

03374100 WHITE RIVER AT HAZLETON, IN--Continued

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

WATER-QUALITY RECORDS

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

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

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

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

PH, WH, FIELD, in (STANDARD UNITS), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

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

WABASH RIVER BASIN

03374100 WHITE RIVER AT HAZLETON, IN--Continued

OXYGEN DISSOLVED, in (MG/L), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	11.9	---
2	---	---	---	---	---	---	---	---	---	---	9.4	---
3	---	---	---	---	---	---	---	---	---	---	7.4	---
4	---	---	---	---	---	---	---	---	---	---	7.0	---
5	---	---	---	---	---	---	---	---	---	---	7.1	---
6	---	---	---	---	---	---	---	---	---	---	7.3	---
7	---	---	---	---	---	---	---	---	---	---	8.1	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	8.4	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	11.3	---	---
20	---	---	---	---	---	---	---	---	---	12.0	---	---
21	---	---	---	---	---	---	---	---	---	12.2	---	---
22	---	---	---	---	---	---	---	---	---	12.0	---	---
23	---	---	---	---	---	---	---	---	---	9.9	---	---
24	---	---	---	---	---	---	---	---	---	9.7	---	---
25	---	---	---	---	---	---	---	---	---	9.7	---	---
26	---	---	---	---	---	---	---	---	---	8.1	---	---
27	---	---	---	---	---	---	---	---	---	7.9	---	---
28	---	---	---	---	---	---	---	---	---	8.6	---	---
29	---	---	---	---	---	---	---	---	---	9.6	---	---
30	---	---	---	---	---	---	---	---	---	10.7	---	---
31	---	---	---	---	---	---	---	---	---	12.1	---	---

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	31.7	---
2	---	---	---	---	---	---	---	---	---	---	31.8	---
3	---	---	---	---	---	---	---	---	---	---	31.9	---
4	---	---	---	---	---	---	---	---	---	---	32.4	---
5	---	---	---	---	---	---	---	---	---	---	32.5	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	23.7	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	28.0	---	---
13	---	---	---	---	---	---	---	---	---	27.4	25.1	---
14	---	---	---	---	---	---	---	---	---	27.1	24.8	---
15	---	---	---	---	---	---	---	---	---	27.7	---	---
16	---	---	---	---	---	---	---	---	---	28.4	---	---
17	---	---	---	---	---	---	---	---	---	28.9	---	---
18	---	---	---	---	---	---	---	---	---	28.8	---	---
19	---	---	---	---	---	---	---	---	---	28.9	---	---
20	---	---	---	---	---	---	---	---	---	29.6	---	---
21	---	---	---	---	---	---	---	---	---	30.8	---	---
22	---	---	---	---	---	---	---	---	---	31.5	---	---
23	---	---	---	---	---	---	---	---	---	30.9	---	---
24	---	---	---	---	---	---	---	---	---	30.6	---	---
25	---	---	---	---	---	---	---	---	---	30.2	---	---
26	---	---	---	---	---	---	---	---	---	29.8	---	---
27	---	---	---	---	---	---	---	---	---	30.0	---	---
28	---	---	---	---	---	---	---	---	---	30.4	---	---
29	---	---	---	---	---	---	---	---	---	30.8	---	---
30	---	---	---	---	---	---	---	---	---	30.9	---	---
31	---	---	---	---	---	---	---	---	---	31.3	---	---

03374100 WHITE RIVER AT HAZLETON, IN--Continued

SPECIFIC CONDUCTANCE, in US/CM @ 25C, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	467	---
2	---	---	---	---	---	---	---	---	---	---	613	---
3	---	---	---	---	---	---	---	---	---	---	671	---
4	---	---	---	---	---	---	---	---	---	---	707	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	489	---	---
13	---	---	---	---	---	---	---	---	---	505	---	---
14	---	---	---	---	---	---	---	---	---	506	---	---
15	---	---	---	---	---	---	---	---	---	524	---	---
16	---	---	---	---	---	---	---	---	---	570	---	---
17	---	---	---	---	---	---	---	---	---	594	---	---
18	---	---	---	---	---	---	---	---	---	579	---	---
19	---	---	---	---	---	---	---	---	---	592	---	---
20	---	---	---	---	---	---	---	---	---	602	---	---
21	---	---	---	---	---	---	---	---	---	603	---	---
22	---	---	---	---	---	---	---	---	---	617	---	---
23	---	---	---	---	---	---	---	---	---	626	---	---
24	---	---	---	---	---	---	---	---	---	628	---	---
25	---	---	---	---	---	---	---	---	---	627	---	---
26	---	---	---	---	---	---	---	---	---	665	---	---
27	---	---	---	---	---	---	---	---	---	686	---	---
28	---	---	---	---	---	---	---	---	---	640	---	---
29	---	---	---	---	---	---	---	---	---	617	---	---
30	---	---	---	---	---	---	---	---	---	526	---	---
31	---	---	---	---	---	---	---	---	---	421	---	---

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	PH OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT DIS FIELD CAC03 (MG/L) (39036)
OCT													
04...	1210	3660	745	11.5	8.4	594	27.0	20.6	62.5	19.4	4.95	28.5	180
18...	1230	26000	758	7.3	7.5	398	15.0	14.5	--	--	--	--	--
NOV													
15...	1340	9020	745	10.2	8.1	552	20.0	12.8	--	--	--	--	190
28...	1320	14700	749	8.7	7.8	435	10.0	11.4	--	--	--	--	--
DEC													
12...	1240	17400	745	10.3	7.8	471	10.0	9.5	--	--	--	--	150
JAN													
09...	1240	11300	736	12.5	7.8	548	11.0	4.2	--	--	--	--	190
FEB													
06...	1240	39200	751	8.5	7.8	344	.0	5.2	--	--	--	--	120
MAR													
06...	1400	19600	743	12.2	8.1	462	15.0	5.4	--	--	--	--	160
APR													
04...	1320	34600	753	10.4	8.2	438	6.0	10.0	--	--	--	--	160
MAY													
09...	1200	63500	733	7.0	7.6	283	17.0	19.3	--	--	--	--	--
16...	1250	11500	748	7.9	7.4	233	25.0	18.5	--	--	--	--	98
30...	1145	19500	744	8.0	7.7	484	28.0	20.9	--	--	--	--	--
JUN													
06...	1320	16100	750	6.8	7.8	452	20.0	24.3	--	--	--	--	160
13...	1410	17400	737	7.3	7.8	425	25.0	24.5	--	--	--	--	--
20...	1310	13600	752	8.0	7.9	446	28.0	24.3	--	--	--	--	--
27...	1350	10600	738	7.4	8.0	469	30.0	28.0	--	--	--	--	--
JUL													
11...	1400	7020	745	9.0	8.2	476	37.0	28.9	--	--	--	--	170
18...	1330	4690	744	11.2	8.2	588	24.0	29.3	--	--	--	--	--
25...	1330	5210	746	11.8	8.3	625	31.0	30.2	--	--	--	--	--
AUG													
15...	1450	2300	745	10.4	8.4	668	28.0	28.3	--	--	--	--	170
29...	1330	2310	746	12.3	8.5	629	28.0	29.3	--	--	--	--	--
SEP													
12...	1400	1490	750	11.8	8.4	714	26.0	27.3	--	--	--	--	160

03374100 WHITE RIVER AT HAZLETON, IN--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	ALKA-LINITY WAT DIS TOT IT FIELD	BICAR-BONATE WATER DIS IT FIELD	CAR-BONATE WATER DIS IT FIELD	CHLO-RIDE, DIS- SOLVED	FLUO-RIDE, DIS- SOLVED	SILICA, DIS- SOLVED	SULFATE DIS- SOLVED	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED	NITRO-GEN, AMMONIA DIS- SOLVED	NITRO-GEN,AM- MONIA + ORGANIC DIS- SOLVED	NITRO-GEN,AM- MONIA + ORGANIC TOTAL	NITRO-GEN, NO2+NO3 DIS- SOLVED	NITRO-GEN, NITRITE DIS- SOLVED
	MG/L AS CACO3 (39086)	MG/L AS HCO3 (00453)	MG/L AS CO3 (00452)	(MG/L AS CL) (00940)	(MG/L AS F) (00950)	(MG/L AS SIO2) (00955)	(MG/L AS SO4) (00945)	(MG/L) (70300)	(MG/L AS N) (00608)	(MG/L AS N) (00623)	(MG/L AS N) (00625)	(MG/L AS N) (00631)	(MG/L AS N) (00613)
OCT													
04...	181	215	3	43.5	.3	6.39	55.9	358	<.04	.32	.91	1.88	.022
18...	--	--	--	--	--	--	--	--	<.04	--	1.0	1.79	.015
NOV													
15...	189	228	1	29.9	--	--	45.9	--	<.04	--	.49	2.08	E.004
28...	--	--	--	--	--	--	--	--	.05	--	1.6	2.14	.017
DEC													
12...	155	188	0	20.6	--	--	36.5	--	<.04	--	.45	2.29	.009
JAN													
09...	194	235	0	25.5	--	--	51.0	--	E.03	--	.34	2.60	.009
FEB													
06...	122	148	0	18.5	--	--	28.1	--	<.04	--	.90	1.74	.179
MAR													
06...	164	198	0	26.5	--	--	39.0	--	<.04	--	.53	1.92	.010
APR													
04...	161	193	1	23.8	--	--	32.3	--	<.04	--	.61	2.98	.010
MAY													
09...	--	--	--	--	--	--	--	--	<.04	--	.83	1.26	.031
16...	97	118	0	7.68	--	--	16.2	--	<.04	--	.78	.79	.044
30...	--	--	--	--	--	--	--	--	<.04	--	.65	2.15	.015
JUN													
06...	163	197	0	17.5	--	--	40.2	--	<.04	--	.72	1.88	.022
13...	--	--	--	--	--	--	--	--	<.04	--	1.1	2.15	.024
20...	--	--	--	--	--	--	--	--	<.04	--	.67	1.76	.084
27...	--	--	--	--	--	--	--	--	<.04	--	.97	1.48	.012
JUL													
11...	171	203	2	23.4	--	--	43.6	--	<.04	--	1.1	.70	.014
18...	--	--	--	--	--	--	--	--	<.04	--	.92	.42	.011
25...	--	--	--	--	--	--	--	--	<.04	--	1.2	.22	.014
AUG													
15...	162	E194	E1	53.0	--	--	81.1	--	<.04	--	1.2	<.05	<.008
29...	--	--	--	--	--	--	--	--	<.04	--	1.1	<.05	<.008
SEP													
12...	160	186	4	59.1	--	--	99.5	--	<.04	--	1.1	<.05	<.008

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	NITRO-GEN,PAR TICULATE WAT FLT SUSP	PHOS-PHORUS DIS- SOLVED	ORTHO- PHOS- PHATE, DIS- SOLVED	PHOS-PHORUS TOTAL	CARBON, INORG + ORGANIC TOTAL	CARBON, INOR- GANIC, TOTAL	CARBON, ORGANIC DIS- SOLVED	CARBON, ORGANIC PARTIC- ULATE TOTAL	IRON, DIS- SOLVED	MANGA- NESE, ESTER, DIS- SOLVED	2,4-D METHYL WATER FLTRD REC	2,4-D, DIS- SOLVED	2,4-DB WATER, FLTRD, GF 0.7U REC
	(MG/L AS N) (49570)	(MG/L AS P) (00666)	(MG/L AS P) (00671)	(MG/L AS P) (00665)	(MG/L AS C) (00694)	(MG/L AS C) (00688)	(MG/L AS C) (00681)	(MG/L AS C) (00689)	(UG/L AS FE) (01046)	(UG/L AS MN) (01056)	(UG/L) (50470)	(UG/L) (39732)	(UG/L) (38746)
OCT													
04...	.75	.078	.05	.21	5.7	<.1	6.1	5.7	<10	E2.3	<.009	.03	<.02
18...	--	--	.09	.36	--	--	--	--	--	--	<.009	.10	<.02
NOV													
15...	.43	--	.06	.138	2.6	<.1	3.8	2.6	--	--	<.009	<.02	<.02
28...	--	--	.20	.63	--	--	--	--	--	--	<.009	.31	<.02
DEC													
12...	.27	--	.06	.164	1.5	<.1	4.4	1.5	--	--	<.009	.05	<.02
JAN													
09...	<.02	--	.06	.111	1.7	<.1	2.9	1.6	--	--	<.009	E.02	<.02
FEB													
06...	.29	--	<.02	.186	3.1	<.1	5.2	3.1	--	--	<.009	.06	<.02
MAR													
06...	.32	--	.03	.164	3.0	.5	3.3	2.5	--	--	<.009	<.02	<.02
APR													
04...	.21	--	.04	.160	1.5	<.1	3.7	1.5	--	--	<.009	.03	<.02
MAY													
09...	--	--	.05	.22	--	--	--	--	--	--	<.009	.23	<.02
16...	.20	--	E.02	.179	1.6	.2	6.0	1.5	--	--	<.009	.15	<.02
30...	--	--	.05	.192	--	--	--	--	--	--	--	--	--
JUN													
06...	.14	--	.04	.198	1.9	<.1	3.6	1.8	--	--	<.009	.27	<.02
13...	--	--	.05	.28	--	--	--	--	--	--	<.009	.24	<.02
20...	--	--	<.02	.184	--	--	--	--	--	--	<.009	<.02	<.02
27...	--	--	.03	.20	--	--	--	--	--	--	<.009	.08	<.02
JUL													
11...	.79	--	<.02	.171	4.8	<.1	3.4	4.8	--	--	<.009	<.02	<.02
18...	--	--	<.02	.142	--	--	--	--	--	--	--	--	--
25...	--	--	<.02	.134	--	--	--	--	--	--	--	--	--
AUG													
15...	.90	--	<.02	.149	6.1	<.1	3.7	6.1	--	--	<.009	E.02	<.02
29...	--	--	<.02	.134	--	--	--	--	--	--	--	--	--
SEP													
12...	.98	--	<.02	.145	8.1	<.1	4.3	8.1	--	--	<.009	.03	<.02

03374100 WHITE RIVER AT HAZLETON, IN--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	3HYDRXY CARBO-FURAN WAT,FLT 0.7U GF REC (UG/L) (49308)	3-KETO CARBO-FURAN WATER FLTRD (UG/L) (50295)	ACETO-CHLOR ESA FLTRD (UG/L) (61029)	ACETO-CHLOR OA FLTRD (UG/L) (61030)	ACETO-CHLOR, WATER FLTRD (UG/L) (49260)	ACIFL-UORFEN WATER, FLTRD (UG/L) (49315)	ALA-CHLOR OA FLTRD (UG/L) (61031)	ALA-CHLOR ESA WAT FLT (UG/L) (50009)	ALA-CHLOR, DISS, WAT,FLT (UG/L) (46342)	ALDI-CARB SULFONE WAT,FLT (UG/L) (49313)	ALDICA-RB SUL-FOXIDE, WAT,FLT (UG/L) (49314)	ALDI-CARB, WATER, FLTRD (UG/L) (49312)
OCT													
04...	<.002	<.006	<2	--	--	.009	<.007	--	--	.003	<.02	<.008	<.04
18...	<.002	<.006	<2	.22	.17	.015	<.007	<.05	.06	.003	<.02	<.008	<.04
NOV													
15...	<.002	<.006	<2	.09	.05	.004	<.007	<.05	.06	<.002	<.02	<.008	<.04
28...	<.002	<.006	<2	--	--	.040	<.007	--	--	<.002	<.02	<.008	<.04
DEC													
12...	<.002	<.006	<2	.12	.07	.005	<.007	<.05	.09	<.002	<.02	<.008	<.04
JAN													
09...	<.006	<.006	<2	.06	<.05	.009	<.007	<.05	.08	<.004	<.02	<.008	<.04
FEB													
06...	<.006	<.006	<2	.13	.08	<.006	<.007	<.05	.09	<.004	<.02	<.008	<.04
MAR													
06...	<.006	<.006	<2	.07	<.05	.008	<.007	<.05	.07	<.004	<.02	<.008	<.04
APR													
04...	<.006	<.006	<2	.09	.06	.009	<.118	<.05	.08	.005	<.02	<.008	<.04
MAY													
09...	<.006	<.006	<2	.07	.07	.092	<.007	<.05	.05	.027	<.02	<.008	<.04
16...	<.006	<.006	<2	.07	.07	.132	<.007	<.05	<.05	.011	<.02	<.008	<.04
30...	<.006	--	--	--	--	.197	--	--	--	.006	--	--	--
JUN													
06...	<.006	<.006	<2	.17	.29	.560	<.007	<.05	<.05	.039	<.02	<.008	<.04
13...	<.006	<.006	<2	.45	.59	1.04	<.007	.09	.11	.182	<.02	<.008	<.04
20...	<.006	<.006	<2	.34	.39	.278	<.007	.06	.08	.039	<.02	<.008	<.04
27...	<.006	<.006	<2	.28	.30	.188	<.007	<.05	<.05	.013	<.02	<.008	<.04
JUL													
11...	<.006	<.006	<2	.31	.30	.067	<.007	<.05	.06	.010	<.02	<.008	<.04
18...	<.006	--	--	--	--	.041	--	--	--	<.004	--	--	--
25...	<.006	--	--	--	--	.017	--	--	--	<.004	--	--	--
AUG													
15...	<.006	<.006	<2	.08	.13	<.006	<.007	<.05	.09	<.004	<.02	<.008	<.04
29...	<.006	--	--	--	--	E.006	--	--	--	<.004	--	--	--
SEP													
12...	<.006	<.006	<2	.07	.07	<.006	<.007	<.05	.08	<.004	<.02	<.008	<.04

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BENDIO-CARB, WATER FLTRD (UG/L) (50299)	BEN-FLUR-ALIN WAT FLD (UG/L) (82673)	BENOMYL WATER FLTRD (UG/L) (50300)	BEN-SUL-FURON METHYL WAT FLT (UG/L) (61693)	BENTA-ZON, WATER, FLTRD (UG/L) (38711)	BRO-MACIL, WATER, DISS, REC (UG/L) (04029)	BRO-MOXYNIL, WATER, FLTRD (UG/L) (49311)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAF-FEINE, WATER, FLTRD (UG/L) (50305)	CAR-BARYL, WATER, FLTRD (UG/L) (49310)	CAR-BARYL, WATER, FLTRD (UG/L) (82680)
OCT													
04...	<.005	.168	<.03	<.010	<.004	<.02	E.01	<.03	<.02	<.002	<.010	<.03	<.041
18...	<.005	.178	<.03	<.010	<.004	<.02	E.01	<.03	<.02	<.002	.058	<.03	<.041
NOV													
15...	<.005	.083	<.03	<.010	<.004	<.02	E.01	<.03	<.02	<.002	<.010	<.03	<.041
28...	<.005	.155	<.03	<.010	<.004	<.02	E.01	<.03	<.02	<.002	<.010	<.03	<.041
DEC													
12...	<.005	.115	<.03	<.010	<.004	<.02	E.03	<.03	<.02	<.002	<.010	M	E.006
JAN													
09...	<.005	.054	<.03	<.010	<.004	<.02	E.01	<.03	<.02	<.002	<.010	<.03	<.041
FEB													
06...	<.005	.075	<.03	<.010	<.004	<.02	<.01	E.01	<.02	<.002	.054	<.03	<.041
MAR													
06...	<.005	.046	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.002	.029	<.03	<.041
APR													
04...	<.005	.053	<.03	<.010	<.004	<.02	E.01	<.03	<.02	<.002	.055	<.03	E.006
MAY													
09...	<.005	1.73	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.002	<.010	E.01	E.010
16...	<.005	1.88	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.003	<.010	M	E.006
30...	<.005	3.75	--	<.010	--	--	--	--	--	<.002	--	--	<.041
JUN													
06...	<.005	5.98	<.03	<.010	<.004	<.02	E.01	E.03	<.02	<.002	<.010	<.03	<.041
13...	<.005	9.30	<.03	<.010	<.004	<.02	<.01	E.04	<.02	<.002	<.010	<.03	E.006
20...	<.005	3.66	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.002	<.010	<.03	<.041
27...	<.005	2.29	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.002	<.010	<.03	<.041
JUL													
11...	<.005	1.77	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.002	<.010	<.03	<.041
18...	<.005	.928	--	<.010	--	--	--	--	--	<.002	--	--	<.041
25...	<.005	.556	--	<.010	--	--	--	--	--	<.002	--	--	<.041
AUG													
15...	<.005	.359	<.03	<.010	<.004	<.02	M	<.03	<.02	<.002	<.010	<.03	<.041
29...	<.005	.334	--	<.010	--	--	--	--	--	<.002	--	--	<.041
SEP													
12...	<.005	.272	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.002	<.010	<.03	<.041

