

03374455 PATOKA RIVER NEAR HARDINBURG, IN

LOCATION.--Lat 38°26'41", long 86°23'14", in NW¼SE¼ 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 October 2003 (discontinued).

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 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.64	e3.0	e2.8	431	e3.1	35	28	18	5.2	0.64	e0.36	e0.00
2	e0.67	e3.1	e2.7	137	e3.3	64	21	14	4.5	0.58	e0.47	e0.21
3	e0.70	e6.0	e2.5	75	e4.3	55	17	11	8.5	0.44	e0.59	e0.16
4	e0.92	e6.2	e2.4	49	e30	56	15	8.9	8.2	0.35	e0.41	e0.16
5	e1.2	e9.5	e2.6	38	e19	81	21	233	5.8	0.32	e0.35	e0.19
6	e0.65	e20	e2.5	29	e10	54	17	96	4.3	0.34	e0.29	e0.13
7	e0.46	e5.8	e2.5	e24	e6.0	36	20	76	3.6	0.31	e0.38	e0.09
8	e0.51	e5.2	e2.7	e20	e4.7	29	21	46	2.9	0.31	e0.30	e0.09
9	e0.40	e4.7	e2.5	e17	e3.4	23	22	102	2.2	0.48	e0.23	e0.04
10	e0.63	e180	e2.6	e15	e4.4	18	21	149	1.9	7.0	e0.38	e0.03
11	e1.2	e139	e8.0	e13	e3.6	16	18	106	6.4	2.0	e0.70	e0.03
12	e1.0	e34	e15	e12	e3.0	20	15	49	121	0.83	e0.60	e0.02
13	e0.70	e14	e37	e10	e11	37	12	26	52	0.58	e0.71	e0.02
14	e0.62	e9.0	e58	e9.1	14	39	10	17	21	0.43	e0.70	e0.01
15	e0.95	e7.4	e29	e8.0	148	29	9.2	13	12	e0.40	e0.74	e0.01
16	e0.89	e6.2	e12	e7.1	79	23	8.5	10	8.2	e0.52	e0.53	e0.01
17	e0.76	e5.6	e8.9	e6.0	41	20	98	24	6.0	e0.45	e0.42	e0.01
18	e0.71	e5.1	e35	e5.0	27	18	83	106	4.4	e0.51	e0.37	e0.01
19	e0.95	e4.6	e210	e4.3	25	84	40	34	3.7	e0.22	e0.28	e0.00
20	e1.1	e4.3	e150	e4.0	42	79	27	69	3.0	e0.21	e0.18	e0.00
21	e0.84	e3.5	e48	e3.7	89	79	43	88	2.2	e0.29	e0.09	e0.00
22	e0.66	e3.8	e26	e3.2	542	53	27	38	1.9	e0.30	e0.06	e0.06
23	e0.62	e3.4	e16	e2.9	217	36	19	21	1.6	e0.33	e0.04	e0.13
24	e0.58	e3.2	e8.0	e2.5	97	27	15	14	1.3	e0.39	e0.03	e0.12
25	e13	e3.0	e12	e3.0	55	22	345	13	0.95	e0.50	e0.01	e0.07
26	e6.0	e3.0	e7.8	e2.6	40	41	232	14	0.90	e0.46	e0.01	e0.09
27	e2.3	e2.8	e7.1	e2.3	32	32	77	11	0.98	e0.39	e0.01	e0.11
28	e3.4	e3.0	e6.4	e2.7	26	25	39	8.2	0.79	e0.35	e0.00	e0.22
29	e31	e3.3	e6.1	e3.6	---	97	35	7.7	0.63	e0.60	e0.00	e0.11
30	e13	e2.9	e16	e3.2	---	56	26	6.3	0.55	e0.47	e0.00	e0.10
31	e4.8	---	e107	e2.8	---	36	---	6.1	---	e0.46	e0.00	---
TOTAL	91.86	504.6	849.1	946.0	1,579.8	1,320	1,381.7	1,435.2	296.60	21.46	9.24	2.23
MEAN	2.96	16.8	27.4	30.5	56.4	42.6	46.1	46.3	9.89	0.69	0.30	0.074
MAX	31	180	210	431	542	97	345	233	121	7.0	0.74	0.22
MIN	0.40	2.8	2.4	2.3	3.0	16	8.5	6.1	0.55	0.21	0.00	0.00
CFSM	0.23	1.31	2.14	2.38	4.41	3.33	3.60	3.62	0.77	0.05	0.02	0.01
IN.	0.27	1.47	2.47	2.75	4.59	3.84	4.02	4.17	0.86	0.06	0.03	0.01

