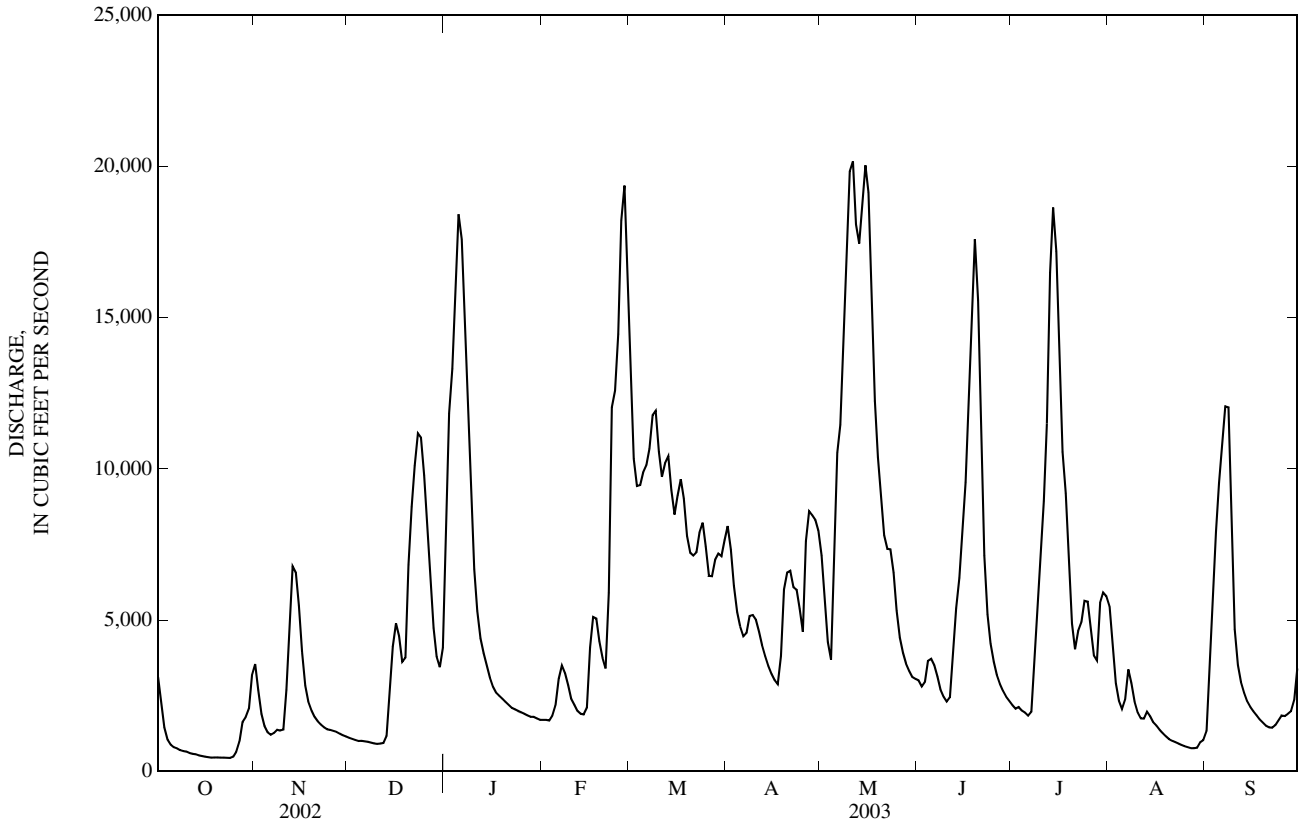
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2003, BY WATER YEAR (WY)

MEAN	1,222	2,427	4,581	4,971	6,425	8,007	7,458	6,780	3,967	2,573	1,812	1,163
MAX	8,436	15,520	18,290	15,010	15,610	18,710	15,180	30,650	16,310	9,649	11,280	5,234
(WY)	(2002)	(1994)	(2002)	(1991)	(1982)	(1964)	(1989)	(1997)	(1997)	(1958)	(1979)	(1989)
MIN	228	284	272	300	712	450	730	382	622	603	291	244
(WY)	(1941)	(2000)	(1964)	(1977)	(1941)	(1941)	(1941)	(1941)	(1988)	(1941)	(1941)	(1941)

03371500 EAST FORK WHITE RIVER NEAR BEDFORD, IN—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1940 - 2003	
ANNUAL TOTAL	2,252,377		1,872,167		4,272	
ANNUAL MEAN	6,171		5,129		8,192	
HIGHEST ANNUAL MEAN					643	
LOWEST ANNUAL MEAN					1941	
HIGHEST DAILY MEAN	49,100	May 17	20,200	May 11	78,200	May 1, 1996
LOWEST DAILY MEAN	370	Sep 19	443	Oct 24	138	Sep 7, 1941
ANNUAL SEVEN-DAY MINIMUM	377	Sep 13	452	Oct 18	196	Sep 5, 1941
MAXIMUM PEAK FLOW			20,900	May 10	80,500	May 1, 1996
MAXIMUM PEAK STAGE			21.94	May 10	36.32	May 1, 1996
ANNUAL RUNOFF (CFSM)	1.60		1.33		1.11	
ANNUAL RUNOFF (INCHES)	21.70		18.04		15.03	
10 PERCENT EXCEEDS	16,200		11,600		10,500	
50 PERCENT EXCEEDS	3,320		3,510		2,200	
90 PERCENT EXCEEDS	554		972		485	

e Estimated



03371520 BACK CREEK AT LEESVILLE, IN

LOCATION.--Lat 38°50'48", long 86°18'06", in SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.21, T.5 N., R.2 E., Lawrence County, Hydrologic Unit 05120208, (TUNNELTON, IN quadrangle), on left bank at downstream side of county road bridge, 0.9 mi west of Leesville, 2.5 mi upstream from Jones Defeat Hollow, and 7 miles upstream from mouth.

DRAINAGE AREA.--24.1 mi².

PERIOD OF RECORD.--October 1970 to October 2003 (discontinued).

REVISED RECORDS.--WDR IN-72-1: 1971.

GAGE.--Water-stage recorder. Datum of gage is 575.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except for estimated daily discharges and those below 1.0 ft³/s, which are poor.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1913 reached a stage of 18.1 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	0.66	4.4	4.2	586	e1.5	37	40	21	5.1	2.2	6.3	65
2	0.60	3.2	4.1	168	e1.7	69	31	22	4.2	2.2	5.2	38
3	0.61	3.1	3.7	79	e3.1	56	25	16	48	1.8	4.6	11
4	0.77	3.1	3.5	41	e18	87	22	14	21	1.7	4.0	6.1
5	1.0	3.4	3.8	28	e8.0	370	41	855	13	1.4	3.5	3.9
6	0.86	6.5	4.0	21	e6.0	153	29	172	9.4	1.7	3.1	2.8
7	0.70	5.4	4.0	e13	e4.5	90	42	82	8.1	2.3	2.7	2.2
8	0.60	4.3	3.9	e7.1	e3.9	82	38	66	6.9	1.7	2.4	1.9
9	0.60	3.8	4.0	e5.2	e3.5	67	37	127	6.1	1.7	2.4	1.6
10	0.65	164	4.1	e3.9	e3.3	41	32	463	6.5	175	3.0	1.4
11	0.72	129	5.7	e3.1	e3.2	32	27	183	69	15	3.3	1.2
12	0.72	33	7.3	e2.6	e3.1	28	22	80	437	8.6	3.1	1.0
13	0.78	19	59	e2.2	e3.4	58	19	44	123	5.7	2.8	0.92
14	0.70	14	121	e1.8	e11	55	16	30	131	4.2	2.7	0.91
15	0.64	12	69	e1.5	e125	40	14	24	60	3.9	2.4	0.83
16	0.60	10	58	e1.5	e80	34	12	18	77	5.3	2.2	0.72
17	0.58	8.3	40	e1.5	e40	28	21	24	37	3.4	2.0	0.66
18	0.53	7.3	38	e1.3	e29	25	21	24	22	3.4	1.8	0.60
19	0.93	7.4	391	e1.2	e26	30	17	18	23	3.1	1.6	0.58
20	1.4	6.7	281	e1.1	e25	33	57	20	21	2.4	1.5	0.52
21	1.2	6.2	88	e1.0	e32	35	69	20	13	268	1.5	0.49
22	1.0	7.3	47	e0.96	874	31	37	16	10	138	1.3	1.4
23	1.0	6.3	29	e0.91	294	26	26	13	7.9	53	1.4	1.9
24	1.1	5.5	24	e0.88	94	23	21	10	6.3	26	1.3	1.4
25	4.5	5.0	e19	e0.87	53	25	125	8.7	5.0	15	1.2	1.1
26	8.0	4.4	e12	e3.6	38	68	184	7.8	4.6	11	1.1	1.0
27	2.8	4.1	e11	e3.3	30	44	67	6.6	4.4	8.4	1.0	5.2
28	2.5	3.8	e10	e2.0	26	38	42	5.7	3.4	34	0.95	2.9
29	116	3.6	e9.6	e2.4	---	239	32	7.2	2.9	17	3.0	2.0
30	21	4.1	77	e1.9	---	85	24	5.6	2.4	10	11	1.7
31	7.3	---	238	e1.7	---	53	---	6.1	---	7.7	53	---
TOTAL	181.05	498.2	1,673.9	989.52	1,840.2	2,082	1,190	2,409.7	1,188.2	834.8	137.35	160.93
MEAN	5.84	16.6	54.0	31.9	65.7	67.2	39.7	77.7	39.6	26.9	4.43	5.36
MAX	116	164	391	586	874	370	184	855	437	268	53	65
MIN	0.53	3.1	3.5	0.87	1.5	23	12	5.6	2.4	1.4	0.95	0.49
CFSM	0.24	0.69	2.24	1.32	2.73	2.79	1.65	3.23	1.64	1.12	0.18	0.22
IN.	0.28	0.77	2.58	1.53	2.84	3.21	1.84	3.72	1.83	1.29	0.21	0.25