03374100 WHITE RIVER AT HAZLETON, IN--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	CARBO- FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CARBO- FURAN, WATER, FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR- AMBEN, METHYL ESTER WATER FLTRD (UG/L) (61188)	CHLORI- MURON, WATER FLTRD (UG/L) (50306)	CHLORO- THALO- NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	CLOPYR- ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	CY- CLOATE, WATER, DISS, REC (UG/L) (04031)	DACTHAL MONO- ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DEETHYL DEISO- PROPYL ATRAZIN DISS, REC (UG/L) (04039)
OCT													
04...	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01	<.003	E.053	<.01
18...	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	--	<.003	E.08	<.01
NOV													
15...	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01	<.003	E.04	E.02
28...	<.006	<.020	<.02	E.180	<.04	<.005	<.01	<.018	<.01	<.01	<.003	E.04	<.01
DEC													
12...	<.006	<.020	<.02	E.095	E.29	<.005	<.01	E.005	<.01	<.01	<.003	E.036	E.03
JAN													
09...	<.006	<.020	<.02	E.031	<.04	<.005	<.01	<.018	<.01	<.01	<.003	E.024	<.01
FEB													
06...	<.006	<.020	E.03	E.029	<.04	<.005	<.01	<.018	<.01	<.01	<.003	E.035	<.01
MAR													
06...	<.006	<.020	<.02	E.018	<.04	<.005	<.01	<.018	<.01	<.01	<.003	E.022	<.01
APR													
04...	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01	<.003	E.019	E.01
MAY													
09...	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01	<.003	E.090	E.03
16...	<.006	<.020	<.02	E.050	<.04	<.005	<.01	E.017	<.01	<.01	<.003	E.081	<.01
30...	--	<.020	--	--	--	<.005	--	<.018	--	--	<.003	E.080	--
JUN													
06...	<.006	<.020	<.02	E.016	<.04	<.005	<.01	<.025	<.01	<.01	<.003	E.244	<.01
13...	<.006	<.020	<.02	E.054	<.04	<.005	<.01	<.018	<.01	<.01	<.003	E.329	<.01
20...	<.006	<.020	<.02	E.019	<.04	<.005	<.01	<.018	<.01	<.01	<.003	E.335	E.07
27...	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01	<.003	E.249	<.01
JUL													
11...	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01	<.003	E.220	<.01
18...	--	<.020	--	--	--	<.005	--	<.018	--	--	<.003	E.136	--
25...	--	<.020	--	--	--	<.005	--	<.018	--	--	<.003	E.073	--
AUG													
15...	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01	<.003	E.066	<.01
29...	--	<.020	--	--	--	<.005	--	<.018	--	--	<.003	E.061	--
SEP													
12...	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01	<.003	E.051	<.01

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	DEISO- PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	DIMETH- ENAMID OA, WATER FLT, REC (UG/L) (62482)	DIMETH- ENAMID ES, WAT FLT (UG/L) (61951)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DIPHEN- AMID, WATER, DISS, REC (UG/L) (04033)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)
OCT													
04...	E.03	.009	<.01	<.01	<.005	--	--	<.01	<.03	<.02	E.01	<.002	<.009
18...	E.07	.013	.02	<.01	<.005	<.05	<.05	<.01	<.03	<.02	<.01	<.002	<.009
NOV													
15...	E.02	E.003	<.01	<.01	<.005	<.05	<.05	<.01	<.03	<.02	<.01	<.002	<.009
28...	E.14	<.005	<.01	<.01	<.005	--	--	<.01	<.03	<.02	E.01	<.002	<.009
DEC													
12...	E.04	E.004	<.01	<.01	<.005	<.05	<.05	<.01	<.03	<.02	<.01	<.002	<.009
JAN													
09...	<.04	<.005	<.01	<.01	<.005	<.05	<.05	<.01	<.03	<.02	<.01	.004	<.009
FEB													
06...	E.05	E.004	<.01	<.01	<.005	<.05	<.05	<.01	<.03	<.02	<.01	<.002	<.009
MAR													
06...	E.03	E.002	<.01	<.01	<.005	<.05	<.05	<.01	<.03	<.02	<.01	<.002	<.009
APR													
04...	E.02	E.004	<.01	<.01	<.005	<.05	<.05	<.01	<.03	<.02	E.01	<.002	<.009
MAY													
09...	E.06	.009	<.01	<.01	<.005	<.05	<.05	<.01	<.03	<.02	.08	<.002	<.009
16...	E.09	.011	<.01	<.01	<.005	<.05	<.05	<.01	<.03	<.02	.05	<.002	<.009
30...	--	.006	--	--	<.005	--	--	--	--	<.02	--	<.002	<.009
JUN													
06...	E.16	.007	<.01	<.01	<.005	<.05	<.05	<.01	<.03	<.02	.03	<.002	<.009
13...	E.47	<.007	<.01	<.01	<.005	<.05	<.05	<.01	<.03	<.02	.02	<.002	<.009
20...	E.13	.007	<.01	<.01	<.005	<.05	<.05	<.01	<.03	<.02	.03	<.002	<.009
27...	E.17	E.002	<.01	<.01	<.005	<.05	<.05	<.01	<.03	<.02	E.01	<.002	<.009
JUL													
11...	E.16	E.004	<.01	<.01	<.005	<.05	<.05	<.01	<.03	<.02	E.01	<.002	<.009
18...	--	<.005	--	--	<.005	--	--	--	--	<.02	--	<.002	<.009
25...	--	<.005	--	--	<.005	--	--	--	--	<.02	--	<.002	<.009
AUG													
15...	E.04	<.005	<.01	<.01	<.005	<.05	<.05	<.01	<.03	<.02	E.01	<.002	<.009
29...	--	<.005	--	--	<.005	--	--	--	--	<.02	--	<.002	<.009
SEP													
12...	E.02	<.005	<.01	<.01	<.005	<.05	<.05	<.01	<.03	<.02	E.01	<.002	<.009

03374100 WHITE RIVER AT HAZLETON, IN--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FEN-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUFEN-ACET, ESA, FLT, WAT FLT (UG/L) (61952)	FLUFE-NACET, OA, FLT, REC (UG/L) (62483)	FLUMET-SULAM, WATER, FLTRD, REC (UG/L) (61694)	FLUO-METURON, WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	FONOFOS, WATER, DISS, REC (UG/L) (04095)	HYDROXY, ATRA-ZINE, WATER, FLTRD, REC (UG/L) (50355)	IMAZ-AQUIN, WATER, FLTRD, REC (UG/L) (50356)	IMAZE-THAPYR, WATER, FLTRD, REC (UG/L) (50407)	IMID-ACLOP-RID, WATER, FLTRD, REC (UG/L) (61695)	LINDANE, DIS-SOLVED, (UG/L) (39341)	LINURON, WATER, FLTRD, GF 0.7U REC (UG/L) (38478)
OCT													
04...	<.005	<.03	--	--	<.01	<.03	<.003	E.192	<.02	<.02	<.007	<.004	<.01
18...	<.005	<.03	<.05	<.05	<.01	<.03	<.003	E.303	<.02	<.02	<.007	<.004	<.01
NOV													
15...	<.005	<.03	<.05	<.05	<.01	<.03	<.003	E.122	<.02	<.02	<.007	<.004	<.01
28...	<.005	<.03	--	--	<.01	<.03	<.003	E.261	<.02	<.02	<.007	<.004	<.01
DEC													
12...	<.005	<.03	<.05	<.05	<.01	<.03	<.003	E.225	E.03	E.01	<.007	<.004	<.01
JAN													
09...	<.005	<.03	<.05	<.05	<.01	<.03	<.003	<.008	E.01	<.02	<.007	<.004	<.01
FEB													
06...	<.005	<.03	<.05	<.05	<.01	<.03	<.003	E.105	E.01	<.02	<.007	<.004	<.01
MAR													
06...	<.005	<.03	<.05	<.05	<.01	<.03	<.003	E.065	<.02	<.02	<.007	<.004	<.01
APR													
04...	<.005	<.03	<.05	<.05	<.01	<.03	<.003	E.086	<.02	<.02	<.007	<.004	<.01
MAY													
09...	<.005	<.03	<.05	<.05	<.01	<.03	<.003	E.286	E.01	<.02	<.007	<.004	<.01
16...	<.005	<.03	<.05	<.05	<.01	<.03	<.003	E.322	E.01	E.04	<.007	<.004	<.01
30...	<.005	--	--	--	--	--	<.003	--	--	--	--	<.004	--
JUN													
06...	<.005	<.03	<.05	<.05	E.02	<.03	<.003	E.387	E.01	E.05	<.007	<.004	<.01
13...	<.005	<.03	<.05	<.05	<.01	<.03	<.003	E.782	E.02	E.10	<.007	<.004	<.01
20...	<.005	<.03	<.05	<.05	E.04	<.03	<.003	E.574	E.01	E.02	<.007	<.004	<.01
27...	<.005	<.03	<.05	<.05	<.01	<.03	<.003	E.342	<.02	<.02	<.007	<.004	<.01
JUL													
11...	<.005	<.03	<.05	<.05	<.01	<.03	<.003	E.331	<.02	<.02	<.007	<.004	<.01
18...	<.005	--	--	--	--	--	<.003	--	--	--	--	<.004	--
25...	<.005	--	--	--	--	--	<.003	--	--	--	--	<.004	--
AUG													
15...	<.005	<.03	<.05	<.05	<.01	<.03	<.003	E.267	<.02	<.02	<.007	<.004	<.01
29...	<.005	--	--	--	--	--	<.003	--	--	--	--	<.004	--
SEP													
12...	<.005	<.03	<.05	<.05	<.01	<.03	<.003	<.008	<.02	<.02	<.007	<.004	<.01

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	LIN-URON, WATER, FLTRD 0.7 U GF, REC (UG/L) (82666)	LIN-MALA-THION, DIS-SOLVED, (UG/L) (39532)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METAL-AXYL, WATER, FLTRD, REC (UG/L) (50359)	METHIO-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH-OMYL, OXIME, WATER, FLTRD, GF 0.7U REC (UG/L) (61696)	METH-OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	METHYL, AZIN-PHOS, WAT FLT (UG/L) (82686)	METHYL, PARA-THION, WAT FLT (UG/L) (82667)	METOLA-CHLOR, ESA, FLTRD, GF REC (UG/L) (61043)	METOLA-CHLOR, OA, FLTRD, GF REC (UG/L) (61044)	METO-LACHLOR, WATER, DISSOLV (UG/L) (39415)
OCT													
04...	<.035	<.027	M	<.01	<.02	<.008	<.01	<.004	<.050	<.006	--	--	.051
18...	<.035	<.027	E.01	<.01	<.02	<.008	<.01	<.004	<.050	<.006	.67	.33	.067
NOV													
15...	<.035	<.027	<.02	<.01	<.02	<.008	<.01	<.004	<.050	<.006	.47	.18	.037
28...	<.035	<.027	<.02	<.01	<.02	<.008	--	<.004	<.050	<.006	--	--	.101
DEC													
12...	<.035	<.027	<.02	<.01	<.02	<.008	--	<.004	<.050	<.006	.54	.16	.027
JAN													
09...	<.035	E.007	<.02	<.01	<.02	<.008	--	<.004	<.050	<.006	.35	.10	.026
FEB													
06...	<.035	<.027	<.02	<.01	<.02	<.008	--	<.004	<.050	<.006	.50	.27	.040
MAR													
06...	<.035	<.027	<.02	<.01	<.02	<.008	--	<.004	<.050	<.006	.36	.12	.020
APR													
04...	<.035	E.005	<.11	<.01	<.02	<.008	--	<.004	<.050	<.006	.45	.13	.035
MAY													
09...	<.035	<.027	<.02	<.01	<.02	<.008	--	<.004	<.050	<.006	.23	.10	.324
16...	<.035	<.027	<.02	<.01	<.02	<.008	--	<.004	<.050	<.006	.19	.08	.326
30...	<.035	<.027	--	--	--	--	--	--	<.050	<.006	--	--	.761
JUN													
06...	<.035	<.027	<.02	<.01	<.02	<.008	--	<.004	<.050	<.006	.42	.19	.921
13...	<.035	<.027	<.02	<.01	<.02	<.008	--	<.004	<.050	<.006	.58	.37	2.20
20...	<.035	<.027	<.02	<.01	.02	<.008	--	<.004	<.050	<.006	.53	.33	.851
27...	<.035	<.027	<.02	<.01	<.02	<.008	--	<.004	<.050	<.006	.44	.22	.613
JUL													
11...	<.035	<.027	<.02	<.01	<.02	<.008	--	<.004	<.050	<.006	.54	.25	.334
18...	<.035	<.027	--	--	--	--	--	--	<.050	<.006	--	--	.145
25...	<.035	<.027	--	--	--	--	--	--	<.050	<.006	--	--	.075
AUG													
15...	<.035	<.027	<.02	<.01	<.02	<.008	--	<.004	<.050	<.006	.24	.13	.044
29...	<.035	<.027	--	--	--	--	--	--	<.050	<.006	--	--	.036
SEP													
12...	<.035	<.027	<.02	<.01	<.02	<.008	--	<.004	<.050	<.006	.22	.12	.031

03374100 WHITE RIVER AT HAZLETON, IN--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MET- SUL- FURON METHYL WAT FLT REC (UG/L) (61697)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	NEB- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NICOSUL FURON WATER FLTRD REC (UG/L) (50364)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	ORY- ZALIN, OXIME WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (50410)	OXAMYL, OXIME WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	P,P' DDE DISSOLV (UG/L) (34653)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PEB- ULATE WATER 0.7 U GF, REC (UG/L) (82669)
OCT													
04...	<.006	<.03	<.002	<.007	<.01	<.01	<.02	<.02	<.01	<.01	<.003	<.007	<.002
18...	<.006	<.03	<.002	<.007	<.01	<.01	<.02	<.02	<.01	<.01	<.003	<.007	<.002
NOV													
15...	<.006	<.03	<.002	<.007	<.01	<.01	<.02	<.02	<.01	<.01	<.003	<.007	<.002
28...	.029	--	<.002	<.007	<.01	<.01	<.02	<.02	--	<.01	<.003	<.007	<.002
DEC													
12...	.009	<.03	<.002	<.007	<.01	<.01	<.02	<.02	--	<.01	<.003	<.007	<.002
JAN													
09...	<.006	<.03	<.002	<.007	<.01	<.01	<.02	<.02	--	<.01	<.003	<.010	<.004
FEB													
06...	<.006	<.03	<.002	<.007	<.01	<.01	<.02	<.02	--	<.01	<.003	<.010	<.004
MAR													
06...	<.006	<.03	<.002	<.007	<.01	<.01	<.02	<.02	--	<.01	<.003	<.010	<.004
APR													
04...	<.006	<.03	<.002	<.007	<.01	<.01	<.02	<.02	--	<.01	<.003	<.010	<.004
MAY													
09...	.011	<.03	<.002	<.007	<.01	<.01	<.02	<.02	--	<.01	<.003	<.010	<.004
16...	.019	<.03	<.002	<.007	<.01	<.01	<.02	<.02	--	<.01	<.003	<.010	<.004
30...	.010	--	<.002	<.007	--	--	--	--	--	--	<.003	<.010	<.004
JUN													
06...	.023	<.03	<.002	<.007	<.01	<.01	<.02	<.02	--	<.01	<.003	<.010	<.004
13...	.050	<.03	<.002	<.007	<.01	<.01	<.02	<.02	--	<.01	<.003	<.010	<.004
20...	.025	<.03	<.002	<.007	<.01	E.01	<.02	<.02	--	<.01	<.003	<.010	<.004
27...	.010	<.03	<.002	<.007	<.01	<.01	<.02	<.02	--	<.01	<.003	<.010	<.004
JUL													
11...	.006	<.03	<.002	<.007	<.01	<.01	<.02	<.02	--	<.01	<.003	<.010	<.004
18...	<.006	--	<.002	<.007	--	--	--	--	--	--	<.003	<.010	<.004
25...	<.006	--	<.002	<.007	--	--	--	--	--	--	<.003	<.010	<.004
AUG													
15...	<.006	<.03	<.002	<.007	<.01	<.01	<.02	<.02	--	<.01	<.003	<.010	<.004
29...	<.006	--	<.002	<.007	--	--	--	--	--	--	<.003	<.010	<.004
SEP													
12...	<.006	<.03	<.002	<.007	<.01	<.01	<.02	<.02	--	<.01	<.003	<.010	<.004

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PIC- LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- PAILL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	PRO- PHAM, ZOLE, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PROP- ICONA- ZOLE, WATER FLTRD REC (UG/L) (50471)	PRO- POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	SIDURON WATER FLTRD REC (UG/L) (38548)
OCT													
04...	<.010	<.006	<.011	<.02	.02	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02
18...	<.010	<.006	<.011	<.02	.02	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02
NOV													
15...	<.010	<.006	<.011	<.02	E.01	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02
28...	<.010	<.006	<.011	<.02	E.01	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02
DEC													
12...	<.010	<.006	<.011	<.02	E.01	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02
JAN													
09...	<.022	<.006	<.011	<.02	E.01	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02
FEB													
06...	<.022	<.006	<.011	<.02	E.01	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02
MAR													
06...	<.022	<.006	<.011	<.02	E.01	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02
APR													
04...	<.022	<.006	<.011	<.02	E.01	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02
MAY													
09...	<.022	<.006	<.011	<.02	E.01	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02
16...	<.022	<.006	<.011	<.02	.02	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02
30...	<.022	<.006	<.011	--	.02	<.004	<.010	<.011	<.02	--	--	--	--
JUN													
06...	<.022	<.006	<.011	<.02	.02	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02
13...	<.022	<.006	<.011	<.02	.02	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02
20...	<.022	<.006	<.011	<.02	.03	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02
27...	<.022	<.006	<.011	<.02	.03	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02
JUL													
11...	<.022	<.006	<.011	<.02	.03	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02
18...	<.022	<.006	<.011	--	.06	<.004	<.010	<.011	<.02	--	--	--	--
25...	<.022	<.006	<.011	--	.03	<.004	<.010	<.011	<.02	--	--	--	--
AUG													
15...	<.022	<.006	<.011	<.02	.03	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02
29...	<.022	<.006	<.011	--	.07	<.004	<.010	<.011	<.02	--	--	--	--
SEP													
12...	<.022	<.006	<.011	<.02	.03	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02