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

MEAN	3.67	18.4	32.6	34.0	40.2	49.4	50.3	38.4	18.4	8.96	5.22	3.79
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 2002 CALENDAR YEAR

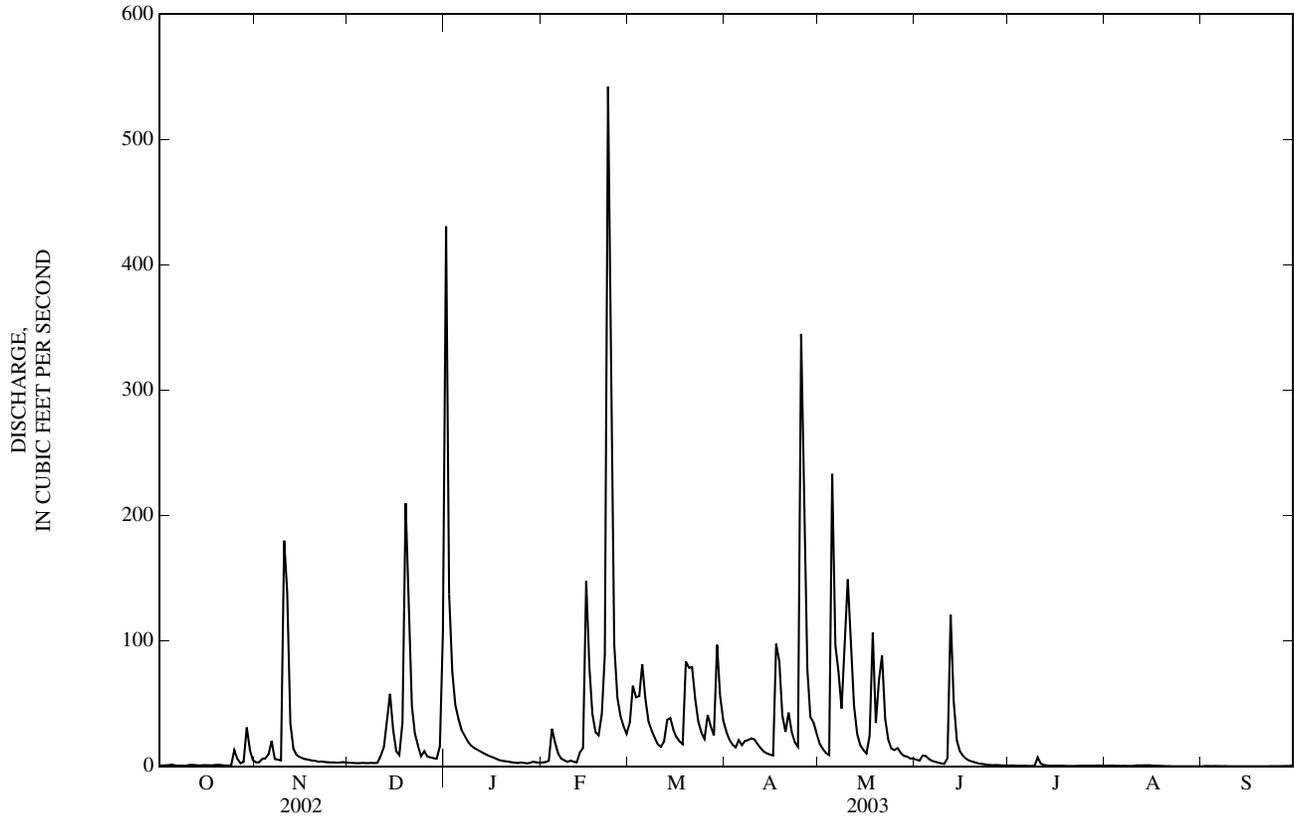
FOR 2003 WATER YEAR

WATER YEARS 1969 - 2003

ANNUAL TOTAL	10,553.18	8,437.79		
ANNUAL MEAN	28.9	23.1	25.2	
HIGHEST ANNUAL MEAN			47.3	1996
LOWEST ANNUAL MEAN			6.35	1992
HIGHEST DAILY MEAN	908	May 13	1,770	Jul 26, 1979
LOWEST DAILY MEAN	0.00	Aug 9	0.00	Oct 4, 1970
ANNUAL SEVEN-DAY MINIMUM	0.00	Sep 3	0.00	Sep 11, 1972
MAXIMUM PEAK FLOW			9,270	Jul 26, 1979
MAXIMUM PEAK STAGE			11.35	Jul 26, 1979
ANNUAL RUNOFF (CFSM)	2.26	1.81	1.97	
ANNUAL RUNOFF (INCHES)	30.67	24.52	26.74	
10 PERCENT EXCEEDS	68	57	53	
50 PERCENT EXCEEDS	6.2	4.8	5.1	
90 PERCENT EXCEEDS	0.03	0.15	0.24	

e Estimated

03374455 PATOKA RIVER NEAR HARDINSBURG, IN—Continued



WABASH RIVER BASIN

03374500 PATOKA RIVER NEAR CUZCO, IN

LOCATION.--Lat 38°26'31", long 86°42'51", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ 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 1981 (discharge). October 1981 to September 2001 (discharge provided by U.S. Army Corps of Engineers). October 2001 to current year (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.

COOPERATION.--Records of discharge provided by U.S. Army Corps of Engineers October 1981 to September 2001.

EXTREMES FOR PERIOD OF RECORD.--(October 2001 to current year) maximum gage height, 10.63 ft, Jan. 20, 21, 2002, minimum gage height, 2.12 ft, June 20, 2002. (June 1961 to September 1981) maximum discharge, 14,700 ft³/s, Mar. 10, 1964, gage height, 20.02 ft; no flow Oct. 30, 1964.