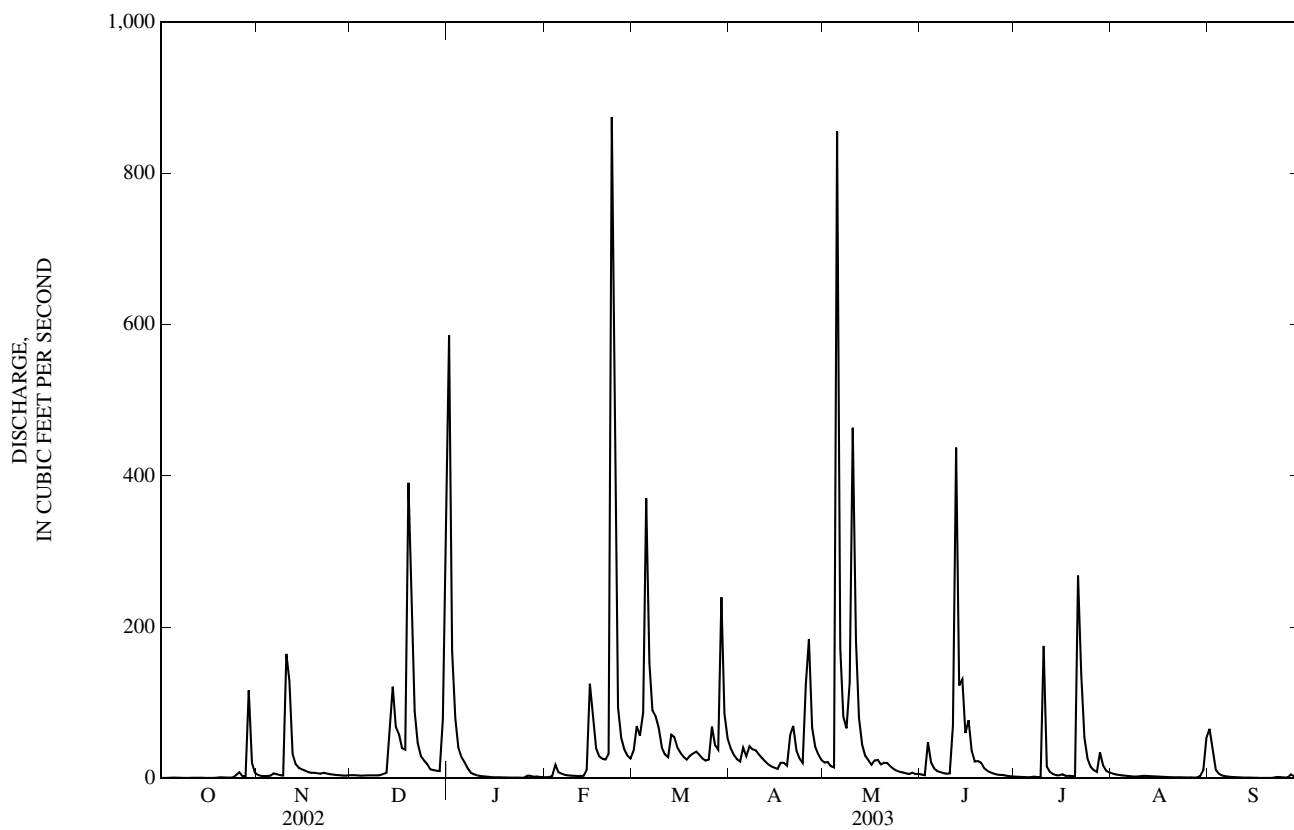
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2003, BY WATER YEAR (WY)

MEAN	10.0	31.2	44.7	42.4	53.0	65.5	69.5	50.8	25.4	20.2	15.5	6.47
MAX	62.3	132	141	147	105	168	176	214	159	195	92.4	60.9
(WY)	(2002)	(1986)	(2002)	(1982)	(1979)	(1989)	(1972)	(2002)	(1997)	(1973)	(1979)	(1974)
MIN	0.000	0.008	1.71	0.98	5.78	9.74	6.84	2.70	0.25	0.014	0.037	0.000
(WY)	(1989)	(2000)	(2000)	(1977)	(1992)	(1981)	(2001)	(1988)	(1988)	(1991)	(1999)	(1988)

03371520 BACK CREEK AT LEESVILLE, IN—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1971 - 2003	
ANNUAL TOTAL	20,922.68		13,185.85		36.1	
ANNUAL MEAN	57.3		36.1		74.2	
HIGHEST ANNUAL MEAN					14.4	
LOWEST ANNUAL MEAN					1987	
HIGHEST DAILY MEAN	1,670	May 13	874	Feb 22	5,000	Jul 21, 1973
LOWEST DAILY MEAN	0.00	Jul 29	0.49	Sep 21	0.00	Oct 4, 1970
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 29	0.63	Sep 15	0.00	Jul 12, 1975
MAXIMUM PEAK FLOW			2,530	Jul 21	15,300	Jul 21, 1973
MAXIMUM PEAK STAGE			7.12	Jul 21	14.00	Jul 21, 1973
ANNUAL RUNOFF (CFSM)	2.38		1.50		1.50	
ANNUAL RUNOFF (INCHES)	32.30		20.35		20.36	
10 PERCENT EXCEEDS	148		80		77	
50 PERCENT EXCEEDS	7.2		7.3		9.0	
90 PERCENT EXCEEDS	0.00		1.0		0.29	

e Estimated



03372500 SALT CREEK NEAR HARRODSBURG, IN—Continued

WATER-QUALITY RECORDS

INSTRUMENTATION.--Temperature recorder.

PERIOD OF RECORD.--

WATER TEMPERATURE.--August 1966 to September 1967; October 1968 to September 1976 and September 1988 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 28.9°C, July 10-11, 1973 and July 30, 1975; minimum, 0.7°C, Feb. 3-5, 1996.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 23.1°C, Oct. 1-2, minimum, 2.3°C, Jan. 23, 26, 30.

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	23.1	20.5	22.5	14.6	13.9	14.1	7.9	7.6	7.7	5.1	4.7	4.8
2	23.1	22.3	22.6	14.2	13.5	13.9	8.3	7.2	7.7	4.7	4.7	4.7
3	22.7	22.3	22.4	13.9	13.5	13.5	7.2	6.5	6.9	4.7	4.4	4.4
4	22.7	22.3	22.5	13.5	13.1	13.4	6.5	5.8	6.4	4.7	4.4	4.5
5	22.3	21.5	22.1	13.1	13.1	13.1	6.5	5.8	6.0	4.7	4.4	4.5
6	22.3	21.5	21.8	13.1	12.4	12.7	6.1	5.4	5.8	4.4	4.0	4.4
7	21.9	21.1	21.5	12.8	12.4	12.5	6.1	5.4	5.7	4.4	4.4	4.4
8	21.5	20.7	21.2	12.8	12.0	12.3	6.1	5.4	5.9	4.4	4.4	4.4
9	21.1	20.7	20.8	12.8	12.0	12.5	5.8	5.1	5.4	4.7	4.4	4.5
10	20.7	20.7	20.7	13.1	12.4	12.8	5.8	5.4	5.5	4.4	4.0	4.4
11	20.7	20.3	20.7	13.1	12.4	12.7	5.4	4.7	5.2	4.0	4.0	4.0
12	20.7	20.3	20.5	12.4	12.0	12.3	5.8	5.4	5.5	4.0	4.0	4.0
13	20.3	19.5	20.0	12.4	11.7	12.0	5.4	4.7	5.2	4.0	3.7	3.9
14	19.9	19.1	19.5	12.4	11.7	12.1	5.4	4.7	5.0	4.0	3.3	3.5
15	19.5	19.1	19.2	12.0	11.3	11.8	5.4	5.1	5.2	3.7	3.3	3.4
16	19.1	18.7	18.9	11.3	11.0	11.2	5.4	4.7	5.1	3.7	3.3	3.5
17	18.7	18.3	18.5	11.0	10.6	10.8	5.1	5.1	5.1	3.3	3.0	3.1
18	18.7	17.9	18.1	11.0	10.3	10.6	5.8	5.1	5.5	3.3	3.0	3.1
19	18.3	17.6	18.0	11.3	10.6	10.8	5.8	5.8	5.8	3.0	2.6	2.8
20	17.9	17.6	17.6	11.0	10.3	10.6	5.8	5.4	5.7	2.6	2.6	2.6
21	17.6	17.2	17.3	11.0	9.9	10.4	5.8	5.4	5.5	2.6	2.6	2.6
22	17.6	16.8	17.2	10.3	9.9	9.9	5.8	5.4	5.5	2.6	2.6	2.6
23	17.2	16.8	17.0	10.3	9.6	9.9	5.4	5.1	5.4	2.6	2.3	2.6
24	17.2	16.4	16.8	10.3	9.6	9.9	5.4	5.1	5.2	2.6	2.6	2.6
25	16.8	16.4	16.5	9.9	9.2	9.8	5.1	4.7	4.8	2.6	2.6	2.6
26	16.4	16.1	16.3	9.6	8.9	9.2	4.7	4.7	4.7	2.6	2.3	2.6
27	16.1	15.7	16.0	9.2	8.5	8.9	4.7	4.7	4.7	2.6	2.3	2.4
28	16.4	15.7	15.9	8.9	8.5	8.7	4.7	4.4	4.7	2.6	2.3	2.3
29	15.7	14.9	15.2	9.3	8.5	8.7	4.7	4.4	4.4	2.6	2.3	2.4
30	14.9	14.6	14.8	8.6	7.6	8.2	4.7	4.4	4.6	2.6	2.3	2.5
31	14.9	14.6	14.6	---	---	---	5.1	4.7	4.9	2.6	2.6	2.6
MONTH	23.1	14.6	18.9	14.6	7.6	11.3	8.3	4.4	5.5	5.1	2.3	3.4

03373500 EAST FORK WHITE RIVER AT SHOALS, IN

LOCATION.--Lat 38°40'02", long 86°47'32", in SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.30, T.3 N., R.3 W., Martin County, Hydrologic Unit 05120208, (SHOALS, IN quadrangle), on upstream left bank, 30 ft upstream of Highway 50 bridge at Shoals, 1.0 mi upstream from Beaver Creek, 6.5 mi downstream from Indian Creek, and at mile 105.4.

DRAINAGE AREA.--4,927 mi².

PERIOD OF RECORD.--June 1903 to July 1906, October 1908 to September 1916, June 1923 to current year. Monthly discharge only for some periods, published in WSP 1305. Published as East Branch White River at Shoals, 1903-06, 1908-16. Gage-height records collected at same site since May 1908 are contained in reports of the National Weather Service.

REVISED RECORDS.--WSP 353: 1912. WSP 1335: 1903-6. WSP 2109: Drainage area. WDR IN-91-1: Location.

GAGE.--Water-stage recorder. Datum of gage is 442.25 ft above National Geodetic Vertical Datum of 1929. Oct. 26, 1932 to Dec. 12, 1989 and Aug. 9, 1999 to present, at current site. Water-stage recorder, located 440 ft downstream of U.S. Highway bridge, Dec. 13, 1989 to Aug. 9, 1999. See WSP 1725 for history of changes prior to Oct. 26, 1932.