03374100 WHITE RIVER AT HAZLETON, IN--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	SULFO-MET-RURON METHYL WTR FLT REC (UG/L) (50337)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACILL, WATER, DISS, REC (UG/L) (04032)	TER-BACILL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-BENURON METHYL WATER FLTRD (UG/L) (61159)	TRI-CLOPYR, WATER, FLTRD GF 0.7 U REC (UG/L) (49235)	TRI-FLUR-ALIN WATER, FLTRD 0.7 U GF, REC (UG/L) (82661)	UREA 3(4-CHLOR OPHENYL METHYL WAT FLT REC (UG/L) (61692)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT													
04...	.017	<.009	<.02	<.010	<.034	<.02	<.005	<.002	<.009	<.02	<.009	<.02	92
18...	.248	<.009	E.003	<.010	<.034	<.02	<.005	<.002	<.009	.03	<.009	<.02	91
NOV													
15...	.167	<.009	<.002	<.010	<.034	<.02	<.005	<.002	<.009	<.02	<.009	<.02	94
28...	2.95	<.009	<.006	<.010	<.034	<.02	<.005	<.002	--	<.02	<.009	<.02	92
DEC													
12...	.273	<.009	<.02	<.010	<.034	<.02	<.005	<.002	--	<.02	<.009	<.02	43
JAN													
09...	.134	<.009	<.02	<.010	<.034	<.02	<.005	<.002	--	<.02	<.009	<.02	94
FEB													
06...	.358	<.009	E.01	<.010	<.034	<.02	<.005	<.002	--	<.02	<.009	<.02	97
MAR													
06...	.137	<.009	<.02	<.010	<.034	<.02	<.005	<.002	--	<.02	<.009	<.02	93
APR													
04...	.090	<.009	E.01	<.010	<.034	<.02	<.005	<.002	--	<.02	<.009	<.02	93
MAY													
09...	.309	<.009	<.02	<.010	<.034	<.02	<.005	<.002	--	.03	<.009	<.02	99
16...	.331	<.009	<.02	<.010	<.034	<.02	<.005	<.002	--	<.02	<.009	<.02	98
30...	.329	--	<.02	--	<.034	<.02	<.005	<.002	--	--	<.009	--	--
JUN													
06...	.559	<.009	<.02	<.010	<.034	<.02	<.005	<.002	--	<.02	<.009	<.02	81
13...	1.04	<.009	<.02	<.010	<.034	<.02	<.005	<.002	--	<.02	<.009	<.02	96
20...	.375	E.007	E.01	<.010	<.034	<.02	<.005	<.002	--	.04	<.009	<.02	90
27...	.225	<.009	<.02	<.010	<.034	<.02	<.005	<.002	--	.13	<.009	<.02	96
JUL													
11...	.232	<.009	E.01	<.010	<.034	<.02	<.005	<.002	--	<.02	<.009	<.02	96
18...	.099	--	<.02	--	<.034	<.02	<.005	<.002	--	--	<.009	--	--
25...	.057	--	<.02	--	<.034	<.02	<.005	<.002	--	--	<.009	--	--
AUG													
15...	.038	<.009	<.02	<.010	<.034	<.02	<.005	<.002	--	<.02	<.009	<.02	93
29...	.054	--	<.02	--	<.034	<.02	<.005	<.002	--	--	<.009	--	--
SEP													
12...	.033	<.009	<.02	<.010	<.034	<.02	<.005	<.002	--	<.02	<.009	<.02	87

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	SEDI-MENT, SUS-PENDEED (MG/L) (80154)
OCT	
04...	68
18...	252
NOV	
15...	61
28...	352
DEC	
12...	144
JAN	
09...	26
FEB	
06...	298
MAR	
06...	109
APR	
04...	79
MAY	
09...	85
16...	62
30...	--
JUN	
06...	172
13...	289
20...	134
27...	158
JUL	
11...	113
18...	--
25...	--
AUG	
15...	77
29...	--
SEP	
12...	38

03374455 PATOKA RIVER NEAR HARDINSBURG, IN

LOCATION.--Lat 38°26'41", long 86°23'14", in NW¹/₄SE¹/₄ sec.10, T.1 S., R.1 E., Orange County, Hydrologic Unit 05120209, (VALEENE, IN quadrangle), on downstream edge of right pier of county road bridge, 0.3 mi downstream from Fudge Creek, 0.7 mi northeast of Valeene, 6.0 mi southwest of Hardinsburg, and at mile 158.0.

DRAINAGE AREA.--12.8 mi².

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

GAGE.--Water-stage recorder and partial concrete control. Datum of gage is 606.89 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.66	e5.6	90	e9.6	394	e15	21	31	3.0	1.7	0.15	0.01
2	0.60	e5.2	44	e8.5	95	47	18	31	2.8	e1.4	0.11	0.01
3	0.67	e4.6	30	e7.6	52	124	16	30	2.8	e1.2	0.09	0.0
4	0.91	e4.0	22	e7.2	34	47	14	21	2.3	e1.1	0.06	0.00
5	2.5	e3.6	17	e6.8	24	32	12	16	88	e1.0	0.05	0.00
6	4.8	e3.3	67	e7.4	21	25	e11	87	134	e0.90	0.04	0.00
7	e2.3	e3.1	69	e6.8	18	20	10	114	40	e0.84	0.03	0.00
8	e0.94	e3.0	49	e6.6	15	17	10	533	16	e0.78	0.01	0.00
9	e1.0	e3.0	36	e7.2	13	61	26	134	9.6	e0.74	0.0	0.00
10	e1.1	e2.8	25	e9.0	12	57	19	58	6.7	e1.1	0.00	0.00
11	e1.2	e2.7	19	e9.0	10	34	16	34	5.3	e0.96	0.00	0.00
12	e6.8	e2.5	19	e8.2	9.7	29	14	84	5.1	e0.82	0.00	0.00
13	e5.0	e2.4	82	e7.7	8.6	25	378	908	7.8	e0.70	0.00	0.00
14	e120	e2.3	115	e7.4	7.7	20	745	169	8.4	e0.70	0.01	0.00
15	29	e2.3	67	e7.1	7.6	18	159	67	4.9	e0.68	0.05	0.00
16	10	e2.2	340	6.8	7.1	187	70	38	3.8	e0.60	0.04	0.00
17	4.9	e2.1	1120	6.7	6.6	72	43	28	3.1	e0.54	0.04	0.00
18	3.0	e2.0	236	6.2	6.0	43	31	27	2.5	e0.50	0.08	0.00
19	2.4	e2.3	103	6.3	5.9	119	25	19	2.2	e0.50	0.15	0.00
20	2.2	e2.6	56	6.0	17	268	22	15	e1.9	e0.47	0.11	0.0
21	2.2	e2.3	38	5.9	27	104	116	12	e1.7	e0.44	0.09	0.01
22	2.8	e2.2	31	6.0	e10	51	163	10	e1.5	0.41	0.07	0.00
23	108	e2.1	116	6.5	e9.0	36	59	8.7	e1.3	0.37	0.07	0.00
24	302	e5.0	63	184	e8.0	28	38	7.6	e5.0	0.32	0.08	0.00
25	144	e19	40	75	e7.6	28	33	6.6	31	0.27	0.06	0.00
26	50	e5.8	31	39	e35	201	24	5.8	15	0.19	0.05	0.00
27	e21	41	25	28	e21	87	56	5.0	6.2	0.18	0.05	23
28	e13	300	21	22	e17	49	260	4.6	4.9	0.16	0.04	1.5
29	e10	510	18	18	---	37	79	4.3	3.6	0.13	0.03	0.80
30	e7.4	277	14	98	---	33	42	3.9	2.4	0.19	0.03	0.70
31	e6.2	---	e11	122	---	26	---	3.3	---	0.19	0.02	---
TOTAL	866.58	1226.0	3014	752.5	898.8	1940	2530	2515.8	422.8	20.08	1.61	26.03
MEAN	27.95	40.87	97.23	24.27	32.10	62.58	84.33	81.15	14.09	0.648	0.052	0.868
MAX	302	510	1120	184	394	268	745	908	134	1.7	0.15	23
MIN	0.60	2.0	11	5.9	5.9	15	10	3.3	1.3	0.13	0.00	0.00
CFSM	2.18	3.19	7.60	1.90	2.51	4.89	6.59	6.34	1.10	0.05	0.00	0.07
IN.	2.52	3.56	8.76	2.19	2.61	5.64	7.35	7.31	1.23	0.06	0.00	0.08

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

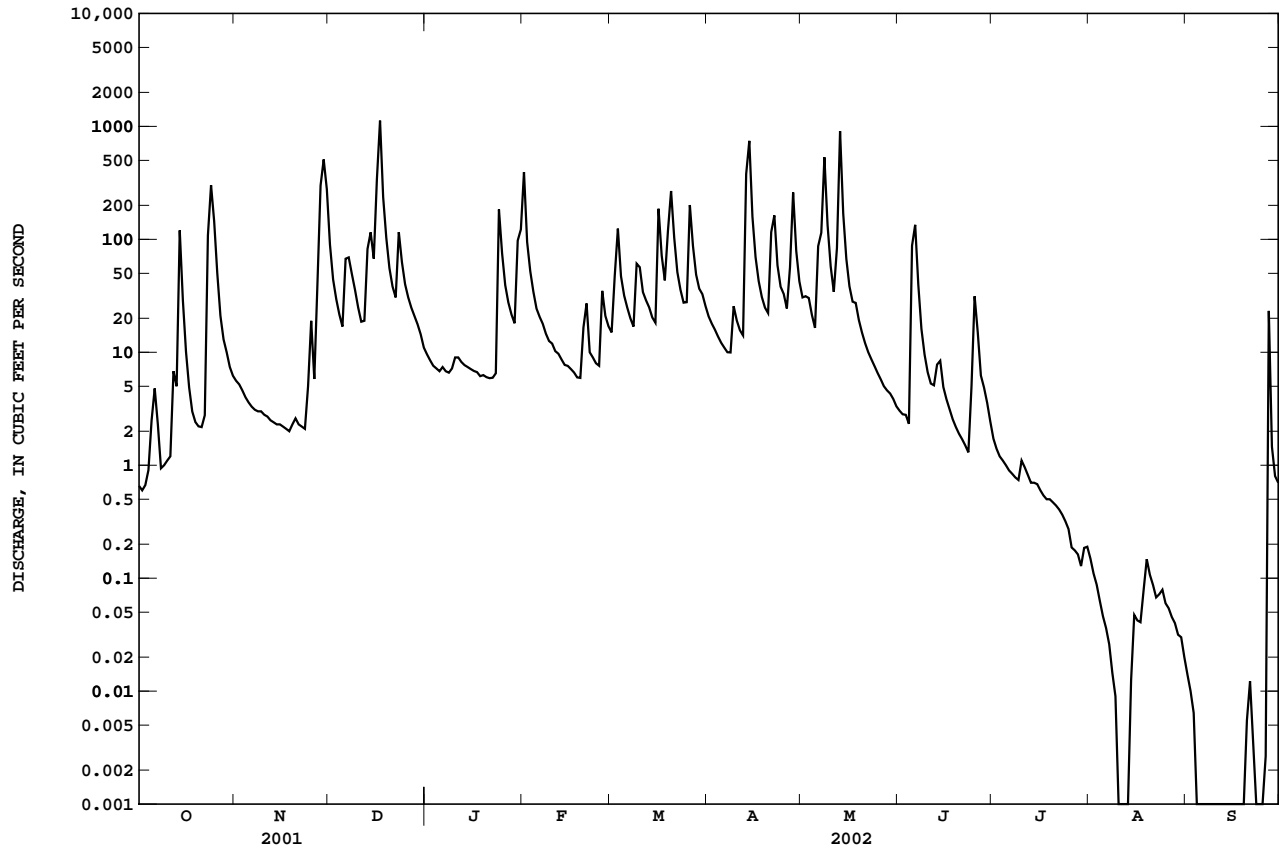
	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002			
MEAN	3.695	18.41	32.73	34.12	39.74	49.62	50.38	38.20	18.68	9.200	5.369	3.900																									
MAX	28.0	77.3	109	107	89.6	134	133	158	108	89.6	35.8	34.4																									
(WY)	2002	1980	1991	1982	1990	1997	1996	1996	1997	1979	1998	1996																									
MIN	0.000	0.000	1.17	0.61	2.58	8.80	6.79	2.47	0.46	0.26	0.000	0.000																									
(WY)	1998	2000	1981	1981	1992	1981	1976	2001	1988	1983	1991	1999																									

SUMMARY STATISTICS

	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1969 - 2002	
ANNUAL TOTAL	8074.10		14214.20			
ANNUAL MEAN	22.12		38.94		25.26	
HIGHEST ANNUAL MEAN					47.3	
LOWEST ANNUAL MEAN					6.35	
HIGHEST DAILY MEAN	1120		1120		1770	
LOWEST DAILY MEAN	0.50		0.00		0.00	
ANNUAL SEVEN-DAY MINIMUM	0.65		0.00		0.00	
MAXIMUM PEAK FLOW			1990		9270	
MAXIMUM PEAK STAGE			8.31		11.35	
ANNUAL RUNOFF (CFSM)	1.73		3.04		1.97	
ANNUAL RUNOFF (INCHES)	23.47		41.31		26.81	
10 PERCENT EXCEEDS	42		92		53	
50 PERCENT EXCEEDS	4.0		7.4		5.1	
90 PERCENT EXCEEDS	0.85		0.03		0.24	

e Estimated

03374455 PATOKA RIVER NEAR HARDINSBURG, IN--Continued



03374500 PATOKA RIVER NEAR CUZCO, IN

LOCATION.--Lat 38°26'31", long 86°42'51", in SW¹/₄SW¹/₄ sec.11, T.1 S., R.3 W., Dubois County, Hydrologic Unit 05120209 (CUZCO, IN quadrangle), on right bank 30 ft upstream from bridge on Cuzco Road South, 0.7 mi downstream from Patoka Lake, 2.3 mi south of Cuzco, 4.5 mi upstream from Dillon Creek, and at mile 117.8.

DRAINAGE AREA.--170 mi².

PERIOD OF RECORD.--June 1961 to September 2001 (discharge). October 2001 to September 2002 (stage only).

GAGE.--Water-stage recorder. Datum of gage is 477.00 ft above National Geodetic Vertical Datum of 1929, (levels by State of Indiana, Department of Natural Resources). Prior to Oct. 1, 1961, nonrecording gage on downstream side of bridge, 1.7 mi downstream at same datum. Oct. 1, 1961 to Sept. 30, 1981, water-stage recorder at site described above. Prior to October 1979, published as "near Ellsworth".

REMARKS.--Flow regulated by U.S. Army Corps of Engineers from Patoka Lake since February 1978.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 10.63 ft, Jan. 20, 21, 2002, minimum gage height, 2.12 ft, June 20, 2002.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of 19.1 ft according to information by local resident, discharge, 12,300 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 10.63 ft, Jan. 20, 21; minimum gage height, 2.12 ft, June 20.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.04	3.94	3.48	9.04	5.60	3.51	9.38	7.47	5.15	5.66	4.92	3.32
2	3.22	4.04	3.42	9.21	5.45	4.13	9.33	7.38	5.14	5.65	4.93	3.32
3	3.41	4.05	4.63	9.15	5.37	3.60	9.28	8.58	5.14	5.65	4.92	3.33
4	3.59	4.07	5.42	9.11	8.49	3.55	9.25	9.59	5.13	5.65	4.92	3.33
5	3.73	4.10	5.40	9.22	10.41	3.53	7.43	9.57	5.13	5.65	4.92	3.33
6	3.72	4.13	5.46	9.17	10.46	3.52	5.14	8.35	5.13	5.65	4.91	3.33
7	3.77	4.14	5.42	9.12	10.41	3.51	5.13	7.45	5.11	5.65	4.91	3.33
8	3.81	4.16	5.42	9.08	10.35	3.51	5.14	7.32	5.11	5.65	4.91	3.33
9	3.87	4.16	---	9.04	10.49	3.78	5.14	4.26	5.10	5.68	4.91	3.33
10	3.89	4.17	6.61	9.01	10.44	3.59	5.14	4.21	5.09	5.62	4.91	3.34
11	3.99	4.15	6.61	8.97	10.38	3.55	5.13	4.20	5.09	5.62	4.91	3.35
12	3.92	4.14	6.75	9.14	10.31	3.55	5.94	8.61	5.07	5.62	4.05	3.34
13	4.15	4.15	5.38	9.10	10.27	3.53	5.25	8.29	4.20	5.61	4.06	3.34
14	3.81	4.17	6.63	9.64	10.23	3.53	6.46	4.33	4.19	5.61	4.06	3.34
15	3.59	4.17	6.59	9.60	9.37	4.00	5.23	4.28	4.19	5.61	4.07	3.34
16	3.58	4.17	6.59	10.15	9.33	3.65	5.22	4.26	4.18	5.60	4.07	3.34
17	---	4.17	8.40	10.61	9.25	3.58	5.22	4.26	5.00	5.60	4.07	3.34
18	---	4.16	4.00	10.58	9.21	3.55	6.85	6.66	4.99	5.59	4.07	3.33
19	3.66	4.16	3.90	10.53	9.17	4.13	7.47	7.59	2.24	5.59	4.07	3.35
20	3.68	4.15	3.87	10.63	9.21	3.75	7.01	6.43	5.04	5.58	4.06	3.37
21	3.71	4.15	6.61	10.57	7.22	4.36	7.64	8.76	5.04	5.58	4.05	3.34
22	3.74	4.15	6.65	9.54	5.18	7.40	7.03	8.74	5.04	5.57	4.05	3.34
23	4.15	4.14	6.64	5.51	3.51	9.47	6.99	7.51	5.04	4.09	4.06	3.34
24	4.15	4.18	7.52	5.48	3.50	9.43	7.00	5.36	5.63	4.85	4.05	3.34
25	3.76	4.14	7.51	9.44	3.54	9.44	9.69	5.33	5.64	4.92	4.05	3.34
26	3.69	4.42	7.50	9.42	3.57	9.81	9.64	5.36	5.64	4.93	4.05	3.42
27	3.66	3.90	9.25	9.47	3.53	9.46	9.17	5.25	5.64	4.93	4.05	3.39
28	3.69	4.72	9.22	9.40	3.53	9.37	5.50	4.35	5.03	4.93	4.05	3.39
29	3.73	4.32	9.17	9.34	---	9.36	5.37	5.16	5.03	4.94	4.05	3.38
30	3.75	3.64	9.12	7.52	---	9.53	7.45	5.15	5.66	4.93	3.32	3.39
31	3.82	---	9.08	6.16	---	9.44	---	5.15	---	4.93	3.32	---
MEAN	---	4.14	---	9.10	7.78	5.49	6.85	6.43	4.96	5.39	4.31	3.35
MAX	---	4.72	---	10.63	10.49	9.81	9.69	9.59	5.66	5.68	4.93	3.42
MIN	---	3.64	---	5.48	3.50	3.51	5.13	4.20	2.24	4.09	3.32	3.32

03374500 Patoka River near Cuzco, IN--Continued

WATER-QUALITY RECORDS

INSTRUMENTATION.--Temperature recorder.

PERIOD OF RECORD.--

WATER TEMPERATURE.--October 1987 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 32.6°C, July 31, 1999; minimum, 0.4°C, Jan. 18, 19, 1994, and Jan. 11, 1996.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 28.4°C, Aug. 6, minimum, 3.7°C, Jan. 20-22.