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, 9.55 ft, Jan. 25; minimum gage height, 2.61 ft, July 23.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.39	3.47	5.78	4.52	5.30	5.64	7.18	3.57	3.61	3.58	3.67	4.33
2	3.40	3.53	5.78	4.27	5.25	5.62	7.12	3.49	3.63	3.56	3.67	3.71
3	3.40	3.52	5.78	4.23	4.18	5.62	6.33	3.47	3.63	3.56	3.67	3.68
4	3.41	3.51	---	4.21	4.14	5.63	5.04	3.52	3.62	3.56	3.67	3.65
5	3.41	3.53	---	4.20	4.13	5.61	4.16	3.66	3.60	3.56	3.67	4.33
6	3.41	3.49	---	6.19	4.13	7.31	4.17	3.52	3.59	3.56	3.67	4.33
7	3.40	3.49	---	7.98	4.12	7.29	4.17	3.54	3.58	3.56	3.67	4.33
8	3.40	3.49	---	7.93	4.12	7.33	4.17	3.95	3.58	3.67	3.66	4.32
9	3.40	3.50	---	7.84	4.11	7.27	4.17	6.34	3.57	3.62	3.66	4.32
10	3.40	3.95	---	7.81	4.11	7.23	4.16	3.80	3.67	3.63	3.66	4.31
11	3.40	3.56	5.76	7.76	4.11	8.37	4.16	3.75	4.31	3.58	3.66	4.32
12	3.39	4.34	5.75	7.73	4.11	8.41	4.15	3.68	3.95	3.57	3.66	4.31
13	3.40	4.31	5.83	7.87	4.11	8.47	4.15	3.65	3.63	3.56	3.65	4.31
14	3.41	4.30	5.78	7.87	4.22	8.42	4.15	3.64	3.60	3.56	3.65	4.32
15	3.40	4.30	5.77	8.34	4.21	8.37	4.15	3.65	3.58	3.63	3.65	4.32
16	3.41	4.29	5.75	8.32	4.15	8.33	3.41	3.64	3.57	3.56	3.65	4.31
17	3.41	4.29	5.76	8.28	5.01	8.30	3.55	4.66	3.56	3.56	3.65	4.31
18	3.41	5.19	5.82	8.65	5.00	8.29	3.47	3.68	3.58	3.56	3.65	4.31
19	3.42	5.17	4.61	8.60	5.03	7.36	3.44	3.65	3.58	3.55	3.65	4.31
20	3.41	5.17	4.25	8.57	5.08	7.23	4.09	3.78	3.57	3.55	3.65	4.31
21	3.41	5.85	4.21	9.47	4.39	7.18	3.55	3.67	3.57	3.59	3.65	4.32
22	3.41	5.83	4.20	9.48	7.09	7.27	3.49	3.64	3.56	3.56	3.65	4.32
23	3.42	5.82	5.74	9.44	3.61	7.20	3.47	3.63	3.56	3.59	3.65	4.32
24	3.42	5.81	5.74	9.52	3.52	7.24	3.46	3.62	3.56	3.60	3.65	4.32
25	3.47	5.80	5.73	9.47	3.49	7.18	4.65	3.64	3.56	3.63	3.64	4.32
26	3.44	5.80	8.03	9.42	5.01	7.25	3.56	3.63	3.57	3.68	3.64	4.33
27	3.44	5.79	8.03	9.36	5.00	7.17	3.50	3.62	3.56	3.68	3.64	4.32
28	3.45	5.78	8.00	9.45	5.61	7.22	3.48	3.62	3.56	3.68	3.64	4.33
29	3.49	5.78	7.97	9.41	---	7.08	3.47	3.62	3.56	3.68	3.65	4.32
30	3.45	5.79	7.99	7.32	---	---	3.46	3.61	3.56	3.67	3.64	4.33
31	3.45	---	7.22	5.36	---	7.24	---	3.61	---	3.67	3.64	---
MEAN	3.42	4.62	---	7.71	4.51	---	4.18	3.76	3.62	3.60	3.65	4.26
MAX	3.49	5.85	---	9.52	7.09	---	7.18	6.34	4.31	3.68	3.67	4.33
MIN	3.39	3.47	---	4.20	3.49	---	3.41	3.47	3.56	3.55	3.64	3.65

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, 30.3°C, Aug. 21, minimum, 1.9°C, Feb. 16, 24.