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

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	3,390	3,790	1,320	11,600	2,190	17,900	10,200	9,440	5,160	4,000	6,890	1,570
2	3,110	3,600	1,270	16,900	2,150	15,000	10,100	8,630	5,040	3,870	5,890	2,950
3	2,300	2,770	1,230	15,900	2,080	13,200	8,790	7,070	5,070	3,770	4,320	4,960
4	1,620	2,110	1,190	16,500	2,200	12,700	7,500	5,790	5,590	3,680	3,330	6,820
5	1,270	1,740	1,170	18,300	2,590	14,000	7,110	8,790	5,930	3,270	2,750	9,110
6	1,110	1,580	1,150	19,400	2,820	15,700	6,380	16,600	5,710	2,810	2,490	10,600
7	987	1,510	1,140	18,200	3,500	14,900	5,830	15,700	5,010	2,530	3,000	11,900
8	905	1,550	1,120	15,000	3,670	14,900	6,300	16,100	4,130	2,740	3,540	12,900
9	840	1,610	1,100	11,800	3,370	15,700	6,470	18,900	3,490	4,910	3,070	11,600
10	805	1,690	1,080	9,520	3,050	15,000	6,300	25,200	3,200	8,400	2,560	7,100
11	775	3,690	1,090	7,720	2,780	13,200	5,970	28,500	3,310	11,600	2,250	4,520
12	742	4,930	1,100	6,780	2,650	12,700	5,360	25,800	4,700	11,200	2,070	3,550
13	711	6,190	1,210	6,250	2,530	13,400	4,700	21,900	8,340	14,000	2,120	3,040
14	678	7,050	2,460	5,750	2,420	13,700	4,290	20,200	8,450	17,500	2,270	2,680
15	653	6,400	4,640	5,290	2,760	12,200	3,970	20,400	11,600	18,400	2,110	2,410
16	635	5,190	5,530	5,010	4,750	11,600	3,700	20,700	11,300	17,200	1,960	2,210
17	617	3,880	5,550	4,740	5,950	12,200	3,570	19,700	13,500	13,800	1,840	2,070
18	603	3,010	4,860	4,370	6,450	12,300	3,730	16,600	16,100	11,100	1,690	1,960
19	635	2,560	5,930	3,990	6,100	11,300	5,070	13,500	18,000	9,350	1,570	1,830
20	636	2,260	10,900	3,780	5,580	10,400	6,790	11,400	18,900	7,030	1,470	1,720
21	635	2,050	11,600	3,280	5,440	9,700	7,710	9,860	16,500	5,770	1,390	1,620
22	618	1,900	11,300	2,770	8,260	9,560	7,490	8,890	11,700	e6,000	1,330	1,620
23	558	1,790	12,000	e2,400	18,100	9,850	6,760	9,200	8,150	e6,600	1,270	1,600
24	571	1,700	12,700	e2,050	18,400	10,400	6,350	9,220	6,610	e7,100	1,210	1,670
25	700	1,630	12,400	e2,000	16,400	10,200	5,970	8,300	5,760	e7,000	1,160	1,820
26	863	1,580	10,900	e1,950	17,500	9,390	8,660	7,060	5,230	e6,400	1,110	1,930
27	1,140	1,530	9,000	e1,900	19,800	8,620	11,100	6,340	4,850	e5,800	1,070	2,090
28	1,400	1,480	7,080	e1,910	20,300	8,880	10,600	5,970	4,540	e5,400	1,030	2,390
29	2,050	1,430	5,680	1,920	---	10,200	10,100	5,660	4,320	e5,800	1,040	2,380
30	3,120	1,370	5,020	2,120	---	10,900	9,830	5,420	4,150	e7,400	1,300	2,840
31	3,310	---	5,640	2,260	---	9,820	---	5,230	---	7,090	1,490	---
TOTAL	37,987	83,570	158,360	231,360	193,790	379,520	206,700	412,070	234,340	241,520	70,590	125,460
MEAN	1,225	2,786	5,108	7,463	6,921	12,240	6,890	13,290	7,811	7,791	2,277	4,182
MAX	3,390	7,050	12,700	19,400	20,300	17,900	11,100	28,500	18,900	18,400	6,890	12,900
MIN	558	1,370	1,080	1,900	2,080	8,620	3,570	5,230	3,200	2,530	1,030	1,570
CFSM	0.25	0.57	1.04	1.51	1.40	2.48	1.40	2.70	1.59	1.58	0.46	0.85
IN.	0.29	0.63	1.20	1.75	1.46	2.87	1.56	3.11	1.77	1.82	0.53	0.95

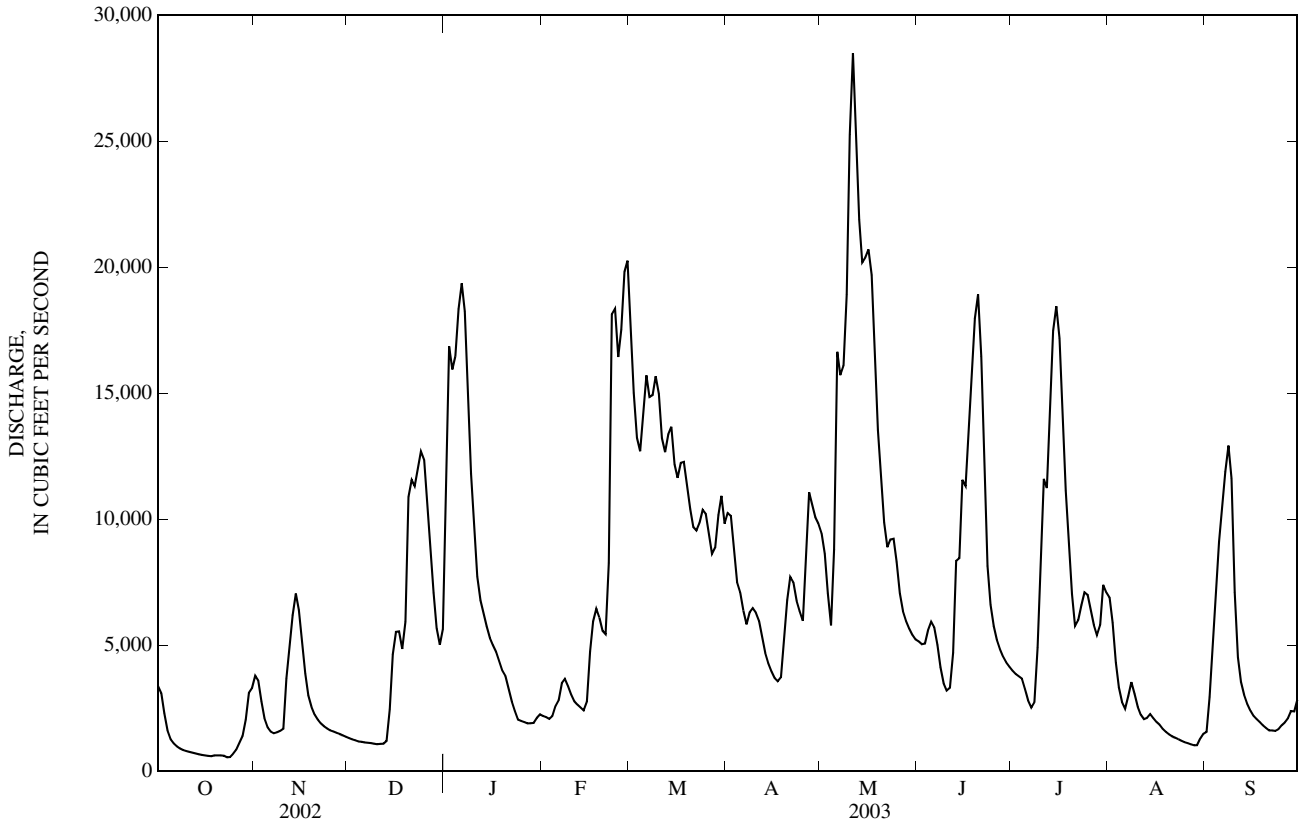
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 2003, BY WATER YEAR (WY)

MEAN	1,687	2,948	5,467	8,554	8,665	10,990	10,120	7,881	4,702	3,035	1,973	1,405
MAX	12,520	18,370	21,600	47,640	30,880	34,300	24,000	35,120	19,290	13,520	15,220	9,154
(WY)	(1911)	(1994)	(2002)	(1937)	(1950)	(1945)	(1913)	(1996)	(1997)	(1958)	(1979)	(1926)
MIN	262	293	305	432	589	562	1,029	529	696	365	265	233
(WY)	(1941)	(1955)	(1964)	(1931)	(1931)	(1941)	(1915)	(1941)	(1936)	(1954)	(1936)	(1954)

03373500 EAST FORK WHITE RIVER AT SHOALS, IN—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1904 - 2003	
ANNUAL TOTAL	2,911,062		2,375,267		5,599	
ANNUAL MEAN	7,976		6,508		10,370	
HIGHEST ANNUAL MEAN					855	
LOWEST ANNUAL MEAN					1941	
HIGHEST DAILY MEAN	54,600	May 14	28,500	May 11	155,000	Mar 28, 1913
LOWEST DAILY MEAN	533	Sep 14	558	Oct 23	64	Oct 6, 1935
ANNUAL SEVEN-DAY MINIMUM	575	Sep 10	608	Oct 18	168	Oct 3, 1935
MAXIMUM PEAK FLOW			28,800	May 11	160,000	Mar 28, 1913
MAXIMUM PEAK STAGE			18.91	May 11	42.20	Mar 28, 1913
ANNUAL RUNOFF (CFSM)	1.62		1.32		1.14	
ANNUAL RUNOFF (INCHES)	21.98		17.93		15.44	
10 PERCENT EXCEEDS	19,900		15,000		14,600	
50 PERCENT EXCEEDS	4,930		5,020		2,680	
90 PERCENT EXCEEDS	738		1,200		532	

e Estimated



03373980 WHITE RIVER ABOVE PETERSBURG, IN

LOCATION.--Lat 38°31'42", long 87°15'12", in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.12, T.1 N., R.8 W., Pike County, Hydrologic Unit 05120202, (MONROE CITY, IN quadrangle), on left bank 300 ft upstream from intake structure of Indianapolis Power and Light Company's generating plant, 1.5 mi downstream from East Fork White River, 2.2 mi upstream from State Highway 61, 2.9 mi northeast of Petersburg, and at mile 48.0.

DRAINAGE AREA.--11,123 mi².

PERIOD OF RECORD.--October 1976 to current year. Discharges below 1500 ft³/s only, published 1980 to 1993, and 1995 to current year.

GAGE.--Water-stage recorder. Datum of gage is 401.52 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Discharges below 1,500 ft³/s only, published. Records fair. For a complete record of White River in this vicinity use records of White River at Petersburg, IN (03374000), 2.3 mi downstream.