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

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	20.3	18.1	19.4	15.2	14.2	14.7	11.6	10.5	11.0	6.2	5.8	6.0
2	20.6	18.4	19.5	15.2	14.8	15.0	11.7	10.7	11.1	5.8	5.5	5.7
3	20.4	18.8	19.7	15.1	13.9	14.6	11.8	10.5	11.2	5.5	5.2	5.3
4	20.4	18.8	19.7	15.1	13.6	14.4	11.8	11.3	11.6	5.2	5.0	5.1
5	20.1	18.7	19.3	14.8	13.5	14.1	12.0	11.5	11.7	5.1	4.9	5.0
6	18.7	17.4	18.1	14.4	12.9	13.7	11.7	11.5	11.6	5.0	4.8	4.9
7	18.5	16.5	17.7	14.5	13.0	13.8	11.7	11.5	11.6	4.8	4.7	4.7
8	18.3	16.9	17.7	14.6	13.1	13.9	11.5	11.3	11.5	4.7	4.5	4.6
9	18.6	17.0	17.9	14.3	12.9	13.6	---	---	---	4.7	4.5	4.6
10	18.5	17.7	18.1	14.0	12.5	13.3	11.1	10.9	11.0	4.6	4.3	4.5
11	18.4	18.0	18.1	13.7	12.6	13.2	11.0	10.7	10.8	4.3	4.1	4.2
12	18.6	18.0	18.3	13.6	12.3	13.0	10.8	10.7	10.8	4.5	4.2	4.3
13	18.8	18.1	18.5	13.7	12.3	13.0	10.9	10.7	10.8	4.3	4.2	4.3
14	18.7	17.7	18.0	13.7	12.5	13.2	10.8	10.7	10.7	4.5	4.2	4.4
15	18.1	16.4	17.4	13.7	12.4	13.1	10.7	10.6	10.6	4.4	4.2	4.3
16	17.9	16.2	16.7	13.9	12.6	13.2	10.6	9.6	10.3	4.3	4.1	4.2
17	---	---	---	13.9	12.7	13.3	10.5	9.9	10.2	4.3	4.1	4.2
18	---	---	---	14.2	12.6	13.4	10.4	9.5	9.9	4.2	4.0	4.1
19	17.3	15.9	16.5	13.6	12.6	13.2	---	---	---	4.1	3.9	4.0
20	17.7	15.8	16.7	12.6	11.6	12.1	9.8	9.0	9.3	3.9	3.7	3.8
21	17.9	16.4	17.1	12.3	11.2	11.8	9.8	9.0	9.4	4.0	3.7	3.8
22	17.8	16.1	17.0	12.3	11.3	11.9	9.6	9.4	9.5	4.0	3.7	3.9
23	18.0	17.0	17.5	12.7	11.6	12.1	9.4	9.1	9.3	4.5	4.0	4.2
24	18.0	16.6	17.3	13.2	12.6	12.9	9.1	8.8	8.9	5.1	4.2	4.5
25	17.1	15.5	16.1	13.0	12.1	12.5	8.8	8.4	8.6	4.5	4.1	4.3
26	15.9	14.6	15.1	12.7	11.3	12.0	8.4	8.0	8.2	4.5	4.2	4.3
27	15.1	13.9	14.6	12.6	11.6	12.1	8.0	7.8	7.9	4.6	4.3	4.4
28	15.0	13.5	14.4	11.7	9.8	10.6	7.8	7.5	7.6	5.0	4.4	4.6
29	15.2	13.5	14.5	11.9	10.0	10.7	7.5	7.0	7.2	5.3	4.9	5.1
30	15.2	14.1	14.7	12.0	10.6	11.1	7.0	6.7	6.9	5.5	5.1	5.2
31	15.2	13.9	14.7	---	---	---	6.7	6.2	6.4	7.0	5.5	6.0
MONTH	---	---	---	15.2	9.8	13.0	---	---	---	7.0	3.7	4.6

WABASH RIVER BASIN

03374500 Patoka River near Cuzco, IN--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.9	5.6	6.0	7.1	5.1	6.0	8.5	7.8	8.2	14.4	13.0	13.6
2	5.8	5.5	5.6	6.3	6.0	6.2	9.3	8.3	8.7	14.3	12.8	13.4
3	5.9	5.5	5.7	6.0	4.2	5.0	8.6	8.4	8.5	14.6	13.2	14.0
4	5.5	5.4	5.4	5.5	3.8	4.6	8.8	8.5	8.6	15.1	14.0	14.6
5	5.5	5.3	5.4	6.5	4.5	5.4	8.9	8.5	8.6	14.8	14.2	14.6
6	5.3	5.2	5.3	7.1	5.3	6.1	9.6	8.5	9.0	15.5	14.0	14.8
7	5.4	5.2	5.3	7.9	5.9	6.7	10.2	9.1	9.5	15.1	14.2	14.6
8	5.6	5.2	5.4	8.4	6.1	7.2	10.3	9.4	9.9	17.9	14.4	15.7
9	5.8	5.3	5.5	9.2	6.4	7.8	10.2	9.8	10.0	18.5	16.7	17.7
10	5.8	5.6	5.7	7.7	5.3	6.4	11.5	9.8	10.5	18.7	16.4	17.7
11	5.8	5.6	5.7	7.5	5.5	6.5	12.5	10.7	11.5	19.7	18.2	19.0
12	5.7	5.5	5.6	7.1	6.7	6.9	13.2	11.8	12.5	19.3	17.8	18.9
13	5.7	5.5	5.6	8.4	6.8	7.4	13.7	12.2	12.7	17.9	16.2	17.1
14	6.0	5.5	5.7	9.3	6.6	7.9	13.6	12.4	13.0	18.0	16.2	17.1
15	5.8	5.6	5.7	8.9	7.9	8.4	14.2	12.5	13.4	19.3	16.9	18.1
16	5.8	5.6	5.7	8.7	7.9	8.4	16.0	13.6	14.7	19.2	18.3	18.6
17	5.8	5.6	5.7	8.1	7.5	7.8	15.4	14.3	14.8	18.8	18.2	18.5
18	6.3	5.8	6.0	8.5	7.6	8.1	16.5	14.5	15.3	18.2	17.3	17.8
19	6.1	5.9	6.0	9.1	8.1	8.6	16.1	14.1	15.2	18.0	17.3	17.6
20	6.3	6.0	6.2	8.9	8.1	8.6	15.5	14.2	15.2	17.6	15.7	17.1
21	6.3	6.2	6.2	8.1	7.0	7.5	17.4	14.4	16.1	17.5	15.7	16.4
22	6.4	6.0	6.1	7.6	6.8	7.2	14.4	11.3	12.1	16.3	15.7	16.0
23	7.2	5.9	6.4	7.6	7.1	7.3	15.8	12.3	14.6	16.1	15.7	15.9
24	7.9	6.1	6.9	8.0	7.3	7.6	16.8	15.7	16.2	15.9	15.0	15.5
25	7.9	6.6	7.1	7.7	7.5	7.6	15.7	11.7	12.7	15.7	14.7	15.3
26	6.6	4.9	5.9	7.7	7.4	7.5	13.0	12.1	12.7	16.0	14.7	15.4
27	6.0	4.7	5.3	7.7	7.3	7.4	13.8	12.5	13.2	15.7	15.0	15.3
28	6.5	4.8	5.5	8.1	7.3	7.7	13.7	11.3	12.5	20.2	15.0	17.9
29	---	---	---	8.3	7.5	7.8	12.7	11.5	12.2	20.0	18.7	19.4
30	---	---	---	8.2	7.6	7.9	13.6	12.2	12.9	19.9	18.7	19.4
31	---	---	---	8.4	7.8	8.1	---	---	---	19.9	18.5	19.2
MONTH	7.9	4.7	5.8	9.3	3.8	7.2	17.4	7.8	12.2	20.2	12.8	16.7

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	20.0	18.4	19.2	23.5	23.1	23.3	26.9	26.0	26.4	27.2	25.8	26.4
2	20.5	18.3	19.5	24.3	23.1	23.6	27.0	26.0	26.4	27.3	25.7	26.3
3	20.9	18.8	20.1	24.6	23.2	23.9	27.2	26.1	26.6	27.1	25.6	26.1
4	21.1	19.1	20.1	24.5	23.5	23.9	27.2	25.1	26.6	27.4	25.6	26.3
5	21.4	18.9	20.4	24.6	23.3	24.0	27.0	25.1	26.1	27.8	25.7	26.5
6	20.3	18.9	19.6	25.2	24.3	24.8	28.4	25.8	27.4	27.7	25.8	26.6
7	21.4	19.2	20.6	25.3	23.4	24.4	27.7	26.5	26.9	27.6	25.9	26.6
8	21.2	20.2	20.6	25.0	23.7	24.3	26.9	26.1	26.4	27.6	25.8	26.6
9	21.5	20.2	20.9	25.2	22.1	24.1	26.7	25.9	26.3	27.4	25.9	26.6
10	22.0	20.8	21.4	26.6	21.4	24.5	26.6	25.4	25.9	27.6	25.4	26.5
11	21.9	19.7	20.9	26.2	24.4	25.3	26.2	24.9	25.7	26.7	25.2	25.8
12	21.5	20.0	20.8	25.1	24.3	24.7	27.0	25.8	26.3	26.8	25.2	25.8
13	22.4	18.3	20.9	25.0	23.8	24.4	26.7	25.6	26.2	26.3	24.9	25.6
14	21.6	18.2	19.7	24.8	23.8	24.4	26.3	25.5	25.9	26.1	25.5	25.8
15	20.7	17.9	19.4	24.7	23.6	24.2	27.2	25.3	26.0	26.4	25.5	25.8
16	21.3	19.3	20.4	25.0	24.1	24.5	26.3	25.4	25.7	26.2	25.1	25.5
17	21.9	20.1	21.1	24.8	23.6	24.3	26.2	25.6	26.0	25.6	24.9	25.3
18	22.5	21.0	21.8	24.5	23.9	24.3	26.0	25.4	25.7	26.3	25.0	25.5
19	---	---	---	24.7	23.8	24.2	26.4	25.4	25.9	26.0	25.3	25.6
20	---	---	---	24.6	23.9	24.3	26.8	25.4	26.0	25.5	24.5	25.1
21	22.9	21.5	22.2	25.5	24.5	25.1	27.4	26.2	26.7	25.7	24.3	24.8
22	23.5	21.7	22.6	25.8	25.0	25.4	26.8	25.7	26.3	24.9	23.5	24.2
23	23.2	21.9	22.5	26.1	23.3	25.1	26.7	25.4	25.9	24.6	23.0	23.7
24	23.6	22.2	22.9	---	---	---	26.8	25.8	26.1	24.3	22.8	23.4
25	23.9	22.0	22.7	26.0	24.3	25.5	26.7	25.8	26.1	23.6	22.6	23.0
26	24.1	21.9	22.6	25.5	24.1	25.1	26.9	25.8	26.4	23.0	21.2	22.2
27	22.8	20.8	22.1	25.4	24.5	25.0	27.0	25.7	26.3	21.2	19.8	20.6
28	23.6	21.7	22.9	25.6	24.3	25.1	27.0	26.0	26.6	21.6	19.9	20.7
29	23.7	23.0	23.2	26.1	22.8	25.2	26.7	25.7	26.1	21.7	20.2	20.8
30	23.5	23.0	23.3	26.4	25.0	25.8	27.4	25.7	26.4	21.6	20.1	20.7
31	---	---	---	26.6	25.1	26.0	27.7	25.9	26.6	---	---	---
MONTH	---	---	---	---	---	---	28.4	24.9	26.3	27.8	19.8	24.8

WABASH RIVER BASIN

363

03375500 PATOKA RIVER AT JASPER, IN

LOCATION.--Lat 38°24'49", long 86°52'36", in NW¼SE¼ sec.20, T.1 S., R.4 W., Dubois County, Hydrologic Unit 05120209, (JASPER, IN quadrangle), on left bank 0.3 mi upstream from unnamed outlet of Idlewild Lake, 1.2 mi downstream from county road bridge, 1.2 mi downstream from Beaver Creek, 3.3 mi northeast of Jasper, and at mile 91.5.

DRAINAGE AREA.--262 mi².

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

REVISED RECORDS.--WSP 1909: 1958. WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 446.00 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources). Nonrecording gage at bridge 5.6 mi downstream, used for high-water periods when flow exceeds about 2,500 ft³/s, at datum 0.15 ft lower. Prior to Sept. 18, 1956, nonrecording gage at bridge 5.6 mi downstream at datum 0.15 ft lower.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by Beaver Creek Reservoir beginning Oct. 11, 1955, and by Patoka Lake beginning Feb. 13, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of 15.9 ft at downstream site, from floodmark furnished by local residents, discharge 16,000 ft³/s.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	48	1520	869	1400	160	1130	649	230	251	e186	63
2	20	45	881	861	1450	190	1040	862	227	276	185	61
3	15	45	292	881	1180	741	1010	818	223	277	185	61
4	13	40	222	883	572	430	984	770	221	276	184	61
5	13	44	277	878	702	230	956	808	219	276	183	61
6	19	60	365	888	942	188	826	922	235	276	183	61
7	20	51	552	892	1080	165	387	1120	227	276	182	61
8	18	45	428	882	1150	149	271	1550	219	276	182	61
9	17	36	377	878	1160	329	287	1730	216	276	182	61
10	17	33	333	880	1160	677	280	1760	213	330	182	61
11	35	33	427	877	1160	322	266	1010	214	273	182	61
12	144	32	529	868	1160	227	271	445	222	271	183	61
13	116	32	840	871	1150	198	1050	1840	219	270	139	61
14	670	32	827	879	1110	173	1420	3120	169	270	107	61
15	504	32	891	903	1080	162	1520	2230	126	270	105	61
16	166	32	852	939	1020	873	1480	1250	123	270	98	62
17	105	33	1700	976	948	817	870	544	122	269	105	62
18	77	32	2700	1030	911	359	481	287	176	269	105	62
19	62	33	2110	1080	894	391	566	425	199	267	106	63
20	53	35	1340	1120	915	1080	885	575	109	274	105	83
21	47	35	606	1140	981	1060	855	589	80	268	105	104
22	41	34	457	1150	794	479	962	655	196	266	104	68
23	53	33	675	1100	386	541	997	719	200	267	105	61
24	493	43	663	1010	189	884	744	628	200	205	114	61
25	668	78	648	858	128	987	620	354	241	112	105	61
26	269	70	673	833	196	1240	763	264	288	176	103	58
27	126	720	655	973	235	1380	892	257	275	183	104	125
28	90	987	782	999	178	1430	1100	249	274	183	103	111
29	72	1360	886	996	---	1370	1150	186	224	184	103	71
30	61	1580	893	1030	---	1280	732	218	201	e186	103	64
31	53	---	880	1170	---	1200	---	235	---	e186	89	---
TOTAL	4079	5713	25281	29594	24231	19712	24795	27069	6088	7711	4207	2033
MEAN	131.6	190.4	815.5	954.6	865.4	635.9	826.5	873.2	202.9	248.7	135.7	67.77
MAX	670	1580	2700	1170	1450	1430	1520	3120	288	330	186	125
MIN	13	32	222	833	128	149	266	186	80	112	89	58
CFSM	0.50	0.73	3.11	3.64	3.30	2.43	3.15	3.33	0.77	0.95	0.52	0.26
IN.	0.58	0.81	3.59	4.20	3.44	2.80	3.52	3.84	0.86	1.09	0.60	0.29

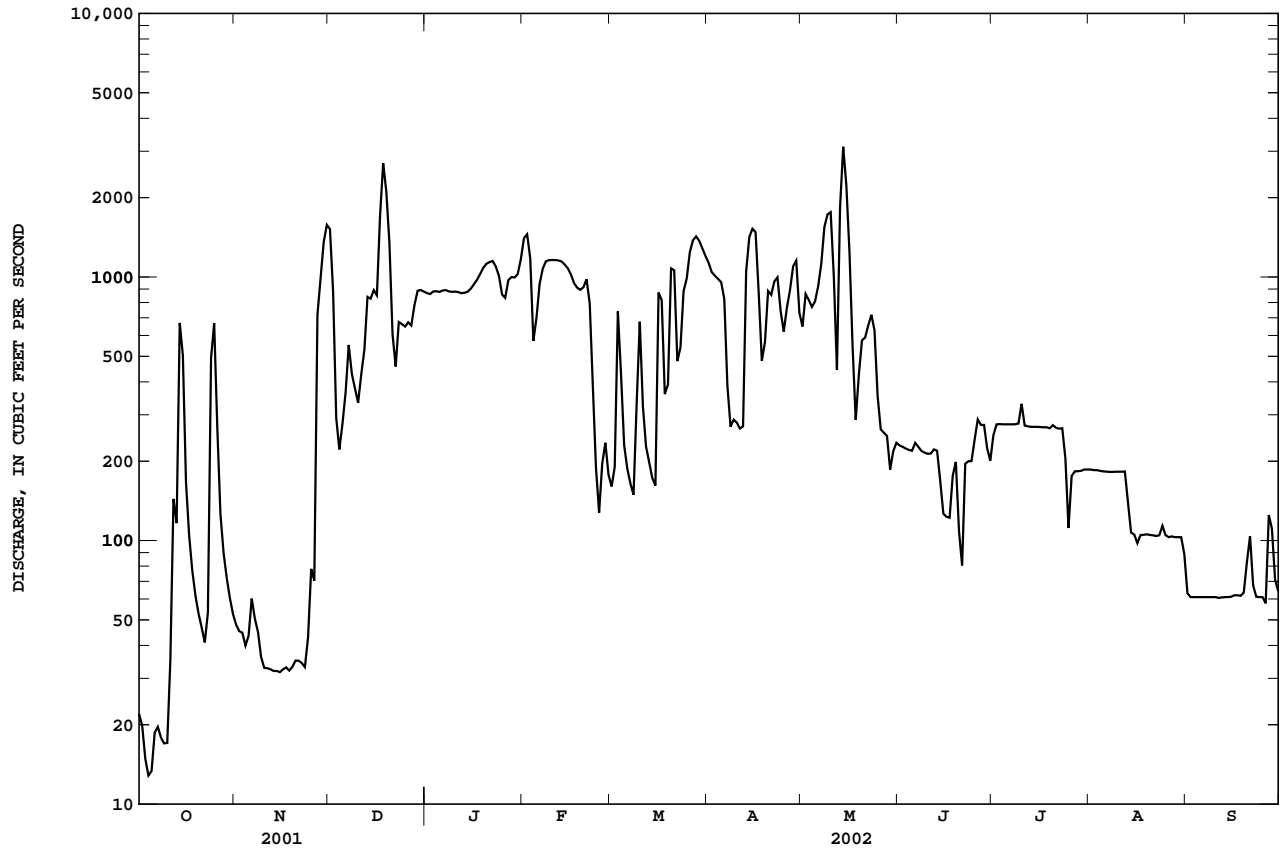
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 2002, BY WATER YEAR (WY)

	MEAN	102.4	227.4	431.9	626.8	669.6	765.7	602.9	428.2	208.2	122.1	101.0	90.46
MAX (WY)	494	800	1506	2742	1898	2543	1574	2034	1044	787	530	484	
MIN (WY)	0.000	0.000	0.17	17.5	27.7	144	54.1	29.8	8.66	0.074	0.000	0.000	
	1949	1954	1954	1964	1964	1992	2001	2001	1953	1954	1952	1953	

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1949 - 2002	
ANNUAL TOTAL	85586		180513			
ANNUAL MEAN	234.5		494.6		363.3	
HIGHEST ANNUAL MEAN					673	
LOWEST ANNUAL MEAN					63.6	
HIGHEST DAILY MEAN	2700	Dec 18	3120	May 14	13500	Mar 11 1964
LOWEST DAILY MEAN	13	Oct 4	13	Oct 4	0.00	Oct 1 1948
ANNUAL SEVEN-DAY MINIMUM	16	Oct 3	16	Oct 3	0.00	Oct 1 1948
MAXIMUM PEAK FLOW			3360		14100	
MAXIMUM PEAK STAGE			15.95		21.20	
ANNUAL RUNOFF (CFSM)	0.89		1.89		1.39	
ANNUAL RUNOFF (INCHES)	12.15		25.63		18.84	
10 PERCENT EXCEEDS	749		1130		1060	
50 PERCENT EXCEEDS	48		270		133	
90 PERCENT EXCEEDS	24		52		7.6	

e Estimated

03375500 PATOKA RIVER AT JASPER, IN--Continued



03375800 HALL CREEK NEAR ST. ANTHONY, IN

LOCATION.--Lat 38°21'45", long 86°49'43", in NW¹/₄NW¹/₄ sec.11, T.2 S., R.4 W., Dubois County, Hydrologic Unit 05120209, (SAINT ANTHONY, IN quadrangle), on right bank 10 ft downstream of bridge on County Road 125 South, 0.7 mi upstream from Grassy Fork, 3.3 mi north of St. Anthony, and at mile 4.1.