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

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	22.1	21.1	21.6	15.3	14.4	14.9	9.0	8.7	8.9	6.5	5.8	6.1
2	22.3	21.2	21.7	15.1	14.2	14.5	8.7	8.5	8.6	5.9	5.6	5.8
3	22.1	21.1	21.6	14.4	14.2	14.3	8.5	8.1	8.3	5.6	5.4	5.5
4	23.6	21.3	22.3	14.2	14.0	14.1	---	---	---	5.7	5.2	5.4
5	22.0	20.2	21.0	14.0	13.7	13.9	---	---	---	5.5	5.3	5.4
6	22.2	20.6	21.2	13.7	13.2	13.5	---	---	---	5.4	5.2	5.3
7	21.0	20.0	20.5	14.0	13.0	13.4	---	---	---	5.3	5.1	5.2
8	21.6	20.3	20.8	14.0	13.0	13.4	---	---	---	5.4	5.0	5.2
9	21.0	20.4	20.6	13.8	13.2	13.5	---	---	---	5.3	5.1	5.2
10	20.8	20.4	20.6	14.7	13.5	14.0	---	---	---	5.2	5.0	5.1
11	20.7	20.5	20.6	14.0	13.0	13.4	6.3	6.3	6.3	5.0	4.7	4.9
12	20.6	20.0	20.4	13.2	12.8	13.0	6.4	6.2	6.3	4.7	4.5	4.6
13	20.0	18.9	19.4	13.4	12.7	13.0	6.3	6.0	6.2	4.5	4.3	4.4
14	20.1	18.8	19.4	13.2	12.8	13.0	6.1	5.9	6.0	4.4	4.1	4.3
15	19.6	18.9	19.2	12.9	12.6	12.8	6.2	5.8	6.0	4.4	4.1	4.2
16	19.2	18.4	18.7	12.6	12.3	12.5	6.2	5.9	6.0	4.2	3.8	3.9
17	18.8	18.1	18.4	12.3	11.8	12.1	6.1	5.9	6.0	3.9	3.6	3.7
18	18.9	17.8	18.3	12.0	11.6	11.8	6.5	6.1	6.3	3.6	3.2	3.4
19	18.3	17.9	18.1	12.1	11.6	11.8	8.4	6.5	7.1	3.5	3.2	3.3
20	18.2	17.4	17.7	11.9	11.5	11.7	7.4	6.3	6.7	3.4	3.2	3.3
21	18.3	17.1	17.6	11.8	11.3	11.6	6.7	6.1	6.4	3.3	2.7	3.0
22	18.0	17.0	17.3	11.3	11.0	11.2	6.6	6.1	6.4	2.9	2.7	2.8
23	17.8	16.8	17.2	11.2	10.8	11.0	6.3	6.0	6.1	3.0	2.7	2.8
24	17.7	16.8	17.1	11.1	10.7	10.9	6.1	5.9	6.0	2.7	2.3	2.5
25	16.9	16.7	16.8	10.7	10.4	10.6	5.9	5.7	5.8	2.3	2.2	2.3
26	16.8	16.5	16.7	10.4	10.2	10.3	5.7	5.4	5.6	2.2	2.2	2.2
27	16.8	16.3	16.5	10.2	9.9	10.1	5.6	5.3	5.5	2.4	2.2	2.3
28	16.6	16.2	16.3	9.9	9.6	9.8	5.5	5.3	5.4	2.5	2.3	2.4
29	16.3	15.2	15.7	9.7	9.4	9.6	5.6	5.2	5.4	2.6	2.5	2.6
30	15.6	15.4	15.5	9.6	9.0	9.3	5.8	5.5	5.6	2.8	2.6	2.7
31	15.5	15.1	15.3	---	---	---	5.9	5.7	5.8	3.1	2.7	2.9
MONTH	23.6	15.1	18.8	15.3	9.0	12.3	---	---	---	6.5	2.2	4.0