DISCHARGE, CUBIC FEET PER SECOND

WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAILY MEAN VALUES

(No daily discharges below 1,500 ft³/s)

03373980 WHITE RIVER ABOVE PETERSBURG, IN—Continued

WATER-QUALITY RECORDS

INSTRUMENTATION.--Temperature recorder.

PERIOD OF RECORD.--

WATER TEMPERATURE.--September 1988 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 33.3°C, July 30, 1999; minimum, -0.4°C, Dec. 16, 21, 1989; Jan. 1, 2, 1990; Jan. 15, 16, 18, 19, 1994.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 29.2°C, Aug. 22, minimum, 0.0°C, Jan. 19, 24, and 27.

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	22.7	21.9	22.3	10.9	10.3	10.6	4.7	3.7	4.2	5.8	5.6	5.7
2	23.1	22.1	22.6	10.3	9.6	9.9	4.5	3.5	4.0	6.5	5.7	6.0
3	23.5	22.6	23.0	9.8	9.2	9.4	4.2	3.5	3.8	6.5	6.1	6.4
4	23.1	21.9	22.7	9.2	9.0	9.1	3.5	2.5	3.0	6.1	5.4	5.7
5	22.1	20.8	21.4	9.2	8.8	9.0	2.7	2.0	2.4	5.4	4.4	5.0
6	21.1	19.9	20.5	9.2	8.7	9.0	2.3	1.5	1.9	4.4	3.5	3.9
7	19.9	18.6	19.3	9.3	8.1	8.7	2.6	1.6	2.1	3.5	3.3	3.4
8	18.9	17.8	18.3	10.0	8.8	9.3	3.5	2.6	3.0	3.7	3.2	3.4
9	---	---	---	11.0	9.7	10.3	3.0	2.2	2.7	3.8	3.5	3.6
10	18.0	17.7	17.9	13.0	11.0	12.0	3.0	2.7	2.9	3.7	3.4	3.5
11	18.4	17.7	18.0	12.6	12.1	12.4	3.3	2.7	3.0	3.4	3.0	3.2
12	19.1	18.4	18.7	12.2	10.9	11.5	4.0	3.3	3.6	3.0	2.6	2.8
13	18.5	16.8	17.7	10.9	10.3	10.7	4.0	3.4	3.8	2.8	2.4	2.6
14	16.8	15.3	16.1	11.5	10.8	11.1	3.6	3.2	3.4	2.6	2.2	2.5
15	16.3	15.2	15.7	11.4	11.0	11.3	3.4	2.8	3.1	2.2	1.6	1.9
16	15.6	14.4	15.1	11.0	10.2	10.7	4.0	3.2	3.5	1.9	1.5	1.7
17	15.0	14.2	14.5	10.2	9.0	9.6	4.8	4.0	4.4	1.5	0.9	1.1
18	14.9	13.4	14.2	9.0	8.3	8.6	5.7	4.8	5.1	0.9	0.2	0.4
19	14.8	14.4	14.7	8.9	8.3	8.6	7.0	5.7	6.4	0.4	0.0	0.2
20	14.5	13.5	14.0	9.0	8.2	8.6	6.9	6.6	6.7	0.8	0.3	0.5
21	14.9	13.3	14.1	8.8	8.4	8.6	7.3	6.5	6.8	1.0	0.4	0.7
22	15.1	13.1	14.1	8.4	7.7	8.0	7.5	7.2	7.4	0.8	0.1	0.4
23	14.8	13.5	14.2	7.7	7.0	7.4	7.2	6.5	6.8	0.2	0.0	0.1
24	14.7	13.4	14.0	7.8	6.9	7.4	6.5	5.5	6.0	0.1	0.0	0.0
25	14.3	13.7	14.0	7.5	6.8	7.3	5.5	4.5	5.0	0.6	0.1	0.3
26	13.7	13.4	13.5	6.8	6.2	6.5	4.5	3.9	4.1	0.4	0.1	0.2
27	13.4	13.0	13.1	6.2	5.7	6.0	3.9	3.5	3.6	0.2	0.0	0.1
28	13.4	12.7	13.0	6.0	5.4	5.7	3.6	3.2	3.4	0.9	0.1	0.5
29	13.2	11.7	12.5	6.0	4.9	5.5	3.7	3.1	3.4	0.8	0.6	0.7
30	11.7	11.2	11.4	6.0	4.7	5.5	4.8	3.6	4.2	1.3	0.5	0.8
31	11.2	10.9	11.0	---	---	---	---	---	---	1.1	0.9	0.9
MONTH	---	---	---	13.0	4.7	8.9	---	---	---	6.5	0.0	2.2

03373980 WHITE RIVER ABOVE PETERSBURG, IN—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1.6	0.9	1.2	1.6	1.1	1.4	11.8	10.8	11.3	17.7	16.7	17.2
2	2.9	1.5	2.1	2.3	1.6	2.0	12.4	11.5	11.9	18.0	17.5	17.8
3	4.3	2.9	3.7	3.0	2.3	2.6	13.0	12.1	12.5	18.7	17.5	18.1
4	4.2	3.0	3.6	4.0	3.0	3.4	13.8	13.0	13.3	18.4	17.5	17.9
5	3.1	2.3	2.7	4.4	4.0	4.3	13.8	12.9	13.3	18.0	16.9	17.5
6	2.7	2.1	2.4	4.4	4.1	4.3	12.9	12.1	12.4	18.0	17.4	17.7
7	2.1	1.4	1.7	5.1	4.4	4.8	12.2	11.9	12.0	17.6	16.8	17.0
8	2.0	1.1	1.6	5.7	4.8	5.2	12.1	11.6	11.9	17.4	16.7	17.0
9	2.1	1.5	1.8	5.6	5.0	5.3	11.6	10.6	11.1	17.9	17.4	17.7
10	2.3	1.9	2.1	5.3	4.7	5.0	11.4	10.2	10.8	19.1	17.9	18.5
11	2.3	1.6	2.0	5.9	5.1	5.5	11.9	10.5	11.2	19.1	18.6	18.9
12	2.1	1.2	1.8	6.1	5.5	5.8	12.5	11.0	11.7	19.1	17.8	18.5
13	2.5	1.3	1.9	6.5	5.8	6.1	13.0	11.2	12.1	19.3	18.1	18.7
14	2.4	2.0	2.2	6.5	5.7	6.1	13.9	12.0	12.9	19.0	18.2	18.6
15	2.4	1.6	2.1	6.9	5.9	6.4	15.3	13.2	14.2	19.2	18.2	18.7
16	1.6	0.1	0.7	7.6	6.6	7.1	15.5	14.6	15.1	19.5	18.5	19.0
17	0.6	0.0	0.3	8.2	7.5	7.8	16.0	15.4	15.7	19.2	18.7	18.9
18	1.4	0.6	1.0	8.9	8.1	8.4	16.4	15.6	16.0	19.4	18.7	19.0
19	1.6	1.3	1.4	10.2	8.9	9.4	17.0	15.9	16.4	19.4	19.2	19.3
20	1.9	1.0	1.4	11.1	10.2	10.6	17.8	16.7	17.2	19.3	18.7	19.1
21	2.3	1.7	2.0	11.6	11.1	11.3	17.6	16.9	17.3	18.7	18.2	18.4
22	2.3	1.7	2.1	12.0	11.2	11.6	16.9	16.0	16.5	18.8	17.9	18.4
23	2.6	1.6	2.0	12.4	11.6	12.0	16.7	15.5	16.1	18.8	18.0	18.4
24	3.2	2.3	2.8	12.7	11.8	12.3	16.2	15.7	15.9	18.8	17.9	18.4
25	2.3	1.7	1.9	12.6	12.4	12.5	15.9	14.3	15.1	18.4	17.9	18.1
26	1.9	1.3	1.6	12.8	12.1	12.5	15.0	14.1	14.5	18.3	17.6	17.9
27	1.3	1.0	1.2	12.8	12.2	12.5	14.9	14.0	14.5	18.9	17.7	18.3
28	1.3	0.9	1.1	13.0	12.6	12.8	14.7	14.1	14.5	18.9	18.3	18.6
29	---	---	---	12.8	12.1	12.4	15.4	14.5	14.9	19.2	18.1	18.6
30	---	---	---	12.1	11.3	11.6	16.9	15.3	16.1	19.5	18.2	18.9
31	---	---	---	11.4	10.9	11.2	---	---	---	19.2	18.5	18.8
MONTH	4.3	0.0	1.9	13.0	1.1	7.9	17.8	10.2	13.9	19.5	16.7	18.3
	JUNE			JULY			AUGUST			SEPTEMBER		
1	19.2	17.8	18.5	25.8	24.8	25.2	26.2	25.2	25.7	26.5	25.8	26.0
2	18.8	18.2	18.5	26.2	24.8	25.5	25.8	25.3	25.6	25.8	24.3	25.0
3	18.3	17.7	17.9	27.2	25.4	26.2	26.1	24.8	25.4	24.3	23.8	24.1
4	18.1	17.3	17.7	27.8	26.1	26.9	26.5	25.1	25.8	24.5	23.9	24.2
5	19.1	17.4	18.2	28.3	26.8	27.5	26.6	25.4	26.0	23.9	23.1	23.4
6	18.7	18.1	18.4	28.4	27.1	27.8	26.2	25.5	25.9	23.1	22.6	22.9
7	19.6	18.1	18.8	28.9	27.3	28.0	26.5	24.9	25.7	22.8	22.3	22.5
8	19.6	18.7	19.1	28.8	27.7	28.2	26.9	25.4	26.1	22.7	22.1	22.4
9	20.4	18.7	19.6	27.7	26.7	27.1	27.0	25.8	26.3	22.9	22.1	22.6
10	20.1	19.3	19.6	27.1	26.6	26.7	26.8	25.8	26.3	23.2	22.3	22.8
11	19.9	19.5	19.6	27.0	26.1	26.7	26.6	25.7	26.2	23.6	22.8	23.1
12	20.7	19.8	20.2	26.1	25.0	25.3	26.3	24.8	25.6	23.4	22.9	23.2
13	20.9	20.4	20.6	25.6	24.7	25.1	25.8	25.0	25.4	23.9	23.1	23.5
14	20.8	20.1	20.5	25.5	24.6	25.0	26.6	25.1	25.9	24.1	23.5	23.8
15	20.9	20.5	20.6	25.7	25.0	25.3	27.8	26.2	26.9	23.8	22.9	23.4
16	21.1	20.5	20.8	26.3	25.5	25.8	28.4	26.7	27.5	23.7	22.5	23.1
17	22.1	20.9	21.5	26.4	25.7	26.0	28.7	27.2	27.9	23.4	22.3	23.0
18	22.2	21.7	21.9	26.2	25.5	25.7	28.3	26.9	27.6	23.6	22.2	22.9
19	22.2	21.5	21.9	25.9	25.1	25.5	28.0	26.2	27.1	23.1	21.6	22.3
20	23.1	22.2	22.7	26.1	25.3	25.7	28.1	26.2	27.1	21.9	20.7	21.3
21	23.3	22.7	23.0	25.9	25.3	25.6	28.7	26.7	27.6	21.2	20.3	20.9
22	22.9	22.2	22.6	25.7	24.9	25.3	29.2	27.5	28.3	21.5	20.6	21.0
23	23.4	22.3	22.8	---	---	---	29.0	27.3	28.1	21.4	20.3	20.9
24	24.1	22.6	23.4	24.9	24.2	24.6	28.5	26.6	27.5	21.4	20.0	20.7
25	25.0	23.3	24.2	24.6	23.8	24.2	28.5	26.5	27.5	21.5	20.6	21.0
26	24.6	23.9	24.3	24.8	23.9	24.3	28.7	26.7	27.7	20.8	19.9	20.3
27	24.9	23.1	24.0	25.6	24.2	24.9	29.1	27.4	28.2	20.3	19.7	20.0
28	24.8	23.3	24.1	25.4	25.0	25.2	29.1	27.2	28.2	19.7	18.4	19.0
29	25.5	23.8	24.6	25.8	24.6	25.1	28.5	27.4	28.0	18.4	17.5	17.8
30	25.8	24.4	25.1	25.9	24.7	25.3	27.8	26.6	27.0	17.5	16.9	17.1
31	---	---	---	26.0	24.9	25.4	26.7	25.7	26.3	---	---	---
MONTH	25.8	17.3	21.2	---	---	---	29.2	24.8	26.8	26.5	16.9	22.1