DRAINAGE AREA.--21.8 mi².

PERIOD OF RECORD.--October 1970 to December 2001 (discontinued).

REVISED RECORDS.--WDR IN-75-1: 1971-74.

GAGE.--Water-stage recorder. Datum of gage is 456.22 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources). Prior to Oct. 1, 1997 at datum 3.00 ft higher.

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.23	11	73	---	---	---	---	---	---	---	---	---
2	0.22	9.7	44	---	---	---	---	---	---	---	---	---
3	0.22	8.3	30	---	---	---	---	---	---	---	---	---
4	0.20	7.3	22	---	---	---	---	---	---	---	---	---
5	0.51	6.5	16	---	---	---	---	---	---	---	---	---
6	4.3	5.7	91	---	---	---	---	---	---	---	---	---
7	1.7	5.3	58	---	---	---	---	---	---	---	---	---
8	0.83	4.8	54	---	---	---	---	---	---	---	---	---
9	0.54	4.2	36	---	---	---	---	---	---	---	---	---
10	0.51	4.1	26	---	---	---	---	---	---	---	---	---
11	6.4	3.8	19	---	---	---	---	---	---	---	---	---
12	39	3.4	79	---	---	---	---	---	---	---	---	---
13	17	3.3	114	---	---	---	---	---	---	---	---	---
14	225	3.3	153	---	---	---	---	---	---	---	---	---
15	38	3.1	67	---	---	---	---	---	---	---	---	---
16	26	2.9	471	---	---	---	---	---	---	---	---	---
17	19	2.7	1350	---	---	---	---	---	---	---	---	---
18	15	2.7	168	---	---	---	---	---	---	---	---	---
19	12	3.6	70	---	---	---	---	---	---	---	---	---
20	9.2	5.7	43	---	---	---	---	---	---	---	---	---
21	7.5	3.8	32	---	---	---	---	---	---	---	---	---
22	6.8	3.4	28	---	---	---	---	---	---	---	---	---
23	257	3.3	82	---	---	---	---	---	---	---	---	---
24	333	24	41	---	---	---	---	---	---	---	---	---
25	102	24	30	---	---	---	---	---	---	---	---	---
26	40	14	23	---	---	---	---	---	---	---	---	---
27	27	117	20	---	---	---	---	---	---	---	---	---
28	20	389	18	---	---	---	---	---	---	---	---	---
29	17	506	15	---	---	---	---	---	---	---	---	---
30	15	255	e11	---	---	---	---	---	---	---	---	---
31	13	---	e9.4	---	---	---	---	---	---	---	---	---
TOTAL	1254.16	1440.9	3293.4	---	---	---	---	---	---	---	---	---
MEAN	40.46	48.03	106.2	---	---	---	---	---	---	---	---	---
MAX	333	506	1350	---	---	---	---	---	---	---	---	---
MIN	0.20	2.7	9.4	---	---	---	---	---	---	---	---	---
CFSM	1.86	2.20	4.87	---	---	---	---	---	---	---	---	---
IN.	2.14	2.46	5.62	---	---	---	---	---	---	---	---	---

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

	8.573	31.65	41.58	40.78	55.00	57.54	52.81	34.02	22.07	19.26	11.17	10.30
MEAN	8.573	31.65	41.58	40.78	55.00	57.54	52.81	34.02	22.07	19.26	11.17	10.30
MAX	40.5	147	125	154	131	131	142	153	73.7	247	52.5	68.0
(WY)	2002	1980	1991	1982	1985	1989	1972	1983	1979	1979	1979	1986
MIN	0.003	0.22	3.28	0.17	4.96	13.9	5.82	0.35	0.003	0.32	0.040	0.000
(WY)	1988	2000	1977	1977	1992	1981	2001	1988	1988	1983	1991	1999

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

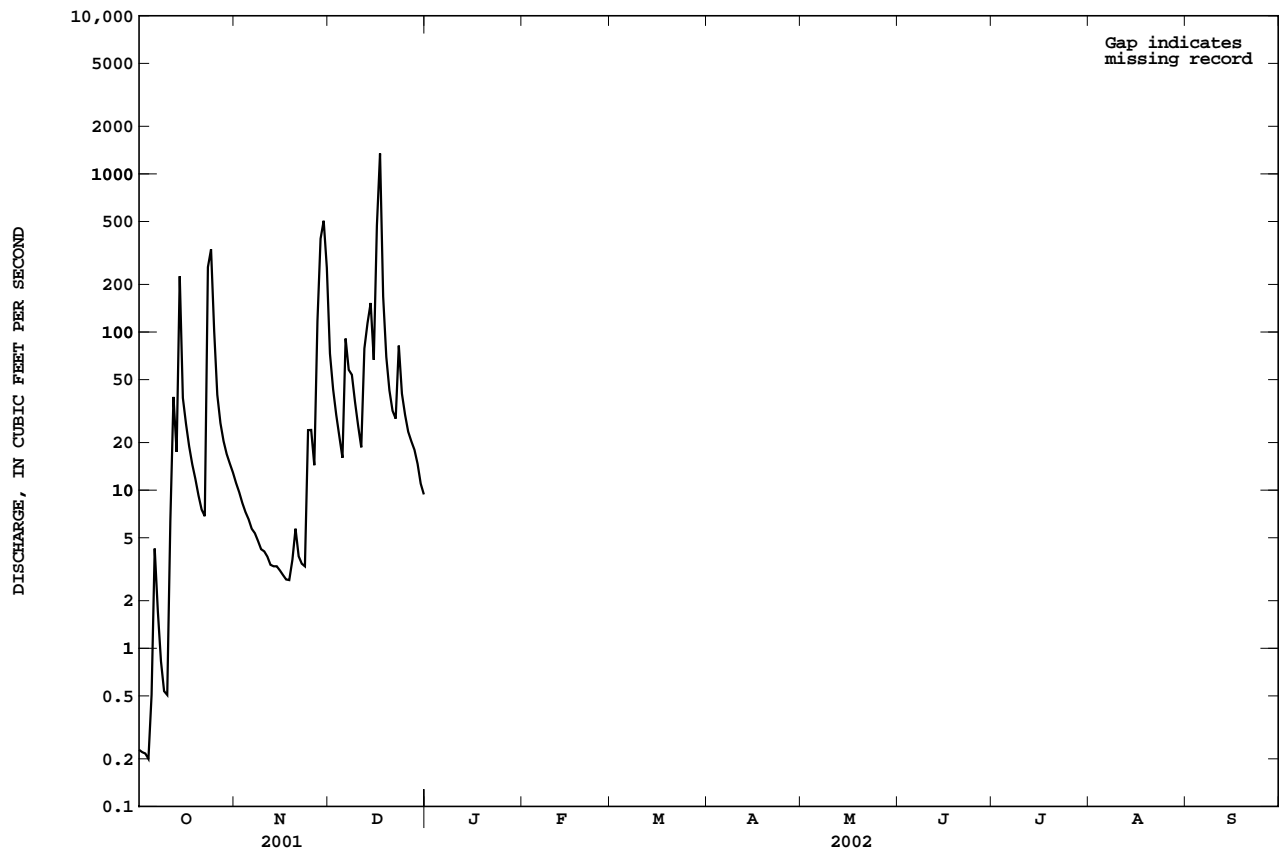
FOR 2002 WATER YEAR

WATER YEARS 1971 - 2002

ANNUAL TOTAL	9423.91	5988.46	
ANNUAL MEAN	25.82	65.09	31.88
HIGHEST ANNUAL MEAN			78.4 1979
LOWEST ANNUAL MEAN			11.5 1992
HIGHEST DAILY MEAN	1350 Dec 17	1350 Dec 17	5110 Jul 26 1979
LOWEST DAILY MEAN	0.02 Aug 8	0.20 Oct 4	0.00 Jun 23 1972
ANNUAL SEVEN-DAY MINIMUM	0.08 Aug 25	1.1 Oct 1	0.00 Jun 23 1972
MAXIMUM PEAK FLOW		1860 Dec 17	11500 Jul 26 1979
MAXIMUM PEAK STAGE		14.37 Dec 17	15.30 Jul 26 1979
ANNUAL RUNOFF (CFSM)	1.18	2.99	1.46
ANNUAL RUNOFF (INCHES)	16.08	10.22	19.87
10 PERCENT EXCEEDS	45	164	61
50 PERCENT EXCEEDS	5.9	16	6.9
90 PERCENT EXCEEDS	0.31	2.0	0.27

e Estimated

03375800 HALL CREEK NEAR ST. ANTHONY, IN--Continued



03376300 PATOKA RIVER AT WINSLOW, IN

LOCATION.--Lat 38°22'48", long 87°13'00", in SW¹/₄SW¹/₄ sec.32, T.1 S., R.7 W., Pike County, Hydrologic Unit 05120209, (WINSLOW, IN quadrangle), on right bank at abandoned bridge abutment, 65 ft upstream from bridge on State Highway 61, 100 ft downstream from dam of Winslow Water Company, and 41.3 mi above mouth.

DRAINAGE AREA.--603 mi².

PERIOD OF RECORD.--October 1963 to September 1974, May 1986 to current year. Discharge measurements and gage readings June 1961 to September 1963, obtained by State of Indiana, Department of Natural Resources, are available in the district office.

GAGE.--Water-stage recorder. Datum of gage is 400.00 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources). Prior to Nov. 21, 1963, nonrecording gage on downstream side of bridge 65 ft downstream at same datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by Patoka Lake. Minor diversion by municipal water supply 100 ft above gage.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in January 1937 reached a stage of 28.9 ft, from floodmarks, information from State of Indiana, Department of Natural Resources.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	435	2920	1190	2500	492	2560	2390	705	250	182	121
2	37	222	3260	1120	2400	431	2450	2590	514	237	180	108
3	36	152	3700	1070	2480	1020	2340	2740	406	284	180	84
4	36	126	3800	1030	2690	1240	2190	2770	353	300	180	69
5	36	113	3540	998	2820	1280	2030	2630	352	297	178	65
6	35	104	3020	987	2730	1180	1880	2520	516	294	177	64
7	60	99	2490	977	2470	904	1710	2610	592	292	173	63
8	66	106	2100	964	2160	608	1510	3330	489	293	172	63
9	50	104	1830	960	1940	698	1350	4180	384	290	173	63
10	43	96	1580	970	1770	1370	1090	4540	337	309	174	64
11	47	90	1290	979	1640	1380	858	4480	307	366	174	64
12	237	83	1080	973	1540	1320	715	4190	320	347	173	62
13	551	79	1370	962	1460	1110	2060	6430	370	297	176	62
14	1100	77	1720	951	1380	846	2560	7900	414	288	180	65
15	1450	76	1910	944	1320	635	2920	8620	360	289	154	65
16	1450	75	2010	934	1260	1620	3790	8410	251	281	130	66
17	1370	75	3840	935	1210	1770	5160	7340	189	276	124	72
18	1060	76	5040	944	1160	1760	5240	6180	170	275	120	78
19	673	74	6910	966	1110	1910	4610	5140	165	276	122	74
20	347	75	7510	991	1090	2620	3940	4140	200	278	127	86
21	198	82	6980	1010	1130	2530	3440	3180	209	278	129	187
22	138	85	6090	1030	1110	2430	3070	2380	150	281	125	246
23	117	80	5180	1050	1080	2500	2710	1880	132	279	123	147
24	822	110	4350	1440	937	2530	2470	1560	199	280	125	93
25	1640	e351	3540	1590	648	2420	2340	1350	372	265	137	74
26	1630	e467	2780	1560	466	2760	2230	1160	467	190	133	71
27	1650	e1350	2280	1550	602	2790	2210	981	466	144	124	97
28	1680	e1910	1920	1520	602	2660	2590	793	375	172	122	407
29	1580	e2690	1650	1460	---	2570	2550	678	356	183	121	355
30	1240	2950	1450	1440	---	2690	2450	767	311	181	121	156
31	819	---	1300	1620	---	2660	---	879	---	182	121	---
TOTAL	20235	12412	98440	35115	43705	52734	77023	108738	10431	8254	4630	3291
MEAN	652.7	413.7	3175	1133	1561	1701	2567	3508	347.7	266.3	149.4	109.7
MAX	1680	2950	7510	1620	2820	2790	5240	8620	705	366	182	407
MIN	35	74	1080	934	466	431	715	678	132	144	120	62
CFSM	1.08	0.69	5.27	1.88	2.59	2.82	4.26	5.82	0.58	0.44	0.25	0.18
IN.	1.25	0.77	6.07	2.17	2.70	3.25	4.75	6.71	0.64	0.51	0.29	0.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2002, BY WATER YEAR (WY)

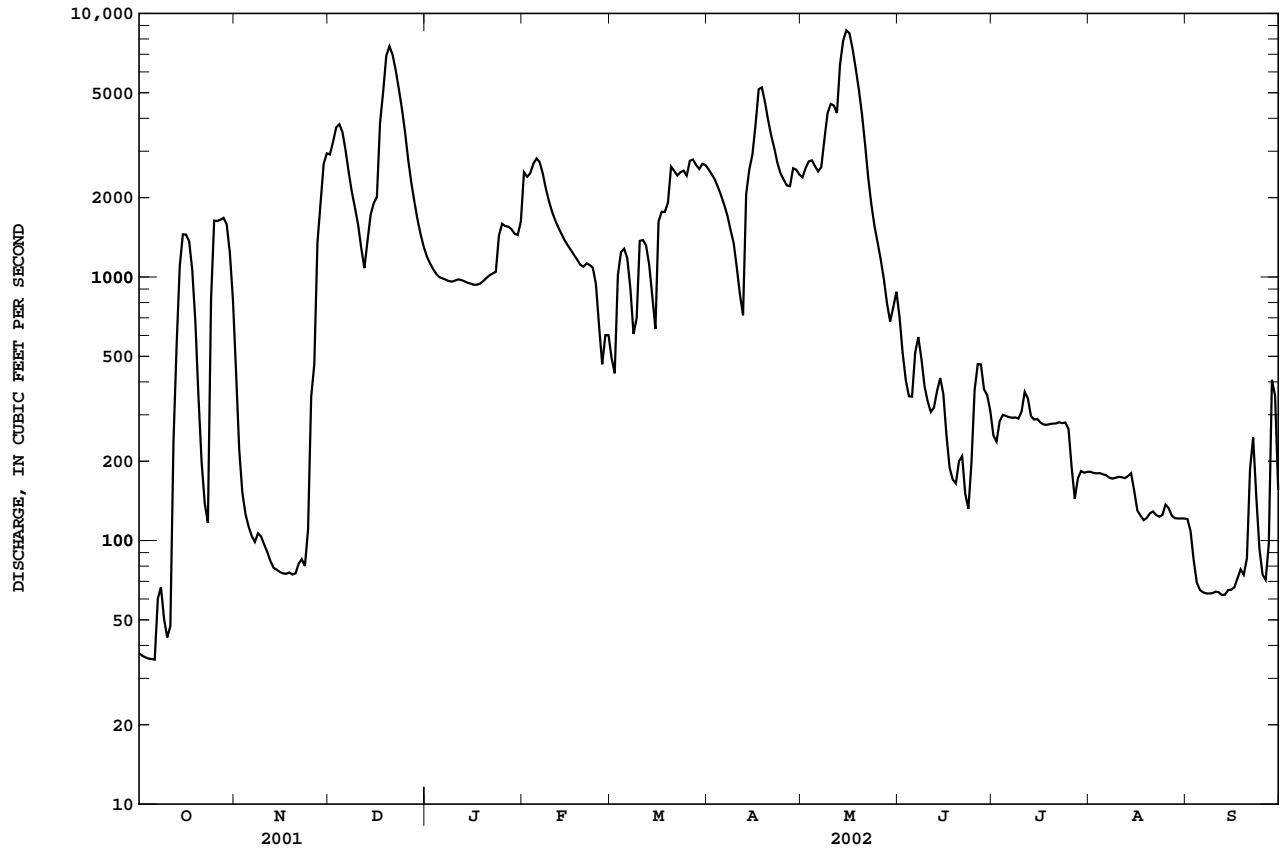
MEAN	168.9	384.0	840.3	1060	1359	1571	1412	1163	561.4	300.8	188.0	184.0
MAX	653	2218	3175	2576	2832	5126	3426	4863	2958	1305	865	708
(WY)	2002	1994	2002	1991	1991	1964	1972	1996	1996	1969	2000	1996
MIN	2.84	6.83	13.8	56.3	45.5	428	131	85.7	13.4	13.5	7.46	0.94
(WY)	1965	1964	1964	1964	1964	1969	2001	1988	1972	1966	1965	1972

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1964 - 2002

ANNUAL TOTAL	244458	475008	
ANNUAL MEAN	669.7	1301	762.3
HIGHEST ANNUAL MEAN			1332
LOWEST ANNUAL MEAN			224
HIGHEST DAILY MEAN	7510	Dec 20	8620
LOWEST DAILY MEAN	30	Jul 20	35
ANNUAL SEVEN-DAY MINIMUM	34	Jul 14	40
MAXIMUM PEAK FLOW			8840
MAXIMUM PEAK STAGE			26.31
ANNUAL RUNOFF (CFSM)	1.11		2.16
ANNUAL RUNOFF (INCHES)	15.08		29.30
10 PERCENT EXCEEDS	1640		2930
50 PERCENT EXCEEDS	152		858
90 PERCENT EXCEEDS	44		79

e Estimated

03376300 PATOKA RIVER AT WINSLOW, IN--Continued



WABASH RIVER BASIN

03376350 SOUTH FORK PATOKA RIVER NEAR SPURGEON, IN

LOCATION.--Lat 38°17'49", long 87°15'37", in NW¼/SW¼ sec. 36, T. 2 S., R. 8 W., Pike County, Hydrologic Unit 05120209, (OAKLAND CITY, IN quadrangle), on the left bank, 150 ft upstream of the bridge on State Road 61, 0.5 mi north of Enos Corner, and 3.1 mi north of Spurgeon, IN.

DRAINAGE AREA.--42.8 mi².

PERIOD OF RECORD.--October 1964 to October 1986. October 1998 to current year.

GAGE.--Water-stage recorder. Datum of gage is 420.88 ft above National Geodetic Vertical Datum of 1929 (Indiana Flood Control and Water Resources Commission bench mark).