WABASH RIVER BASIN

03374500 PATOKA RIVER NEAR CUZCO, IN—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	3.1	3.0	3.1	2.5	2.4	2.5	10.7	9.8	10.3	16.5	14.4	15.2
2	3.5	3.0	3.2	2.9	2.5	2.7	11.4	10.4	10.9	16.2	14.2	15.1
3	3.5	3.2	3.4	2.9	2.6	2.7	12.1	10.8	11.4	16.5	14.0	15.1
4	3.9	3.1	3.5	3.1	2.6	2.8	12.5	11.4	12.0	17.1	15.1	16.1
5	3.6	3.0	3.2	3.2	3.0	3.1	12.4	11.4	11.7	18.2	16.1	17.0
6	3.1	2.9	3.0	3.2	3.0	3.0	11.6	11.2	11.4	17.1	15.6	16.3
7	3.2	2.6	3.0	3.3	2.9	3.1	11.5	11.0	11.2	17.3	15.9	16.5
8	3.0	2.5	2.7	3.9	2.9	3.4	11.4	11.0	11.1	16.7	15.5	16.1
9	3.2	2.7	2.9	3.9	3.6	3.8	11.0	10.7	10.8	17.9	16.3	17.2
10	3.2	2.8	2.9	4.0	3.7	3.8	11.6	10.4	10.9	17.5	15.9	16.7
11	3.4	2.5	2.9	4.1	3.8	3.9	11.8	10.7	11.1	17.1	14.7	16.1
12	3.4	2.6	2.9	4.4	4.0	4.2	11.9	10.6	11.1	16.3	14.4	15.2
13	3.4	2.5	2.9	4.4	4.3	4.3	12.4	10.6	11.3	18.0	15.0	16.4
14	2.8	2.6	2.8	5.0	4.3	4.6	13.0	11.3	12.1	18.4	16.3	17.3
15	2.8	2.5	2.7	5.3	4.6	4.9	12.7	11.4	12.1	18.2	17.1	17.4
16	2.5	2.0	2.2	5.9	5.0	5.3	14.8	11.9	13.3	18.4	16.8	17.5
17	2.4	2.1	2.2	5.8	5.1	5.5	15.8	14.2	14.8	19.1	17.2	18.2
18	2.4	2.3	2.4	6.1	5.6	5.8	14.2	13.0	13.6	19.1	18.2	18.7
19	2.5	2.3	2.4	7.9	5.9	6.8	15.6	13.0	14.2	19.3	17.8	18.7
20	2.7	2.3	2.4	7.6	6.6	7.2	16.3	14.0	15.1	17.9	16.4	17.6
21	3.1	2.5	2.7	7.5	5.8	6.4	15.1	12.9	13.7	18.2	16.1	17.3
22	3.3	2.2	2.8	7.3	5.9	6.5	13.6	12.1	12.7	19.0	17.2	17.9
23	4.0	2.2	2.9	7.3	6.8	7.1	15.4	12.1	13.6	18.6	16.9	17.6
24	3.4	1.9	2.6	7.8	7.1	7.4	15.7	13.9	14.8	18.8	16.6	17.6
25	3.4	2.1	2.6	8.5	7.3	7.7	15.3	13.3	14.4	17.7	17.2	17.4