03374000 WHITE RIVER AT PETERSBURG, IN

LOCATION.--Lat 38°30'39", long 87°17'22", in SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.15, T.1 N., R.8 W., Pike County, Hydrologic Unit 05120202, (MONROE CITY, IN quadrangle), on left bank 300 ft downstream from bridge on State Highway 61, 0.4 mi upstream from Prides Creek, 1.4 mi north of Petersburg, 2.0 mi west of Arda. and at mile 45.7.

DRAINAGE AREA.--11,125 mi².

PERIOD OF RECORD.--October 1927 to current year. Monthly discharge only for October 1927, published in WSP 1305. Published as "at Hazleton" October 1927 to September 1938. Records published for both sites October 1937 to September 1938. Gage-height records collected at present site and datum since January 1935 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1305: 1930(M). WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 400.00 ft above National Geodetic Vertical Datum of 1929. See WSP 1725 for history of changes prior to Apr. 1, 1941.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913, reached a stage of 29.5 ft, present site and datum, from floodmarks by U.S. Army Corps of Engineers, discharge, 235,000 ft³/s.

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

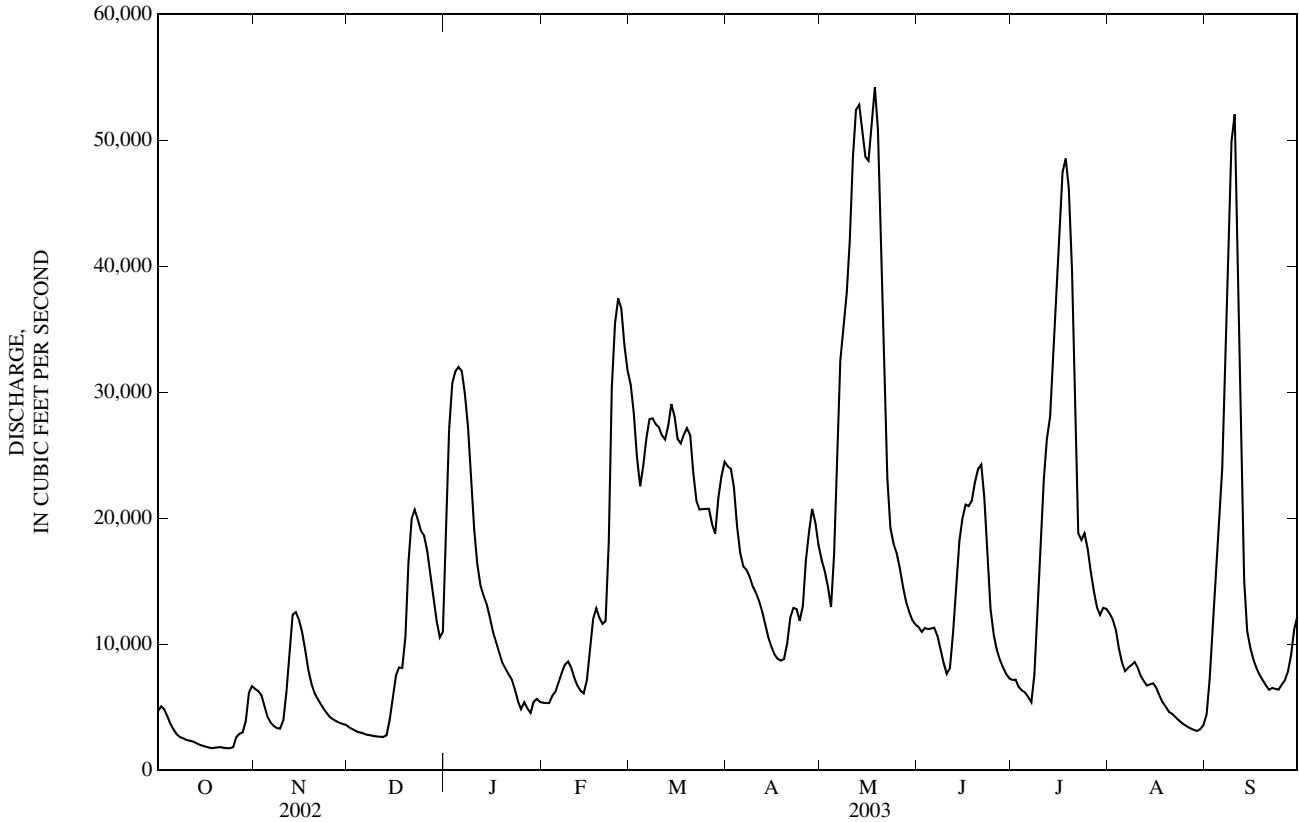
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,720	6,460	3,430	19,000	5,370	30,600	24,100	16,700	11,400	7,170	12,400	4,390
2	5,070	6,300	3,280	27,100	5,340	28,400	23,900	15,800	11,000	7,200	12,000	7,180
3	4,830	5,960	3,150	30,700	5,340	24,900	22,500	14,600	11,300	6,610	11,200	12,000
4	4,270	5,080	3,030	31,600	5,920	22,500	19,300	13,000	11,200	6,350	9,680	16,800
5	3,640	4,210	2,980	32,000	6,230	24,100	17,300	17,100	11,300	6,180	8,530	20,300
6	3,200	3,780	2,880	31,700	6,980	26,300	16,200	26,200	11,300	5,830	7,880	24,000
7	2,840	3,520	2,810	29,900	7,750	27,800	15,900	32,500	10,700	5,400	8,140	29,600
8	2,640	3,350	2,770	27,300	8,380	27,900	15,400	35,300	9,590	7,610	8,340	38,700
9	2,540	3,310	2,710	23,000	8,640	27,500	14,600	37,900	8,500	12,300	8,590	49,900
10	2,420	3,970	2,690	19,100	8,160	27,200	14,100	42,000	7,660	17,500	8,140	52,100
11	2,360	6,190	2,660	16,400	7,350	26,600	13,500	48,700	8,110	23,100	7,480	43,800
12	2,290	9,270	2,650	14,700	6,730	26,200	12,600	52,400	11,000	26,300	7,060	28,100
13	2,190	12,300	2,780	13,800	6,300	27,400	11,600	52,800	14,500	28,000	6,720	15,100
14	2,060	12,600	4,040	13,200	6,100	29,100	10,600	50,800	18,200	32,200	6,830	11,000
15	1,970	12,000	5,690	12,100	7,160	28,100	9,790	48,700	20,000	37,500	6,910	9,690
16	1,890	11,000	7,530	11,000	9,570	26,300	9,180	48,400	21,100	42,900	6,520	8,800
17	1,820	9,520	8,160	10,200	12,000	25,900	8,830	51,300	21,000	47,500	5,910	8,100
18	1,760	7,970	8,120	9,350	12,900	26,600	8,700	54,200	21,400	48,500	5,390	7,560
19	1,790	6,870	10,600	8,530	12,100	27,200	8,820	50,800	22,800	46,200	5,030	7,130
20	1,830	6,130	16,500	8,070	11,600	26,600	10,100	42,900	23,900	39,700	4,640	6,730
21	1,840	5,650	19,900	7,610	11,800	23,600	12,100	31,800	24,300	27,400	4,480	6,390
22	1,790	5,260	20,700	7,210	18,200	21,400	12,900	23,200	21,600	18,800	4,250	6,530
23	1,760	4,850	19,900	6,430	30,400	20,700	12,800	19,200	16,600	18,300	4,000	6,450
24	1,750	4,500	19,000	5,470	35,500	20,700	11,900	18,000	12,800	18,800	3,780	6,410
25	1,840	4,200	18,600	4,850	37,400	20,700	13,000	17,200	10,700	17,600	3,600	6,770
26	2,620	4,030	17,400	5,400	36,700	20,700	16,700	16,000	9,570	15,800	3,440	7,120
27	2,900	3,880	15,600	4,920	33,700	19,600	19,000	14,500	8,760	14,200	3,310	7,780
28	3,000	3,760	13,700	4,550	31,700	18,800	20,700	13,400	8,140	12,900	3,200	9,110
29	3,890	3,680	11,800	5,430	---	21,600	19,700	12,600	7,640	12,300	3,120	11,200
30	6,150	3,610	10,500	5,650	---	23,300	17,900	11,900	7,290	12,900	3,260	12,200
31	6,670	---	11,000	5,430	---	24,500	---	11,600	---	12,800	3,560	---
TOTAL	90,340	183,210	276,560	451,700	395,320	772,800	443,720	941,500	413,360	635,850	197,390	480,940
MEAN	2,914	6,107	8,921	14,570	14,120	24,930	14,790	30,370	13,780	20,510	6,367	16,030
MAX	6,670	12,600	20,700	32,000	37,400	30,600	24,100	54,200	24,300	48,500	12,400	52,100
MIN	1,750	3,310	2,650	4,550	5,340	18,800	8,700	11,600	7,290	5,400	3,120	4,390
CFSM	0.26	0.55	0.80	1.31	1.27	2.24	1.33	2.73	1.24	1.84	0.57	1.44
IN.	0.30	0.61	0.92	1.51	1.32	2.58	1.48	3.15	1.38	2.13	0.66	1.61