REMARKS.--Records fair except for estimated daily discharges, which are poor. Runoff affected by un-reclaimed surface mined lands.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.9	20	121	e67	455	28	97	245	47	23	13	7.3
2	4.2	21	75	e66	125	79	88	278	44	22	11	7.4
3	4.3	23	59	e65	87	125	87	141	41	21	11	7.4
4	4.2	20	44	e64	69	62	73	100	38	20	11	7.2
5	7.2	26	35	65	58	45	66	84	47	20	11	6.5
6	9.2	24	80	71	55	37	64	180	65	18	10	6.9
7	5.6	18	76	70	52	32	57	165	45	18	9.6	6.5
8	5.0	16	60	65	43	28	59	821	38	17	8.9	6.4
9	4.9	15	43	70	38	231	134	332	34	16	9.1	6.4
10	5.1	18	33	74	37	127	79	156	32	20	9.1	6.9
11	34	14	27	72	32	78	67	124	31	18	9.0	6.5
12	59	13	86	68	31	71	75	144	35	20	8.9	6.1
13	26	12	149	67	28	62	474	1450	68	17	11	6.1
14	240	13	232	68	27	51	499	443	50	16	17	7.0
15	50	17	111	63	28	76	212	194	43	17	14	7.7
16	29	14	285	60	26	295	122	137	36	16	12	7.6
17	16	13	1540	59	24	105	108	123	32	15	10	7.2
18	13	12	486	53	22	79	97	112	30	17	9.9	11
19	10	14	232	60	22	329	86	96	29	16	11	8.3
20	9.3	16	164	56	48	431	88	85	30	15	10	32
21	9.4	13	138	58	43	164	208	80	27	16	9.5	20
22	10	17	129	47	31	105	197	76	24	15	9.7	10
23	54	14	172	44	28	102	99	71	24	19	9.0	7.2
24	248	80	123	214	27	82	89	67	25	16	9.1	6.5
25	147	53	106	85	25	105	93	71	26	14	8.8	6.0
26	62	46	95	63	46	499	70	75	28	15	8.5	7.3
27	36	371	90	49	e32	177	177	68	25	15	9.3	62
28	27	339	87	44	e29	116	400	60	47	14	8.2	14
29	24	482	81	41	---	325	134	58	28	14	7.7	8.9
30	30	378	e69	87	---	256	96	59	25	15	7.4	7.5
31	21	---	e68	186	---	123	---	52	---	15	7.3	---
TOTAL	1208.3	2132	5096	2221	1568	4425	4195	6147	1094	530	311.0	317.8
MEAN	38.98	71.07	164.4	71.65	56.00	142.7	139.8	198.3	36.47	17.10	10.03	10.59
MAX	248	482	1540	214	455	499	499	1450	68	23	17	62
MIN	3.9	12	27	41	22	28	57	52	24	14	7.3	6.0
CFSM	0.91	1.66	3.84	1.67	1.31	3.34	3.27	4.63	0.85	0.40	0.23	0.25
IN.	1.05	1.85	4.43	1.93	1.36	3.85	3.65	5.34	0.95	0.46	0.27	0.28

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

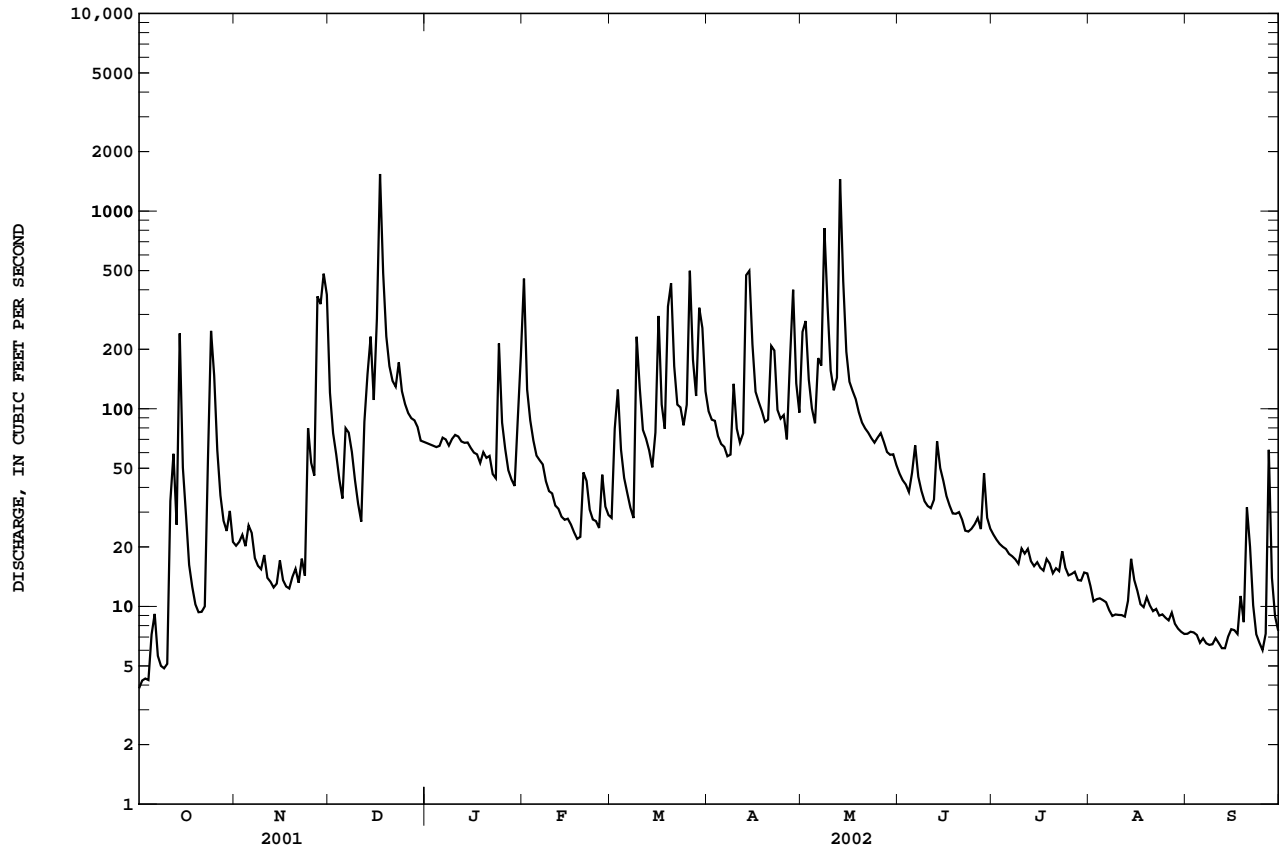
	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
MEAN	16.11	39.04	61.71	59.67	81.56	94.19	88.04	69.32	43.55	31.82	23.52	17.42				
MAX	39.0	136	164	186	229	188	223	263	227	283	127	72.7				
(WY)	2002	1986	2002	1982	1985	1975	1983	1983	1979	1979	1979	1982				
MIN	3.35	5.51	4.84	0.81	26.1	21.2	19.4	12.5	11.0	6.02	6.83	5.00				
(WY)	1965	2000	1977	1977	1978	1981	2001	1965	1972	1966	1999	1972				

SUMMARY STATISTICS

	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1965 - 2002
ANNUAL TOTAL	15714.9	29245.1	
ANNUAL MEAN	43.05	80.12	52.00
HIGHEST ANNUAL MEAN			118
LOWEST ANNUAL MEAN			25.3
HIGHEST DAILY MEAN	1540	Dec 17	3640
LOWEST DAILY MEAN	3.4	Sep 29	0.00
ANNUAL SEVEN-DAY MINIMUM	3.8	Sep 27	0.00
MAXIMUM PEAK FLOW		1990	5900
MAXIMUM PEAK STAGE		13.05	15.07
ANNUAL RUNOFF (CFSM)	1.01	1.87	1.21
ANNUAL RUNOFF (INCHES)	13.66	25.42	16.51
10 PERCENT EXCEEDS	84	177	112
50 PERCENT EXCEEDS	17	41	22
90 PERCENT EXCEEDS	5.7	8.4	6.4

e Estimated

03376350 SOUTH FORK PATOKA RIVER NEAR SPURGEON, IN--Continued



03376500 PATOKA RIVER NEAR PRINCETON, IN

LOCATION.--Lat 38°23'25", long 87°32'55", in sec. 107, T.1 S., R.10 W., Gibson County, Hydrologic Unit 05120209, (PATOKA, IN quadrangle), on right downstream side of bridge on State Highway 65, 0.5 mi downstream from Indian Creek, 2 mi northeast of Princeton, and at mile 21.4.

DRAINAGE AREA.--822 mi².

PERIOD OF RECORD.--August 1934 to current year. Published as "at Patoka" August 1934 to September 1940. Records published for both sites October 1939 to September 1940 (monthly discharge only at present site, for October, November 1939, published in WSP 1305).

REVISED RECORDS.--WSP 1275: 1952. WSP 1335: 1935-36, 1938-39, 1949(M), 1940-50. WSP 1385: 1951-52. WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 390.00 ft above National Geodetic Vertical Datum of 1929. Jan. 21, 1941 to Oct. 23, 1986, water-stage recorder at dam 0.1 mi downstream and at datum 4.14 ft higher. See WSP 1725 for history of changes prior to Jan. 21, 1941.

REMARKS.--Records good. Flow regulated by Patoka Lake.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	1330	3320	2840	2650	728	3580	3750	1320	394	251	119
2	44	764	3540	2540	2610	643	3500	3860	1070	340	251	118
3	38	422	3660	2290	2740	1210	3400	3740	794	349	248	105
4	35	291	3700	2030	2830	1540	3290	3660	644	389	245	83
5	37	236	3710	1790	2890	1600	3170	3570	889	395	244	72
6	50	203	3780	1640	2950	1600	3050	3570	1200	389	244	68
7	50	185	3830	1520	2990	1450	2900	3660	982	382	238	66
8	74	175	3790	1430	3010	1090	2770	4180	825	374	233	68
9	79	176	3590	1390	2990	1230	2650	4480	649	371	232	65
10	60	164	3350	1390	2910	1710	2480	4590	539	397	233	66
11	94	153	3100	1380	2780	1760	2260	4700	489	424	232	63
12	481	141	2870	1350	2630	1790	1960	4840	490	461	232	63
13	653	137	2720	1320	2470	1770	2320	8590	564	409	236	62
14	1940	127	2790	1290	2310	1580	2660	9510	619	373	253	63
15	1890	122	2720	1250	2140	1240	2850	10000	567	371	245	70
16	1830	124	2750	1220	1980	2080	3050	10300	457	367	191	73
17	1800	118	4050	1200	1830	2110	3220	10400	354	358	153	72
18	1700	110	4580	1190	1710	2200	3420	10100	309	356	137	85
19	1360	112	5070	1200	1600	2400	3690	9280	276	362	130	94
20	820	117	5530	1230	1560	2790	4050	8050	279	360	139	566
21	439	118	6020	1250	1520	2880	4320	6870	321	356	141	390
22	277	125	6790	1270	1480	3010	4510	5930	298	357	137	305
23	308	127	7070	1300	1440	3110	4400	5150	213	365	132	263
24	1680	223	6690	1830	1370	3130	4240	4530	250	362	128	165
25	2120	554	6180	1910	1140	3130	4040	3900	566	355	134	110
26	2030	670	5630	1940	837	3490	3760	3370	573	320	144	91
27	2020	1990	5010	1950	762	3590	3650	2980	658	229	136	188
28	2020	2280	4570	1940	813	3670	3900	2610	578	211	127	311
29	2020	2800	4060	1920	---	3700	3810	2210	519	243	124	504
30	1980	3180	3560	1980	---	3690	3750	1740	466	247	123	314
31	1820	---	3170	2180	---	3640	---	1460	---	247	120	---
TOTAL	29807	17274	131200	50960	58942	69561	100650	165580	17758	10913	5813	4682
MEAN	961.5	575.8	4232	1644	2105	2244	3355	5341	591.9	352.0	187.5	156.1
MAX	2120	3180	7070	2840	3010	3700	4510	10400	1320	461	253	566
MIN	35	110	2720	1190	762	643	1960	1460	213	211	120	62
CFSM	1.17	0.70	5.15	2.00	2.56	2.73	4.08	6.50	0.72	0.43	0.23	0.19
IN.	1.35	0.78	5.94	2.31	2.67	3.15	4.55	7.49	0.80	0.49	0.26	0.21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2002, BY WATER YEAR (WY)

	MEAN	257.4	516.1	1018	1517	1803	2193	1955	1527	812.7	444.6	315.3	229.6
MAX	2573	2978	4232	8365	5570	8531	4664	6810	4322	3075	3915	1125	
(WY)	1946	1994	2002	1937	1950	1945	1989	1961	1996	1958	1979	1979	
MIN	1.53	9.83	10.2	44.3	64.2	61.5	240	117	7.93	15.0	4.60	8.12	
(WY)	1943	1944	1944	1944	1964	1941	2001	1941	1936	1944	1936	1942	

SUMMARY STATISTICS

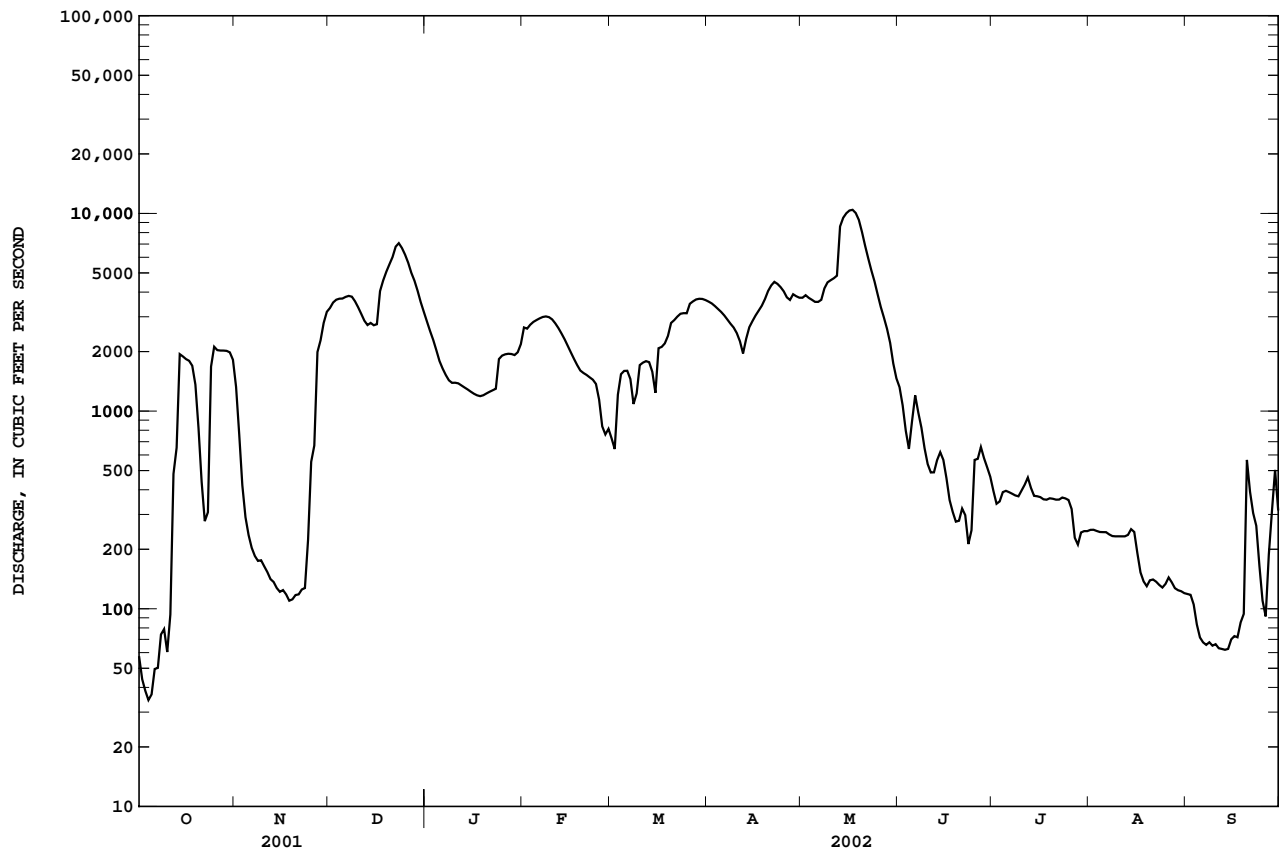
FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

WATER YEARS 1935 - 2002

ANNUAL TOTAL	339565	663140		
ANNUAL MEAN	930.3	1817	1045	
HIGHEST ANNUAL MEAN			2080	1950
LOWEST ANNUAL MEAN			151	1954
HIGHEST DAILY MEAN	7070	Dec 23	10400	May 17
LOWEST DAILY MEAN	35	Oct 4	35	Oct 4
ANNUAL SEVEN-DAY MINIMUM	45	Oct 1	45	Oct 1
MAXIMUM PEAK FLOW			10500	May 17
MAXIMUM PEAK STAGE			23.17	May 17
ANNUAL RUNOFF (CFSM)	1.13		2.21	1.27
ANNUAL RUNOFF (INCHES)	15.37		30.01	17.28
10 PERCENT EXCEEDS	2320		3960	2840
50 PERCENT EXCEEDS	287		1300	386
90 PERCENT EXCEEDS	67		119	29

03376500 PATOKA RIVER NEAR PRINCETON, IN--Continued



WABASH RIVER BASIN

373

03377500 WABASH RIVER AT MOUNT CARMEL, IL

LOCATION.--Lat 38°24'07", long 87°45'10", in SE¹/₄NW¹/₄ sec.28, T.1 S., R.12 W., Wabash County, Illinois, Hydrologic Unit 05120113, (MOUNT CARMEL, IL-IN quadrangle), on right bank on downstream side of Southern Railway bridge at Mount Carmel, 0.2 mi downstream from Patoka River, 0.2 mi upstream of State Road 64 bridge, and at mile 94.4.

DRAINAGE AREA.--28,635 mi².

PERIOD OF RECORD.--January 1908 to September 1913 (gage heights only), October 1927 to current year. Gage-height records collected in this vicinity November 1874 to December 1878, are contained in files of Louisville office of the U.S. Army Corps of Engineers and since June 1884, are contained in reports of National Weather Service.

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

GAGE.--Water-stage recorder. Datum of gage is 369.46 ft above National Geodetic Vertical Datum of 1929. Oct. 1, 1949, to Feb. 8, 1977, at datum 2.00 ft higher. See WSP 1725 for history of changes prior to Sept. 30, 1949.

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

EXTREMES OUTSIDE THE PERIOD OF RECORD.--(1874-78, 1884 to 1985) Maximum discharge, 428,000 ft³/s Mar. 30, 1913, gage height, 33.0 ft, present site and datum.