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

MEAN	3,504	6,658	11,250	17,000	18,240	22,440	22,020	18,310	11,520	7,651	4,792	3,581
MAX	18,630	46,800	43,000	86,440	67,080	55,340	42,900	70,110	38,550	25,620	39,590	19,640
(WY)	(2002)	(1994)	(2002)	(1950)	(1950)	(1945)	(1944)	(1996)	(1998)	(1958)	(1979)	(1989)
MIN	653	884	861	981	1,388	1,597	3,767	1,597	1,950	1,118	870	878
(WY)	(1941)	(1954)	(1964)	(1977)	(1931)	(1941)	(1941)	(1941)	(1988)	(1954)	(1936)	(1936)

03374000 WHITE RIVER AT PETERSBURG, IN—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1928 - 2003	
ANNUAL TOTAL	6,267,260		5,282,690		12,220	
ANNUAL MEAN	17,170		14,470		2,138	
HIGHEST ANNUAL MEAN					22,760	1950
LOWEST ANNUAL MEAN					2,138	1941
HIGHEST DAILY MEAN	117,000	May 14	54,200	May 18	182,000	Jan 22, 1937
LOWEST DAILY MEAN	1,410	Sep 14	1,750	Oct 24	573	Oct 1, 1941
ANNUAL SEVEN-DAY MINIMUM	1,500	Sep 11	1,790	Oct 18	598	Sep 26, 1941
MAXIMUM PEAK FLOW			54,500	May 18	183,000	Jan 22, 1937
MAXIMUM PEAK STAGE			21.70	May 18	28.30	Jan 22, 1937
ANNUAL RUNOFF (CFSM)	1.54		1.30		1.10	
ANNUAL RUNOFF (INCHES)	20.96		17.66		14.93	
10 PERCENT EXCEEDS	40,800		30,500		30,000	
50 PERCENT EXCEEDS	10,800		11,000		6,600	
90 PERCENT EXCEEDS	2,270		3,240		1,530	



03374100 WHITE RIVER AT HAZLETON, IN—Continued

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

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

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

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAILY MEDIAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	7.8	8.0	7.8	8.1	---	7.5	8.3
2	---	---	---	---	---	---	8.0	8.1	8.2	---	7.6	8.3
3	---	---	---	---	---	---	8.0	8.1	8.1	---	8.1	7.8
4	---	---	---	---	---	---	8.0	8.2	8.1	---	8.1	7.7
5	---	---	---	---	---	---	8.0	8.0	8.1	---	8.2	7.7
6	---	---	---	---	---	---	8.1	7.7	8.2	---	8.2	7.6
7	---	---	---	---	---	---	8.1	7.7	8.2	---	8.1	7.6
8	---	---	---	---	---	---	8.1	7.6	8.3	---	8.1	7.6
9	---	---	---	---	---	---	8.1	7.6	8.3	---	8.2	7.6
10	---	---	---	---	---	---	8.1	7.6	8.4	---	8.4	7.6
11	---	---	---	---	---	---	8.2	7.6	8.3	7.5	8.3	7.7
12	---	---	---	---	---	---	8.3	7.7	8.0	7.5	8.3	7.8
13	---	---	---	---	---	---	8.3	7.6	7.8	7.5	8.4	7.7
14	---	---	---	---	---	7.9	8.4	7.6	7.8	7.6	8.4	7.8
15	---	---	---	---	---	7.9	8.5	7.6	7.7	7.6	8.6	8.0
16	---	---	---	---	---	7.9	8.5	7.6	7.7	7.7	8.6	8.1
17	---	---	---	---	---	7.9	8.5	7.6	7.7	7.7	8.4	8.2
18	---	---	---	---	---	7.9	8.6	7.6	7.7	7.8	8.2	8.4
19	---	---	---	---	---	7.9	8.5	7.7	7.7	7.8	8.2	8.4
20	---	---	7.8	---	---	7.9	8.5	7.7	7.7	8.0	8.1	8.5
21	---	---	7.8	---	8.0	7.9	8.4	7.6	7.8	7.9	8.1	8.5
22	---	---	7.8	---	7.9	7.9	8.4	7.6	7.8	7.9	8.1	8.5
23	---	---	7.8	---	7.8	8.0	8.3	7.7	7.9	7.8	8.2	8.4
24	---	---	7.9	---	7.8	8.0	8.3	7.8	8.1	7.6	8.2	8.3
25	---	---	7.9	---	7.8	8.0	8.1	7.8	8.1	7.5	8.2	8.3
26	---	---	7.9	---	7.8	8.0	7.8	7.8	---	7.5	8.1	8.2
27	---	---	8.0	---	7.8	8.0	7.9	7.8	---	7.4	8.1	8.3
28	---	---	8.0	---	7.8	8.0	7.8	7.9	---	7.5	8.1	8.2
29	---	---	---	---	---	8.0	7.8	7.9	---	7.5	8.1	8.1
30	---	---	---	---	---	8.0	7.8	8.0	---	7.5	8.1	7.6
31	---	---	---	---	---	7.9	---	8.1	---	7.5	8.2	---
MED	---	---	---	---	---	---	8.1	7.7	---	---	8.2	8.1

03374100 WHITE RIVER AT HAZLETON, IN—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	12.0	---	---	13.1	12.0	---	---	---	---	---
2	---	---	12.1	---	---	e12.9	12.2	10.7	---	---	---	---
3	---	---	12.2	---	---	---	e12.3	10.7	---	---	---	---
4	---	---	12.4	---	---	---	---	11.0	---	---	---	---
5	---	---	12.6	---	---	---	---	10.6	---	---	---	7.2
6	---	---	12.8	---	---	---	---	8.9	11.8	---	---	7.5
7	---	---	13.0	---	---	---	---	9.2	12.1	---	---	7.6
8	---	---	13.1	---	---	---	---	9.2	12.6	---	---	7.6
9	---	---	13.1	---	---	---	---	9.0	13.0	---	---	7.8
10	---	---	12.9	---	---	---	---	8.7	13.3	---	---	8.4
11	---	---	12.9	---	---	---	---	8.7	12.6	---	---	9.2
12	---	---	12.9	---	---	---	---	9.3	10.1	---	---	9.0
13	---	---	12.7	---	---	---	---	9.2	8.4	---	---	8.2
14	---	---	12.7	---	---	11.9	---	9.1	8.9	---	---	e8.7
15	---	---	13.0	---	---	11.8	---	9.4	7.9	---	---	---
16	---	---	13.4	---	---	11.8	---	9.7	8.0	---	---	---
17	---	---	13.5	---	---	11.6	---	9.7	8.1	---	---	---
18	---	---	13.3	---	---	11.5	12.5	9.8	8.1	---	---	---
19	---	---	12.2	---	---	11.2	12.9	10.1	8.0	---	---	---
20	---	---	10.5	---	---	10.8	12.4	10.3	8.0	---	---	---
21	---	---	10.3	---	12.9	10.5	11.4	10.4	8.1	---	14.5	---
22	---	---	10.5	---	12.7	10.5	11.0	9.8	8.7	---	13.9	---
23	---	---	10.6	---	12.6	10.6	10.8	9.2	9.4	---	13.5	---
24	---	---	10.8	---	12.6	10.6	11.0	9.7	10.3	---	14.6	---
25	---	---	11.3	---	12.6	10.7	10.6	9.9	11.6	---	15.2	---
26	---	---	11.7	---	12.8	10.9	9.7	10.1	e11.4	---	14.3	---
27	---	11.4	12.2	---	13.0	11.1	10.3	10.3	---	---	13.8	---
28	---	11.6	12.5	---	13.1	11.1	e10.7	10.4	---	---	12.9	---
29	---	11.7	---	---	---	11.1	---	---	---	---	11.4	---
30	---	11.7	---	---	---	11.1	---	---	---	---	8.9	---
31	---	---	---	---	---	11.6	---	---	---	---	---	---

e Estimated

03374100 WHITE RIVER AT HAZLETON, IN—Continued

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

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	5.8	---	---	2.0	11.3	18.1	19.1	---	26.8	27.8
2	---	---	5.6	---	---	e2.2	11.9	18.6	19.2	---	26.8	26.9
3	---	---	5.8	---	---	---	12.8	18.8	18.7	---	26.5	25.1
4	---	---	5.0	---	---	---	13.9	18.8	18.4	---	26.9	23.9
5	---	---	4.3	---	---	---	14.0	18.3	18.8	---	27.2	23.4
6	---	---	4.0	---	---	---	13.1	18.5	19.3	---	27.1	22.9
7	---	---	4.1	---	---	---	12.5	18.4	19.7	---	26.9	22.8
8	---	---	4.6	---	---	---	12.2	17.9	20.3	---	27.3	22.9
9	---	---	4.7	---	---	---	11.3	18.6	20.5	---	27.4	23.1
10	---	---	5.1	---	---	---	10.8	19.3	21.1	e27.4	27.5	23.5
11	---	---	5.1	---	---	---	11.4	19.6	21.0	26.5	27.5	23.9
12	---	---	5.7	---	---	---	12.4	18.9	21.3	26.1	27.3	24.1
13	---	---	6.2	---	---	e6.3	13.1	19.0	21.9	25.5	27.0	24.3
14	---	---	5.9	---	---	6.3	14.1	19.5	22.0	25.7	27.2	24.6
15	---	---	5.4	---	---	6.7	15.4	19.4	21.9	25.7	28.1	24.3
16	---	---	4.7	---	---	7.6	16.4	19.7	22.1	26.3	28.9	24.0
17	---	---	5.1	---	---	8.2	16.9	19.8	22.6	26.8	29.5	24.0
18	---	---	6.4	---	---	8.7	17.0	19.8	23.1	26.7	29.4	24.0
19	---	---	7.6	---	---	9.5	17.5	20.2	23.0	26.4	28.9	23.6
20	---	---	7.7	---	e2.7	10.9	18.2	20.2	23.0	26.6	28.8	22.6
21	---	---	7.4	---	2.9	11.9	18.0	19.3	23.6	26.7	29.3	22.2
22	---	---	7.4	---	2.9	12.3	17.4	19.0	23.7	26.2	30.0	22.1
23	---	---	7.1	---	2.0	12.5	17.0	19.2	23.8	26.0	29.8	22.0
24	---	---	6.4	---	2.1	12.8	16.6	19.3	24.5	25.2	29.2	21.8
25	---	---	5.2	---	2.0	13.0	15.9	19.0	25.3	25.1	29.0	22.1
26	---	e8.2	4.5	---	1.7	12.9	15.2	18.6	e25.7	25.2	29.4	21.5
27	---	7.7	4.0	---	1.7	12.9	15.4	19.1	---	25.7	29.9	21.2
28	---	7.5	3.8	---	1.8	13.2	15.4	19.6	---	26.3	30.0	19.9
29	---	7.2	---	---	---	12.6	15.9	19.7	---	26.1	29.8	18.7
30	---	7.1	---	---	---	11.8	16.9	19.9	---	26.2	29.0	17.7
31	---	---	---	---	---	11.2	---	19.7	---	26.5	28.1	---

e Estimated

03374100 WHITE RIVER AT HAZLETON, IN—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	669	---	---	352	---	386	520	---	515	628
2	---	---	674	---	---	e353	---	397	522	---	---	637
3	---	---	680	---	---	---	---	400	521	---	---	560
4	---	---	687	---	---	---	460	409	508	---	---	389
5	---	---	679	---	---	---	466	395	510	---	---	324
6	---	---	695	---	---	---	463	349	500	---	---	305
7	---	---	708	---	---	---	471	334	500	---	510	298
8	---	---	719	---	---	---	479	305	517	---	545	299
9	---	---	731	---	---	---	469	314	539	---	574	305
10	---	---	740	---	---	---	472	318	569	e335	563	316
11	---	---	748	---	---	---	486	305	588	341	553	347
12	---	---	756	---	---	---	502	293	571	322	539	388
13	---	---	757	---	---	e447	506	---	534	266	538	432
14	---	---	722	---	---	---	520	---	504	276	538	484
15	---	---	706	---	---	---	535	---	458	258	547	512
16	---	---	641	---	---	---	553	---	409	274	555	526
17	---	---	570	---	---	---	569	---	366	291	546	538
18	---	---	549	---	---	---	576	---	367	313	544	548
19	---	---	495	---	---	---	569	---	367	339	543	562
20	---	---	438	---	e489	---	558	---	359	362	553	572
21	---	---	390	---	507	---	541	---	352	399	558	579
22	---	---	387	---	455	---	529	---	372	425	570	578
23	---	---	406	---	342	---	476	474	402	463	573	588
24	---	---	411	---	339	---	437	492	433	406	572	590
25	---	---	418	---	317	---	433	500	457	412	557	593
26	---	e575	450	---	299	---	403	490	e474	419	552	585
27	---	589	447	---	309	---	406	484	---	453	554	618
28	---	609	438	---	329	---	382	493	---	478	569	564
29	---	632	---	---	---	---	385	503	---	491	581	543
30	---	650	---	---	---	---	376	510	---	502	605	467
31	---	---	---	---	---	---	---	515	---	517	623	---

e Estimated

03374100 WHITE RIVER AT HAZLETON, IN—Continued

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)	Specif. conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Alkalinity, wat flt fxd end field, mg/L as CaCO3 (39036)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., mg/L (00453)	Carbonate, wat flt incrm. titr., mg/L (00452)	Chloride, water, fltrd, mg/L (00940)
OCT 15...	1500	1,950	751	M	8.0	650	28.0	17.5	170	163	E162	E8	52.4
NOV 12...	1340	9,680	762	8.0	7.8	528	8.0	13.0	130	133	160	0.0	31.2
NOV 26...	1430	4,020	764	11.1	7.9	590	3.0	8.5	--	--	--	--	--
DEC 19...	1410	11,200	744	13.8	8.1	482	9.0	8.0	130	127	153	0.0	27.9
JAN 23...	1340	6,200	777	13.6	8.2	608	<-5.0	0.5	190	187	225	1	33.7
FEB 20...	1400	11,600	765	14.1	8.0	509	6.0	2.5	140	142	E173	E0.0	36.0
MAR 13...	1430	27,400	758	12.6	8.1	464	8.0	6.5	130	132	161	0.0	36.4
APR 03...	1520	22,000	745	11.0	8.0	472	25.0	13.0	150	153	184	0.0	30.0
APR 17...	1430	8,810	742	12.5	8.6	580	23.0	17.0	--	--	--	--	--
MAY 01...	1350	16,600	741	9.0	7.8	390	19.0	18.5	120	119	144	0.0	20.0
MAY 22...	1310	22,700	753	7.1	7.8	470	24.5	19.0	--	--	--	--	--
JUN 05...	1350	11,300	751	9.3	8.2	516	24.0	19.0	170	168	205	<1	28.8
JUN 26...	1430	9,460	744	9.2	8.1	486	24.0	26.0	--	--	--	--	--
JUL 10...	1330	18,200	741	5.3	7.7	420	28.0	27.5	130	125	E152	<1	26.6
JUL 14...	1400	32,600	746	5.6	7.6	348	34.0	26.0	--	--	--	--	15.9
JUL 23...	1400	18,600	747	6.0	7.7	478	29.0	26.0	--	--	--	--	--
AUG 06...	1330	7,780	746	7.3	8.0	498	28.0	27.0	170	162	197	<1	27.5
AUG 20...	1330	4,600	746	14.2	8.4	568	24.0	29.0	--	--	--	--	--
SEP 04...	1330	17,100	748	5.2	7.5	385	25.0	24.0	110	110	E134	<1	23.9

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

Date	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, unfltrd mg/L (00665)	Total carbon, suspnd sediment total, mg/L (00694)	Inorganic carbon, suspnd sediment total, mg/L (00688)	Organic carbon, suspnd sediment total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	2,6-Diethyl-aniline water, fltrd, 0.7u GF (82660)
OCT 15...	89.3	1.5	<0.04	0.66	0.013	<0.02	1.16	0.193	8.4	<0.1	8.4	5.0	<0.006
NOV 12...	72.0	1.4	E0.03	1.96	0.034	0.12	0.61	0.47	4.7	0.2	4.5	5.9	<0.006
NOV 26...	--	0.43	E0.02	2.03	E0.007	0.09	0.08	0.164	0.7	<0.1	0.7	--	<0.006
DEC 19...	48.7	0.76	<0.04	2.13	0.009	0.08	0.39	0.27	3.1	<0.1	3.1	5.0	<0.006
JAN 23...	58.1	0.37	0.05	2.78	0.008	0.08	0.12	0.125	0.3	<0.1	0.3	2.8	<0.006
FEB 20...	48.8	0.57	0.10	2.06	0.109	0.03	0.23	0.171	1.5	<0.1	1.5	3.4	<0.006
MAR 13...	33.8	0.78	<0.04	2.99	0.031	0.03	0.37	0.22	3.7	<0.1	3.7	4.1	<0.006
APR 03...	36.6	0.62	<0.04	2.77	0.020	0.04	0.32	0.164	2.6	<0.1	2.6	3.7	<0.006
APR 17...	--	1.0	<0.04	1.96	0.039	<0.02	--	0.147	--	--	--	--	<0.006
MAY 01...	35.1	0.86	<0.04	1.35	0.031	E0.01	0.69	0.21	4.3	0.1	4.2	6.1	<0.006
MAY 22...	--	0.87	<0.04	2.31	0.228	<0.02	--	0.22	--	--	--	--	<0.006
JUN 05...	46.3	0.86	<0.04	1.87	0.058	<0.02	0.28	0.176	2.1	<0.1	2.0	3.0	<0.006
JUN 26...	--	1.1	<0.04	2.02	0.070	<0.02	--	0.19	--	--	--	--	<0.006
JUL 10...	30.8	1.5	<0.04	2.20	0.084	<0.02	1.23	0.50	14.0	<0.1	13.9	5.1	<0.006
JUL 14...	19.2	1.0	E0.03	2.43	0.066	<0.25	0.35	0.29	3.9	0.2	3.8	--	<0.006
JUL 23...	--	1.0	<0.04	1.55	0.054	0.02	--	0.28	--	--	--	--	<0.006
AUG 06...	42.3	1.0	0.07	0.96	0.025	0.02	0.55	0.22	4.0	<0.1	4.0	4.0	<0.006
AUG 20...	--	1.4	<0.04	0.20	0.015	<0.02	--	0.164	--	--	--	--	<0.006
SEP 04...	33.2	1.7	<0.04	0.97	0.036	0.05	0.80	0.65	9.7	0.6	9.1	4.9	<0.006

03374100 WHITE RIVER AT HAZLETON, IN—Continued

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

Date	CIAT, water, fltrd, ug/L (04040)	Aceto- chlor, water, fltrd, ug/L (49260)	Ala- chlor, water, fltrd, ug/L (46342)	alpha- HCH, water, fltrd, ug/L (34253)	Amino- methyl- phos- phonic acid, wat flt ug/L (62649)	Atra- zine, water, fltrd, ug/L (39632)	Azin- phos- methyl, water, fltrd 0.7u GF ug/L (82686)	Ben- flur- alin, water, fltrd 0.7u GF ug/L (82673)	Butyl- ate, water, fltrd, ug/L (04028)	Car- baryl, water, fltrd 0.7u GF ug/L (82680)	Carbo- furan, water, fltrd 0.7u GF ug/L (82674)	Chlor- pyrifos water, fltrd, ug/L (38933)	cis- Per- methrin water fltrd 0.7u GF ug/L (82687)
OCT 15...	E0.041	0.008	<0.004	<0.005	0.6	0.217	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
NOV 12...	E0.048	0.028	0.007	<0.005	0.1	0.152	<0.050	<0.010	<0.002	E0.013	<0.020	<0.005	<0.006
26...	E0.067	0.007	<0.004	<0.005	0.1	0.252	<0.050	<0.010	<0.002	E0.009	<0.020	<0.005	<0.006
DEC 19...	E0.025	0.014	<0.004	<0.005	0.1	0.094	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
JAN 23...	E0.044	E0.006	<0.004	<0.005	0.1	0.139	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
FEB 20...	E0.027	<0.006	<0.004	<0.005	<0.1	0.078	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
MAR 13...	E0.050	0.009	<0.004	<0.005	0.1	0.106	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
APR 03...	E0.043	0.009	<0.004	<0.005	<0.1	0.085	<0.050	<0.010	<0.002	E0.007	<0.020	<0.005	<0.006
17...	E0.037	0.013	<0.004	<0.005	0.1	0.117	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
MAY 01...	E0.103	0.193	0.010	<0.005	0.2	2.85	<0.050	<0.010	<0.002	E0.005	<0.020	<0.005	<0.006
22...	E0.305	0.415	0.038	<0.005	<0.1	4.71	<0.050	<0.010	<0.002	E0.006	<0.020	E0.004	<0.006
JUN 05...	E0.266	0.198	0.040	<0.005	0.1	3.21	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
26...	E0.334	0.142	0.023	<0.005	0.2	2.66	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
JUL 10...	E0.236	0.323	0.018	<0.005	0.3	2.48	<0.050	<0.010	<0.002	E0.007	<0.020	<0.005	<0.006
14...	E0.305	0.255	0.026	--	--	2.22	<0.050	<0.010	--	E0.007	--	E0.002	<0.006
23...	E0.203	0.089	0.015	<0.005	0.5	1.15	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
AUG 06...	E0.092	0.039	0.008	<0.005	0.3	0.586	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
20...	E0.059	0.015	<0.004	<0.005	0.3	0.355	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
SEP 04...	E0.034	0.022	0.006	<0.005	0.2	0.238	<0.050	<0.010	<0.002	E0.004	<0.020	<0.005	<0.006