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

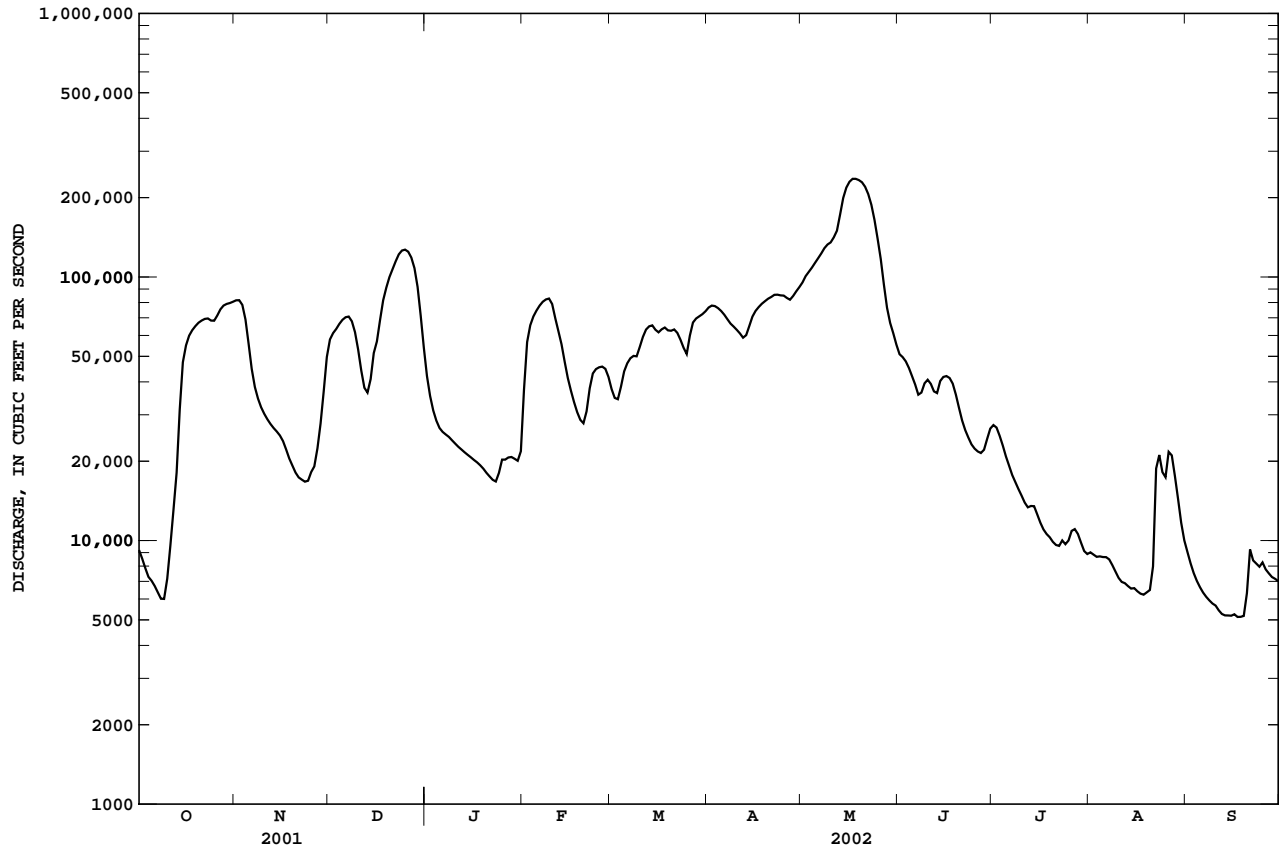
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9200	81600	57900	42100	37300	37500	76600	95400	50900	27400	9020	9040
2	8540	81600	61200	35400	56600	34800	77900	101000	49700	26800	8840	8200
3	7850	78400	63500	31200	65600	34400	77600	105000	47800	25000	8670	7530
4	7280	69000	66400	28500	70800	38400	76200	109000	45200	22900	8710	7030
5	7040	55800	68800	26700	74600	43800	74300	113000	42100	20800	8660	6650
6	6720	44800	70400	25800	77900	47000	71900	118000	39100	19200	8650	6350
7	6350	38200	70800	25300	80500	49200	69200	123000	35800	17700	8480	6120
8	6010	34600	67900	24700	82200	50200	66500	129000	36400	16700	8070	5930
9	6000	32000	61800	24000	82800	50000	64800	133000	39500	15700	7630	5770
10	7170	30300	53100	23300	79000	54300	63000	135000	40700	14800	7220	5660
11	9560	28800	44200	22700	69700	59300	61100	141000	39300	13900	6970	5440
12	13100	27700	38000	22200	62300	63200	58800	150000	36800	13400	6890	5260
13	18100	26700	36400	21600	55500	65000	60200	172000	36300	13500	6720	5200
14	31400	25900	41000	21100	47700	65500	65200	199000	40300	13500	6570	5200
15	47500	25000	51400	20700	41400	63100	70700	218000	41800	12600	6600	5190
16	55000	23800	56900	20200	37000	61700	74300	230000	42100	11700	6420	5250
17	59900	22200	68600	19800	33500	63300	76900	236000	41400	11000	6290	5130
18	62800	20500	81600	19300	30700	64300	79100	236000	39400	10600	6230	5130
19	65100	19200	91100	18700	28700	62700	81000	233000	35800	10300	6360	5180
20	67000	18100	99900	18100	27900	62500	82700	229000	31900	9890	6490	6320
21	68400	17400	107000	17500	30900	63200	84000	220000	28500	9620	7980	9250
22	69300	17000	115000	17000	37800	61400	85600	206000	26200	9540	18800	8400
23	69600	16700	122000	16800	43000	57800	85700	188000	24600	10000	21100	8180
24	68300	16900	126000	18100	44700	53900	85200	165000	23200	9690	18200	7960
25	68200	18200	127000	20300	45400	51000	85000	140000	22300	10000	17400	8260
26	71400	19100	125000	20300	45700	59900	83300	117000	21800	10900	21700	7770
27	75400	22400	119000	20700	44800	67200	82000	93700	21500	11000	21000	7510
28	77900	27800	108000	20800	41700	69600	84700	76400	22100	10600	17600	7270
29	79000	36700	91700	20400	---	70900	88200	67000	24300	9810	14400	7160
30	79600	49700	71300	20100	---	72300	91600	61200	26600	9130	11700	7010
31	80500	---	53800	21800	---	74100	---	55400	---	8890	10000	---
TOTAL	1309220	1026100	2416700	705200	1475700	1771500	2283300	4595100	1053400	436570	329370	200350
MEAN	42230	34200	77960	22750	52700	57150	76110	148200	35110	14080	10620	6678
MAX	80500	81600	127000	42100	82800	74100	91600	236000	50900	27400	21700	9250
MIN	6000	16700	36400	16800	27900	34400	58800	55400	21500	8890	6230	5130
CFSM	1.47	1.19	2.72	0.79	1.84	2.00	2.66	5.18	1.23	0.49	0.37	0.23
IN.	1.70	1.33	3.14	0.92	1.92	2.30	2.97	5.97	1.37	0.57	0.43	0.26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2002, BY WATER YEAR (WY)

	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940
MEAN	9789	15620	25860	37090	41190	49900	50240	42820	28910	19310	12070	8962	
MAX	42230	87950	92340	199300	147100	108700	106400	148200	80120	73580	75530	50670	
(WY)	2002	1994	1986	1950	1950	1985	1938	2002	1998	1958	1979	1989	
MIN	2465	2632	2266	2861	3758	4815	11900	5805	5035	3366	2372	2572	
(WY)	1941	1931	1964	1977	1931	1941	1941	1934	1988	1936	1936	1940	

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1928 - 2002
ANNUAL TOTAL	10853830	17602510	
ANNUAL MEAN	29740	48230	28410
HIGHEST ANNUAL MEAN			56740
LOWEST ANNUAL MEAN			6144
HIGHEST DAILY MEAN	127000	Dec 25	302000
LOWEST DAILY MEAN	5850	Aug 18	1650
ANNUAL SEVEN-DAY MINIMUM	6020	Aug 14	1700
MAXIMUM PEAK FLOW		237000	305000
MAXIMUM PEAK STAGE		32.35	32.35
ANNUAL RUNOFF (CFSM)	1.04	1.68	0.99
ANNUAL RUNOFF (INCHES)	14.10	22.87	13.48
10 PERCENT EXCEEDS	67100	92500	68100
50 PERCENT EXCEEDS	20500	37000	16600
90 PERCENT EXCEEDS	8020	7250	4380

03377500 WABASH RIVER AT MOUNT CARMEL, IL--Continued



03378500 WABASH RIVER AT NEW HARMONY, IN

LOCATION.--Lat 38°07'53", long 87°56'32" in SE¹/₄SE¹/₄ sec.35, T.4 S., R.14 W., Posey County, Hydrologic Unit 05120113, (NEW HARMONY, IN quadrangle), at bridge on State Highway 66 at New Harmony, at Indiana-Illinois state line, 2.3 mi downstream from (Wabash River including Black River, Hoggatt 1975), and at mile 53.1.

DRAINAGE AREA.--29,234 mi².

WATER STAGE RECORDS

PERIOD OF RECORD.--August 1988 to current year. Water discharge published October 1938 to September 1947.

GAGE.--Water-stage recorder. Datum of gage is 353.20 ft above National Geodetic Vertical Datum of 1929. (Prior to October 1992, erroneously published as 353.30 ft above National Geodetic Vertical Datum of 1929).

REMARKS.--Water-quality data collected (by USGS Kentucky district) October 1974 to 1986; 1999 to current year.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 23.84 ft. May 26, 1943. Beginning August 1988, minimum gage height 0.46 ft. Oct. 12, 1988.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1913 reached a stage of 27.7 ft. Flood of Jan. 31, 1937, reached a stage of 24.4 ft.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 21.79 ft, May 18; minimum gage height, 1.17 ft, Sept. 15, 19, and 20.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.40	15.57	12.43	---	8.88	8.61	14.97	16.39	12.13	6.65	2.39	2.47
2	2.29	15.57	13.01	---	12.03	8.03	15.09	16.71	11.64	6.48	2.33	2.21
3	2.11	15.37	13.35	---	13.51	7.93	15.11	16.97	11.17	6.11	2.29	2.01
4	1.95	14.48	13.75	---	14.31	8.64	14.99	17.17	10.63	5.67	2.28	1.85
5	1.88	12.65	14.01	6.65	14.75	9.62	14.84	17.41	10.33	5.23	2.26	1.73
6	1.79	10.47	14.30	6.39	15.06	10.25	14.61	17.69	9.58	4.87	2.25	1.63
7	1.69	8.89	14.39	6.20	15.25	10.65	14.29	17.93	8.71	4.52	2.23	1.54
8	1.59	8.01	14.10	6.03	15.45	10.89	13.95	18.45	8.71	4.27	2.13	1.47
9	1.55	7.43	13.29	5.85	15.51	11.17	13.66	18.60	9.22	4.05	2.00	1.41
10	1.81	7.00	11.93	5.69	15.33	11.75	13.39	18.73	9.46	3.85	1.87	1.39
11	2.49	6.67	10.23	5.53	14.58	12.53	13.03	18.85	9.23	3.65	1.77	1.31
12	3.25	6.41	8.97	5.39	13.55	13.15	12.85	19.27	8.76	3.50	1.73	1.25
13	4.34	6.19	8.63	5.27	12.45	13.46	12.99	19.80	8.61	3.53	1.69	1.21
14	7.31	5.99	9.99	5.13	10.99	13.56	13.88	20.55	9.33	3.53	1.63	1.21
15	10.25	5.81	11.41	5.03	9.65	13.41	14.36	21.16	9.63	3.31	1.63	1.19
16	11.61	5.57	12.63	4.93	8.67	13.33	14.73	21.24	9.69	3.10	1.57	1.23
17	12.51	5.22	14.91	4.82	7.89	13.41	14.93	21.72	9.56	2.91	1.52	1.22
18	13.04	4.87	15.71	4.71	7.27	13.47	15.08	21.72	9.19	3.01	1.51	1.19
19	13.45	4.57	16.31	4.59	6.83	13.65	15.33	21.59	8.52	2.75	1.54	1.17
20	13.71	4.33	16.77	4.43	6.63	13.71	15.43	21.49	7.72	2.63	1.59	1.79
21	13.97	4.14	17.07	4.29	7.15	13.61	15.65	21.32	7.01	2.57	1.65	2.59
22	14.12	4.06	17.37	4.17	8.47	13.29	15.75	20.91	6.49	2.55	4.45	2.27
23	14.45	3.99	17.88	4.13	9.45	12.77	15.79	20.45	6.11	2.63	5.15	2.20
24	14.43	4.09	18.09	4.64	9.81	12.03	15.93	19.88	5.86	2.57	4.55	2.09
25	14.29	4.31	18.23	5.03	10.01	11.63	15.87	19.17	5.64	2.63	4.30	2.20
26	14.53	4.61	18.25	4.95	10.07	13.17	15.75	18.29	5.48	2.83	5.31	2.14
27	14.89	5.56	18.10	5.00	9.97	14.01	15.73	17.34	5.38	2.88	5.15	2.03
28	15.17	6.88	17.72	5.02	9.41	14.35	15.95	16.15	5.49	2.79	4.43	1.93
29	15.33	9.05	16.97	4.95	---	14.72	16.01	15.01	5.97	2.59	3.74	1.88
30	15.39	11.20	15.55	4.94	---	14.74	16.23	14.11	6.45	2.44	3.12	1.83
31	15.52	---	---	5.76	---	14.80	---	13.11	---	2.35	2.71	---
MEAN	8.81	7.63	---	---	11.18	12.27	14.87	18.68	8.39	3.63	2.67	1.72
MAX	15.52	15.57	---	---	15.51	14.80	16.23	21.72	12.13	6.65	5.31	2.59
MIN	1.55	3.99	---	---	6.63	7.93	12.85	13.11	5.38	2.35	1.51	1.17

03378500 WABASH RIVER AT NEW HARMONY, IN--Continued
(National Stream-Quality Accounting Network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--

CHEMICAL ANALYSES.--October 1974 to 1986. Data collected for water years 1997 and 1998 were published in the Kentucky Water Resources Data reports, and are stored in the Indiana NWIS/QW data base. October 1999 to current year.

SEDIMENT DISCHARGE.--Partial record station--October 1974 to 1985.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE.--October 1974 to September 1980.

WATER TEMPERATURES.--October 1974 to September 1980.

REMARKS.--Water discharge obtained from station Wabash River at Mount Carmel, IL. (03377500). Water quality data obtained from USGS Kentucky district office.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	Sample type	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TURBIDITY LAB HACH 2100AN (NTU) (99872)	UV ABSORB-ANCE 254 NM, WTR FLT (UNITS /CM) (50624)	UV ABSORB-ANCE 280 NM, WTR FLT (UNITS /CM) (61726)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
OCT												
30...	1230	ENVIRONMENTAL	79600	41	.230	.177	767	7.8	7.4	402	21.0	11.0
DEC												
11...	1240	ENVIRONMENTAL	43500	38	.137	.103	759	9.4	7.4	486	13.5	9.0
11...	1248	BLANK	--	--	<.004	<.004	--	--	--	--	--	--
JAN												
29...	1300	ENVIRONMENTAL	20400	34	.076	.057	751	12.7	7.7	563	19.5	8.0
29...	1308	BLANK	--	--	--	--	--	--	--	--	--	--
FEB												
12...	1220	ENVIRONMENTAL	62200	63	.138	.103	756	12.0	7.8	480	13.5	5.0
MAR												
05...	1300	ENVIRONMENTAL	44200	77	.104	.078	761	13.3	7.9	551	11.0	3.5
05...	1310	REPLICATE	--	74	.102	.077	--	--	--	--	--	--
19...	1300	ENVIRONMENTAL	62400	140	.124	.093	753	10.5	7.8	454	11.5	9.0
APR												
09...	1230	ENVIRONMENTAL	64800	52	.112	.083	757	11.0	7.6	481	19.0	10.5
23...	1300	ENVIRONMENTAL	85700	60	.157	.118	758	7.9	7.4	425	18.5	19.0
23...	1308	BLANK	--	--	--	--	--	--	--	--	--	--
MAY												
06...	1330	ENVIRONMENTAL	120000	53	.150	.112	752	8.8	7.6	325	23.2	17.5
28...	1330	ENVIRONMENTAL	8000	48	.133	.098	752	7.3	7.5	455	25.0	21.0
28...	1340	REPLICATE	--	50	.134	.099	--	--	--	--	--	--
JUN												
11...	1300	ENVIRONMENTAL	39300	260	.107	.080	751	7.0	7.9	484	30.0	24.5
11...	1308	BLANK	--	--	--	--	--	--	--	--	--	--
25...	1240	ENVIRONMENTAL	22300	67	.087	.065	--	8.7	8.1	553	--	27.5
JUL												
16...	1310	ENVIRONMENTAL	11700	31	.086	.064	--	8.0	8.2	521	--	28.0
AUG												
06...	1250	ENVIRONMENTAL	8650	37	.085	.063	--	7.8	8.3	538	--	28.0
06...	1300	REPLICATE	--	45	.086	.064	--	--	--	--	--	--
SEP												
09...	1200	ENVIRONMENTAL	5770	18	--	--	--	7.5	8.0	575	--	28.0

03378500 WABASH RIVER AT NEW HARMONY, IN--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	ALKA- LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	BICAR- BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)
OCT													
30...	180	47.6	14.0	5.62	7.64	133	162	18.3	.2	8.66	29.0	238	E.02
DEC													
11...	220	58.3	17.1	4.44	10.5	158	193	24.0	.2	8.38	43.7	298	E.03
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN													
29...	250	65.7	20.0	2.73	17.2	180	220	26.2	.1	6.92	62.0	344	<.04
29...	--	E.01	<.008	.01	<.09	--	--	.06	<.01	<.13	<.01	--	<.015
FEB													
12...	210	55.7	17.2	3.46	9.81	152	183	23.6	.2	7.15	41.7	282	E.03
MAR													
05...	240	62.7	20.6	2.40	15.7	179	213	29.2	.2	6.39	55.1	330	<.04
05...	240	64.2	20.5	2.59	15.2	--	--	29.6	.2	6.50	55.3	332	<.04
19...	190	51.2	16.0	2.45	10.2	155	189	21.4	.2	6.05	43.8	260	<.04
APR													
09...	220	58.0	18.0	2.55	11.6	154	187	24.3	.2	5.61	41.5	284	<.04
23...	180	49.1	15.0	2.94	8.56	138	168	17.6	.1	5.56	35.1	262	<.04
23...	--	.01	<.008	.01	<.09	--	--	.06	<.01	<.13	<.01	--	<.015
MAY													
06...	170	45.6	13.5	3.15	7.28	130	159	16.0	.2	5.67	30.5	231	<.04
28...	210	56.5	16.3	3.19	8.44	158	192	15.6	.2	6.18	39.8	271	<.04
28...	210	56.6	16.3	3.19	8.46	152	186	15.6	.2	6.19	39.7	271	<.04
JUN													
11...	230	60.4	18.1	3.32	12.9	166	203	21.8	.2	5.63	41.7	250	<.04
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	250	66.2	21.1	2.72	13.7	188	229	24.6	.1	5.08	47.1	330	<.04
JUL													
16...	210	47.3	22.8	2.87	20.1	146	179	30.4	.2	.16	61.7	297	<.04
AUG													
06...	200	42.2	24.1	3.13	25.2	140	122	36.7	.2	<.13	65.5	300	<.04
06...	200	42.2	23.8	3.18	25.0	--	--	36.9	.2	<.13	65.5	288	<.04
SEP													
09...	230	51.1	23.9	3.44	28.0	169	206	38.5	.2	.79	62.9	325	E.03