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

Date	Cyana- zine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulf- inyl fipro- nil, water, fltrd, ug/L (62170)	Diazi- non, water, fltrd, ug/L (39572)	Diel- drin, water, fltrd, ug/L (39381)	Disul- foton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal- flur- alin, water, fltrd 0.7u GF ug/L (82663)	Etho- prop, water, fltrd 0.7u GF ug/L (82672)	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)
OCT 15...	<0.018	<0.003	<0.004	E0.004	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007
NOV 12...	<0.018	<0.003	<0.004	0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	E0.004	0.005	E0.008
26...	<0.018	<0.003	<0.004	E0.006	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007
DEC 19...	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	0.003	<0.009	<0.005	<0.009	<0.005	<0.005	E0.004
JAN 23...	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007
FEB 20...	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007
MAR 13...	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007
APR 03...	<0.018	<0.003	<0.004	E0.003	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007
17...	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007
MAY 01...	<0.018	<0.003	<0.004	0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007
22...	E0.008	<0.003	<0.004	E0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	E0.005
JUN 05...	<0.018	<0.003	<0.004	E0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	E0.005
26...	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007
JUL 10...	<0.018	<0.003	<0.004	0.019	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	E0.013
14...	--	E0.001	<0.004	E0.009	<0.005	--	--	--	--	<0.009	<0.005	<0.006	E0.009
23...	<0.018	<0.003	<0.004	E0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	E0.004
AUG 06...	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007
20...	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007
SEP 04...	<0.018	<0.003	<0.004	E0.004	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007

03374100 WHITE RIVER AT HAZLETON, IN—Continued

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

Date	Fonofos water, fltrd, ug/L (04095)	Glufos- sinate, water, fltrd 0.7u GF ug/L (62721)	Glypho- sate, water, fltrd 0.7u GF ug/L (62722)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Mala- thion, water, fltrd, ug/L (39532)	Methyl para- thion, water, fltrd 0.7u GF ug/L (82667)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Moli- nate, water, fltrd 0.7u GF ug/L (82671)	Naprop- amide, water, fltrd 0.7u GF ug/L (82684)	p,p'- DDE, water, fltrd, ug/L (34653)	Para- thion, water, fltrd, ug/L (39542)
OCT 15...	<0.003	<0.1	<0.1	<0.004	<0.035	<0.027	<0.006	0.055	<0.006	<0.002	<0.007	<0.003	<0.010
NOV 12...	<0.003	<0.1	<0.1	<0.004	<0.035	<0.027	<0.006	0.070	0.040	<0.002	<0.007	<0.003	<0.010
26...	<0.003	<0.1	<0.1	<0.004	<0.035	<0.027	<0.006	0.052	<0.006	<0.002	<0.007	<0.003	<0.010
DEC 19...	<0.003	<0.1	<0.1	<0.004	<0.035	<0.027	<0.006	0.045	0.054	<0.002	E0.011	<0.003	<0.010
JAN 23...	<0.003	<0.1	<0.1	<0.004	<0.035	<0.027	<0.006	0.035	<0.006	<0.002	<0.007	<0.003	<0.010
FEB 20...	<0.003	<0.1	<0.1	<0.004	<0.035	<0.027	<0.006	0.020	<0.006	<0.002	<0.007	<0.003	<0.010
MAR 13...	<0.003	<0.1	<0.1	<0.004	<0.035	<0.027	<0.006	0.040	0.007	<0.002	<0.007	<0.003	<0.010
APR 03...	<0.003	<0.1	<0.1	<0.004	<0.035	<0.027	<0.006	0.043	<0.006	<0.002	<0.007	<0.003	<0.010
17...	<0.003	<0.1	<0.1	<0.004	<0.035	<0.027	<0.006	0.040	<0.006	<0.002	<0.007	<0.003	<0.010
MAY 01...	<0.003	<0.1	<0.1	<0.004	<0.035	<0.027	<0.006	0.503	0.013	<0.002	<0.007	<0.003	<0.010
22...	<0.003	<0.1	<0.1	<0.004	<0.035	<0.027	<0.006	1.04	0.016	<0.002	<0.007	<0.003	<0.010
JUN 05...	<0.003	<0.1	<0.1	<0.004	<0.035	<0.027	<0.006	0.594	0.010	<0.002	<0.007	<0.003	<0.010
26...	<0.003	<0.1	<0.1	<0.004	<0.035	<0.027	<0.006	0.511	0.007	<0.002	<0.007	<0.003	<0.010
JUL 10...	<0.003	<0.1	<0.1	<0.004	<0.035	E0.003	<0.006	0.679	0.011	<0.002	<0.007	<0.003	<0.010
14...	<0.003	--	--	--	--	<0.027	<0.006	0.716	0.019	--	--	--	--
23...	<0.003	<0.1	0.1	<0.004	<0.035	<0.027	<0.006	0.424	0.008	<0.002	<0.007	<0.003	<0.010
AUG 06...	<0.003	<0.1	<0.1	<0.004	<0.035	<0.027	<0.006	0.211	<0.006	<0.002	<0.007	<0.003	<0.010
20...	<0.003	<0.1	<0.1	<0.004	<0.035	<0.027	<0.006	0.108	<0.006	<0.002	<0.007	<0.003	<0.010
SEP 04...	<0.003	<0.1	<0.1	<0.004	<0.035	<0.027	<0.006	0.079	<0.006	<0.002	<0.007	<0.003	<0.010

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

Date	Peb- ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi- meth- alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prome- ton, water, fltrd, ug/L (04037)	Pron- amide, water, fltrd 0.7u GF ug/L (82676)	Propa- chlor, water, fltrd, ug/L (04024)	Pro- panil, water, fltrd 0.7u GF ug/L (82679)	Propar- gite, water, fltrd 0.7u GF ug/L (82685)	Sima- zine, water, fltrd, ug/L (04035)	Tebu- thiuron water, fltrd 0.7u GF ug/L (82670)	Terba- cil, water, fltrd 0.7u GF ug/L (82665)	Terbu- fos, water, fltrd 0.7u GF ug/L (82675)	Thio- bencarb water fltrd 0.7u GF ug/L (82681)
OCT 15...	<0.004	<0.022	<0.011	0.04	<0.004	<0.010	<0.011	<0.02	0.038	<0.02	<0.034	<0.02	<0.005
NOV 12...	<0.004	<0.022	<0.011	0.02	<0.004	<0.010	<0.011	<0.02	0.514	<0.02	<0.034	<0.02	<0.005
26...	<0.004	<0.022	<0.011	0.02	<0.004	<0.010	<0.011	<0.02	0.225	<0.02	<0.034	<0.02	<0.005
DEC 19...	<0.004	<0.022	<0.011	E0.01	<0.004	<0.010	<0.011	<0.02	1.06	<0.02	E0.016	<0.02	<0.005
JAN 23...	<0.004	<0.022	<0.011	E0.01	<0.004	<0.010	<0.011	<0.02	0.167	<0.02	<0.034	<0.02	<0.005
FEB 20...	<0.004	<0.022	<0.011	E0.01	<0.004	<0.010	<0.011	<0.02	0.179	<0.02	<0.034	<0.02	<0.005
MAR 13...	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	0.454	<0.02	<0.034	<0.02	<0.005
APR 03...	<0.004	<0.022	<0.011	E0.01	<0.004	<0.010	<0.011	<0.02	0.135	<0.02	<0.034	<0.02	<0.005
17...	<0.004	<0.022	<0.011	E0.01	<0.004	<0.010	<0.011	<0.02	0.097	<0.02	<0.034	<0.02	<0.005
MAY 01...	<0.004	<0.022	<0.011	0.03	<0.004	<0.010	<0.011	<0.02	0.388	<0.02	<0.034	<0.02	<0.005
22...	<0.004	<0.022	<0.011	0.02	<0.004	<0.010	<0.011	<0.02	0.367	E0.01	<0.034	<0.02	<0.005
JUN 05...	<0.004	<0.022	<0.011	0.04	<0.004	<0.010	<0.011	<0.02	0.211	E0.01	<0.034	<0.02	<0.005
26...	<0.004	<0.022	<0.011	0.02	<0.004	<0.010	<0.011	<0.02	0.293	<0.02	<0.034	<0.02	<0.005
JUL 10...	<0.004	<0.022	<0.011	0.06	<0.004	<0.010	<0.011	<0.02	0.117	<0.02	<0.034	<0.02	<0.005
14...	--	<0.022	<0.011	0.04	<0.004	--	--	--	0.172	<0.02	--	<0.02	--
23...	<0.004	<0.022	<0.011	0.04	<0.004	<0.010	<0.011	<0.02	0.105	<0.02	<0.034	<0.02	<0.005
AUG 06...	<0.004	<0.022	<0.011	0.03	<0.004	<0.010	<0.011	<0.02	0.058	<0.02	<0.034	<0.02	<0.005
20...	<0.004	<0.022	<0.011	0.03	<0.004	<0.010	<0.011	<0.02	0.044	<0.02	<0.034	<0.02	<0.005
SEP 04...	<0.004	<0.022	<0.011	0.04	<0.004	<0.010	<0.011	<0.02	0.038	<0.02	<0.034	<0.02	<0.005

03374100 WHITE RIVER AT HAZLETON, IN—Continued

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

Date	Tri- allate, water, fltrd 0.7u GF ug/L (82678)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)	Sus- pended sedi- ment concen- tration mg/L (80154)
OCT				
15...	<0.002	<0.009	93	74
NOV				
12...	<0.002	<0.009	97	223
26...	<0.002	<0.009	88	37
DEC				
19...	<0.002	<0.009	90	189
JAN				
23...	<0.002	<0.009	76	18
FEB				
20...	<0.002	<0.009	93	67
MAR				
13...	<0.002	<0.009	90	163
APR				
03...	<0.002	<0.009	87	126
17...	<0.002	<0.009	95	66
MAY				
01...	<0.002	<0.009	92	130
22...	<0.002	<0.009	94	128
JUN				
05...	<0.002	<0.009	94	80
26...	<0.002	<0.009	43	202
JUL				
10...	<0.002	<0.009	97	505
14...	--	<0.009	87	207
23...	<0.002	<0.009	96	215
AUG				
06...	<0.002	<0.009	98	132
20...	<0.002	<0.009	95	77
SEP				
04...	<0.002	<0.009	--	601