Date	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, PAR TICULATE WAT FLT SUSP (MG/L AS N) (49570)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	ORTHO- PHOS- PHATE, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, INORG + ORGANIC PARTIC. TOTAL (MG/L AS C) (00694)	CARBON, INOR- GANIC, PARTIC. TOTAL (MG/L AS C) (00688)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC- ULATE TOTAL (MG/L AS C) (00689)	PHEO- PHYTON A, PHYTON- PHYTON (UG/L) (62360)
OCT													
30...	.62	.91	2.86	.021	.48	.144	.124	.27	3.8	.1	7.2	3.6	5.5
DEC													
11...	.45	.77	3.15	.016	.19	.101	.085	.21	2.5	<.1	4.6	2.5	4.7
11...	--	--	--	--	<.02	--	--	--	.3	<.1	.4	.3	--
JAN													
29...	.24	.57	2.77	.008	.26	.051	.043	.140	2.4	<.1	3.0	2.3	5.6
29...	--	--	<.013	<.002	--	--	<.007	--	--	--	--	--	--
FEB													
12...	.49	.77	5.01	.016	.26	.116	.098	.21	2.5	<.1	4.7	2.5	2.5
MAR													
05...	.35	.80	4.14	.008	.40	.070	.051	.21	3.4	<.1	3.8	3.3	4.6
05...	.37	.70	4.13	.008	.42	.070	.048	.21	3.7	<.1	3.7	3.7	5.5
19...	.35	.94	3.56	<.008	.50	.068	.055	.28	9.1	<.1	4.2	9.1	5.0
APR													
09...	.33	.83	4.64	.013	.41	.068	.054	.173	3.3	<.1	3.7	3.3	4.6
23...	.43	1.4	2.61	.027	.46	.075	.057	.20	3.5	<.1	4.8	3.4	--
23...	--	--	<.013	<.002	--	--	<.007	--	--	--	--	--	--
MAY													
06...	.45	.67	3.37	.036	.18	.085	.065	.194	4.7	<.1	4.8	4.7	3.8
28...	.35	.71	2.64	.023	.40	.066	.051	.185	2.9	<.1	4.1	2.9	--
28...	.35	.71	2.59	.023	.35	.067	.052	.186	2.9	.2	4.1	2.6	--
JUN													
11...	.26	1.2	3.89	.025	1.02	.089	.073	.44	8.3	.1	3.5	8.1	--
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	.28	1.4	3.14	.009	.78	.035	.024	.23	6.5	<.1	3.0	6.4	--
JUL													
16...	.28	1.4	.54	.012	1.06	.013	<.007	.138	8.8	.2	2.9	8.6	50.5
AUG													
06...	.33	1.4	<.05	<.008	1.11	.014	<.007	.142	8.6	<.1	3.3	8.6	51.7
06...	.32	1.4	<.05	<.008	1.25	.016	<.007	.141	11.1	<.1	3.3	11.1	51.7
SEP													
09...	.39	.99	.14	E.005	.63	.019	<.007	.111	4.0	<.1	3.6	4.0	53.4

WABASH RIVER BASIN

03378500 WABASH RIVER AT NEW HARMONY, IN--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	ARSENIC DIS- SOLVED AS AS (01000)	BORON, DIS- SOLVED AS B) (01020)	IRON, DIS- SOLVED AS FE) (01046)	LITHIUM DIS- SOLVED AS LI) (01130)	SELE- NIUM, DIS- SOLVED AS SE) (01145)	STRON- TIUM, DIS- SOLVED AS SR) (01080)	VANA- DIUM, DIS- SOLVED AS V) (01085)	2,6-DI- ETHYL- ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)
OCT													
30...	3.5	1.1	42	29	1.5	.4	128	1.0	<.002	.014	<.002	<.005	.107
DEC													
11...	4.8	1.0	52	11	2.1	.5	180	1.4	<.002	<.013	<.002	<.005	.133
11...	--	--	--	--	--	--	--	--	<.002	<.004	<.002	<.005	<.007
JAN													
29...	24.9	.9	75	E6	3.4	.6	211	2.5	<.006	<.006	<.004	<.005	.063
29...	--	<.2	<7	<10	<.3	<.3	<.08	<.2	--	--	--	--	--
FEB													
12...	5.2	.9	42	10	1.6	.9	174	1.6	--	--	--	--	--
MAR													
05...	11.9	2.4	62	E6	2.8	.9	188	<.2	<.006	.013	.005	<.005	.086
05...	9.3	2.4	60	E6	2.7	.7	188	<.2	<.006	.014	E.004	<.005	.090
19...	8.2	.8	37	11	1.8	.7	139	.3	<.006	.011	<.004	<.005	.084
APR													
09...	13.4	.7	36	E6	1.9	.4	166	2.0	<.006	.009	<.004	<.005	.066
23...	--	1.1	41	E10	1.7	.6	133	1.8	<.006	.035	<.004	<.005	1.97
23...	--	<.2	<7	<10	<.3	<.3	<.08	<.2	--	--	--	--	--
MAY													
06...	8.8	.9	36	E8	1.7	.4	120	1.7	<.006	.361	.012	<.005	4.40
28...	--	1.2	46	E7	2.0	.5	142	2.0	<.006	.196	.009	<.005	1.89
28...	--	1.2	46	E7	2.0	.5	144	1.8	<.006	.205	.009	<.005	1.94
JUN													
11...	--	1.2	57	<10	2.3	.5	161	2.5	<.006	1.64	.054	<.005	9.28
11...	--	--	--	--	--	--	--	--	<.006	<.006	<.004	<.005	<.007
25...	--	1.1	79	<10	3.1	.7	173	1.4	<.006	.246	.020	<.005	2.79
JUL													
16...	124	1.0	120	<10	5.8	.8	168	1.1	<.006	.043	<.004	<.005	1.15
AUG													
06...	149	1.2	144	<10	5.5	.5	184	1.7	<.006	.019	<.004	<.005	.576
06...	150	1.2	147	<10	5.5	.5	185	1.7	<.006	.019	<.004	<.005	.576
SEP													
09...	34.7	1.5	187	<10	4.6	.7	199	2.6	<.006	.016	<.004	<.005	.400

Date	BEN- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82673)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)
OCT													
30...	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.049	E.005	<.005	<.02	<.002	<.009
DEC													
11...	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.040	<.005	<.005	<.02	<.002	<.009
11...	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009
JAN													
29...	<.010	<.002	E.007	<.020	<.005	<.018	<.003	E.032	<.005	<.005	<.02	<.002	<.009
29...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
05...	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.020	<.005	<.005	<.02	<.002	<.009
05...	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.020	<.005	<.005	<.02	<.002	<.009
19...	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.014	<.005	<.005	<.02	<.002	<.009
APR													
09...	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.012	E.003	<.005	<.02	<.002	<.009
23...	<.010	<.002	E.014	<.020	<.005	<.018	<.003	E.052	<.005	<.005	<.02	<.002	<.009
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
06...	<.010	<.002	E.004	<.020	<.005	E.011	<.003	E.117	.008	<.005	<.02	<.002	<.009
28...	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.140	E.004	<.005	<.02	.002	<.009
28...	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.145	<.005	<.005	<.02	<.002	<.009
JUN													
11...	<.010	<.002	<.041	<.020	E.003	<.018	<.003	E.381	E.004	<.005	<.02	<.002	<.009
11...	<.010	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009
25...	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.286	E.003	<.005	<.02	.003	<.009
JUL													
16...	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.124	E.002	<.005	<.02	<.002	<.009
AUG													
06...	<.010	<.002	<.041	<.020	E.004	<.018	<.003	E.099	E.004	<.005	<.02	E.002	<.009
06...	<.010	<.002	<.041	<.020	E.004	<.018	<.003	E.112	E.004	E.004	<.02	E.002	<.009
SEP													
09...	<.010	<.002	<.041	<.020	<.005	<.018	<.003	E.096	<.005	<.005	<.02	<.002	<.009

03378500 WABASH RIVER AT NEW HARMONY, IN--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS- SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS- SOLVED (UG/L) (39532)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUCOR WATER DISSOLV (UG/L) (82630)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA- THION, DIS- SOLVED (UG/L) (39542)
	OCT 30...	<.005	<.003	<.004	<.035	E.003	<.050	<.006	.073	<.006	<.002	<.007	<.003
DEC 11...	<.005	<.003	<.004	<.035	<.027	<.050	<.006	.056	.022	<.002	<.007	<.003	<.007
DEC 11...	<.005	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007
JAN 29...	<.005	<.003	<.004	<.035	<.027	<.050	<.006	.026	<.006	<.002	<.007	<.003	<.010
JAN 29...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 05...	<.005	<.003	<.004	<.035	<.027	<.050	<.006	.046	<.006	<.002	<.007	<.003	<.010
MAR 05...	<.005	<.003	<.004	<.035	<.027	<.050	<.006	.045	<.006	<.002	<.007	<.003	<.010
MAR 19...	<.005	<.003	<.004	<.035	<.027	<.050	<.006	.039	<.006	<.002	<.007	<.003	<.010
APR 09...	<.005	<.003	<.004	<.035	<.027	<.050	<.006	.050	.007	<.002	<.007	<.003	<.010
APR 23...	<.005	<.003	<.004	<.035	<.027	<.050	<.006	.131	.011	<.002	<.007	<.003	<.010
APR 23...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 06...	<.005	<.003	<.004	<.035	<.027	<.050	<.006	.988	.033	<.002	<.007	<.003	<.010
MAY 28...	<.005	<.003	<.004	<.035	<.027	<.050	<.006	.436	.019	<.002	<.007	<.003	<.010
MAY 28...	<.005	<.003	<.004	<.035	<.027	<.050	<.006	.439	.019	<.002	<.007	<.003	<.010
JUN 11...	<.005	<.003	<.004	<.035	<.027	<.050	<.006	2.04	.027	<.002	<.007	<.003	<.010
JUN 11...	<.005	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010
JUN 25...	<.005	<.003	<.004	<.035	<.027	<.050	<.006	.607	.009	<.002	<.007	<.003	<.010
JUL 16...	<.005	<.003	<.004	<.035	<.027	<.050	<.006	.238	<.006	<.002	<.007	<.003	<.010
AUG 06...	<.005	<.003	<.004	<.035	<.027	<.050	<.006	.124	<.006	<.002	<.007	<.003	<.010
AUG 06...	<.005	<.003	<.004	<.035	<.027	<.050	<.006	.125	<.006	<.002	<.007	<.003	<.010
SEP 09...	<.005	<.003	<.004	<.035	<.027	<.050	<.006	.116	<.006	<.002	<.007	<.003	<.010

Date	PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI- MAZINE, WATER, FLTRD 0.7 U DISS, REC (UG/L) (04035)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)
	OCT 30...	<.002	<.010	<.006	<.011	E.01	<.004	<.010	<.011	<.02	.113	M	<.034
DEC 11...	<.002	<.010	<.006	<.011	E.01	<.004	<.010	<.011	<.02	.600	M	<.034	<.02
DEC 11...	<.002	<.010	<.006	<.011	<.01	<.004	<.010	<.011	<.02	<.011	<.02	<.034	<.02
JAN 29...	<.004	<.022	<.006	<.011	E.01	<.004	<.010	<.011	<.02	.097	<.02	<.034	<.02
JAN 29...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 05...	<.004	<.022	<.006	<.011	E.01	<.004	<.010	<.011	<.02	.287	<.02	<.034	<.02
MAR 05...	<.004	<.022	<.006	<.011	E.01	<.004	<.010	<.011	<.02	.302	<.02	<.034	<.02
MAR 19...	<.004	<.022	<.006	<.011	<.01	<.004	<.010	<.011	<.02	.253	M	<.034	<.02
APR 09...	<.004	<.022	<.006	<.011	E.01	<.004	<.010	<.011	<.02	.082	<.02	<.034	<.02
APR 23...	<.004	<.022	<.006	<.011	E.01	<.004	<.010	<.011	<.02	.899	<.02	<.034	<.02
APR 23...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 06...	<.004	<.022	<.006	<.011	.02	<.004	<.010	<.011	<.02	.413	E.01	<.034	<.02
MAY 28...	<.004	<.022	<.006	<.011	.02	<.004	<.010	<.011	<.02	.244	<.02	<.034	<.02
MAY 28...	<.004	<.022	<.006	<.011	.02	<.004	<.010	<.011	<.02	.244	<.02	<.034	<.02
JUN 11...	<.004	<.022	<.006	<.011	.02	<.004	<.010	<.011	<.02	.610	<.02	<.034	<.02
JUN 11...	<.004	<.022	<.006	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
JUN 25...	<.004	<.022	<.006	<.011	.03	<.004	<.010	<.011	<.02	.220	E.01	<.034	<.02
JUL 16...	<.004	<.022	<.006	<.011	.02	<.004	<.010	<.011	<.02	.124	E.01	<.034	<.02
AUG 06...	<.004	<.022	<.006	<.011	.05	<.004	<.010	<.011	<.02	.054	E.01	<.034	<.02
AUG 06...	<.004	<.022	<.006	<.011	.05	<.004	<.010	<.011	<.02	.054	E.01	<.034	<.02
SEP 09...	<.004	<.022	<.006	<.011	.04	<.004	<.010	<.011	<.02	.035	E.01	<.034	<.02

03378500 WABASH RIVER AT NEW HARMONY, IN--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDI- MENT, SUS- PENDEED (MG/L) (80154)
OCT					
30...	<.005	<.002	<.009	87	119
DEC					
11...	<.005	<.002	<.009	90	85
11...	<.005	<.002	<.009	--	--
JAN					
29...	<.005	<.002	<.009	97	52
29...	--	--	--	--	--
FEB					
12...	--	--	--	86	81
MAR					
05...	<.005	<.002	<.009	95	126
05...	<.005	<.002	<.009	--	--
19...	<.005	<.002	<.009	96	209
APR					
09...	<.005	<.002	<.009	89	59
23...	<.005	<.002	<.009	92	93
23...	--	--	--	--	--
MAY					
06...	<.005	<.002	<.009	77	73
28...	<.005	<.002	<.009	89	71
28...	<.005	<.002	<.009	--	--
JUN					
11...	<.005	<.002	<.009	99	293
11...	<.005	<.002	<.009	--	--
25...	<.005	<.002	<.009	98	133
JUL					
16...	<.005	<.002	<.009	99	71
AUG					
06...	<.005	<.002	<.009	95	57
06...	<.005	<.002	<.009	--	--
SEP					
09...	<.005	<.002	<.009	99	24

03378550 BIG CREEK NEAR WADESVILLE, IN

LOCATION.--Lat 38°04'58", long 87°46'10", in SW¹/₄SW¹/₄ sec.16, T.5 S., R.12 W., Posey County, Hydrologic Unit 05120113, (WADESVILLE, IN quadrangle), on left bank at downstream side of bridge on State Highway 66, 0.6 mi northwest of Blairsville, 0.8 mi upstream from County Road 250 North, and 1.6 mi southeast of Wadesville.

DRAINAGE AREA.--104 mi².

PERIOD OF RECORD.--July 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is 370.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except for estimated daily discharges and those for Sept. 12-19 and below 1.0 ft³/s, which are poor.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	28	457	e27	1860	30	114	110	19	4.0	0.34	0.45
2	1.0	23	171	e25	296	62	100	111	17	3.4	0.27	0.51
3	0.91	19	127	e24	166	251	91	107	16	3.0	0.27	0.50
4	0.87	18	102	e23	119	84	76	78	14	2.7	0.44	0.40
5	1.3	17	86	e22	92	66	66	60	253	2.6	0.36	0.31
6	4.2	15	148	e24	86	57	59	137	479	2.6	0.26	0.24
7	3.8	14	166	e22	84	48	54	404	129	2.3	0.33	0.21
8	1.7	13	120	e21	71	42	55	2470	76	1.8	0.29	0.18
9	1.2	12	96	26	64	464	88	1110	51	1.6	0.23	0.13
10	1.0	12	82	29	62	275	60	225	37	57	0.20	0.11
11	22	12	70	27	48	125	54	137	30	5.2	0.16	0.10
12	234	9.8	276	26	49	114	70	109	32	2.4	0.13	0.20
13	100	9.2	638	29	40	100	1180	4090	107	1.7	0.18	0.41
14	1490	9.9	1250	28	35	86	1840	1570	51	1.3	0.38	0.50
15	241	9.7	430	25	38	80	565	245	23	1.1	0.30	0.51
16	116	9.2	1230	21	34	877	190	146	19	0.91	0.24	0.96
17	73	8.8	6740	22	29	220	126	142	17	0.79	0.30	1.5
18	46	8.9	3800	22	24	141	98	194	14	2.0	0.35	2.1
19	34	9.9	603	30	26	1080	243	116	13	2.1	0.43	3.1
20	24	10	179	32	60	1550	245	93	12	6.3	0.58	847
21	19	9.6	131	33	60	403	426	77	11	9.9	0.53	540
22	16	8.8	118	32	37	179	701	65	11	2.2	0.35	14
23	314	8.6	213	35	32	136	164	58	9.9	1.9	0.44	3.7
24	2990	66	127	642	31	113	340	48	8.6	1.6	1.8	2.0
25	931	103	94	211	30	152	1110	40	35	1.2	0.76	1.3
26	154	35	81	124	54	1860	214	35	15	1.0	0.57	1.3
27	88	1790	70	95	36	408	420	34	8.1	0.93	0.51	311
28	61	1240	62	79	30	200	899	29	6.6	0.79	0.46	49
29	45	2720	49	68	---	256	234	27	5.5	0.63	0.35	5.6
30	36	3090	e34	82	---	257	143	26	4.9	0.52	0.31	2.5
31	32	---	e30	394	---	143	---	22	---	0.46	0.36	---
TOTAL	7083.08	9339.4	17780	2300	3593	9859	10025	12115	1524.6	125.93	12.48	1789.82
MEAN	228.5	311.3	573.5	74.19	128.3	318.0	334.2	390.8	50.82	4.062	0.403	59.66
MAX	2990	3090	6740	642	1860	1860	1840	4090	479	57	1.8	847
MIN	0.87	8.6	30	21	24	30	54	22	4.9	0.46	0.13	0.10
CFSM	2.20	2.99	5.51	0.71	1.23	3.06	3.21	3.76	0.49	0.04	0.00	0.57
IN.	2.53	3.34	6.36	0.82	1.29	3.53	3.59	4.33	0.55	0.05	0.00	0.64

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2002, BY WATER YEAR (WY)

	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002		
MEAN	25.01	84.53	139.4	141.8	187.6	214.5	199.3	163.1	91.36	72.09	43.44	26.59																											
MAX	228	513	710	559	727	581	702	742	347	264	341	233																											
(WY)	2002	1986	1983	1982	1990	1975	1996	1990	1996	1992	1977	1982																											
MIN	0.019	0.61	0.30	0.13	9.15	14.3	8.73	2.98	0.62	0.33	0.18	0.000																											
(WY)	1969	2000	1966	1977	1992	1981	1981	1988	1988	1994	1988	1983																											

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

WATER YEARS 1966 - 2002

ANNUAL TOTAL	51648.50	75547.31	
ANNUAL MEAN	141.5	207.0	115.3
HIGHEST ANNUAL MEAN			207
LOWEST ANNUAL MEAN			38.7
HIGHEST DAILY MEAN	6740	Dec 17	6740
LOWEST DAILY MEAN	0.40	Jul 8	0.10
ANNUAL SEVEN-DAY MINIMUM	0.64	Jul 2	0.17
MAXIMUM PEAK FLOW			7680
MAXIMUM PEAK STAGE			19.35
ANNUAL RUNOFF (CFSM)	1.36		1.99
ANNUAL RUNOFF (INCHES)	18.47		27.02
10 PERCENT EXCEEDS	235		422
50 PERCENT EXCEEDS	25		34
90 PERCENT EXCEEDS	1.7		0.46
			10400
			20.35
			1.11
			15.07
			212
			17
			0.25

e Estimated

03378550 BIG CREEK NEAR WADESVILLE, IN--Continued