26	2.5	2.1	2.3	8.1	7.1	7.7	16.3	13.4	14.7	18.8	17.4	17.8
27	2.4	2.2	2.3	9.8	7.7	8.5	16.3	13.9	14.9	18.6	17.0	17.6
28	2.6	2.3	2.4	11.3	9.7	10.5	16.1	13.8	14.7	19.0	16.9	17.7
29	---	---	---	10.4	9.4	9.8	16.1	14.0	14.9	20.0	16.7	18.1
30	---	---	---	---	---	---	16.2	14.4	15.2	20.7	18.2	19.4
31	---	---	---	10.0	9.0	9.6	---	---	---	19.8	18.0	19.1
MONTH	4.0	1.9	2.8	---	---	---	16.3	9.8	12.8	20.7	14.0	17.2
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	20.5	18.0	19.1	24.2	22.6	23.4	29.0	27.4	28.1	28.6	24.7	27.6
2	20.4	19.2	19.7	24.5	22.7	23.4	28.2	27.6	27.9	27.3	26.2	27.1
3	19.7	19.2	19.5	24.5	22.7	23.5	28.6	27.2	27.7	27.6	26.8	27.0
4	19.2	18.5	18.9	24.8	23.2	23.8	28.4	27.2	27.6	27.5	26.5	26.8
5	20.5	18.4	19.3	26.1	23.4	24.6	28.6	27.0	27.6	27.1	25.9	26.4
6	20.5	18.8	19.6	25.6	23.7	24.5	27.8	27.0	27.3	26.8	25.9	26.3
7	20.9	19.8	20.2	25.7	23.1	24.6	28.1	26.8	27.3	26.3	25.7	26.0
8	20.3	19.2	19.9	25.1	22.7	24.0	28.3	26.8	27.3	26.4	25.5	25.9
9	21.0	19.0	19.8	24.4	23.4	23.9	28.0	26.7	27.2	26.7	25.4	26.0
10	21.0	19.5	20.2	25.6	21.6	24.0	28.2	26.8	27.3	26.9	25.8	26.2
11	21.3	20.1	20.6	24.0	21.1	22.6	27.8	27.1	27.4	26.9	26.1	26.5
12	20.6	19.2	19.9	25.5	21.5	23.6	28.2	26.8	27.4	27.2	26.3	26.6
13	21.6	19.3	20.6	25.8	22.5	24.2	28.2	27.3	27.7	27.3	26.3	26.7
14	22.0	20.7	21.2	26.3	23.7	24.8	29.1	27.6	28.2	26.8	25.9	26.5
15	21.5	20.5	20.9	25.6	24.0	24.7	28.9	27.7	28.1	26.2	25.3	25.7
16	21.9	20.9	21.3	26.2	22.9	24.6	28.7	27.4	27.9	26.2	25.0	25.5
17	22.5	20.8	21.5	26.3	24.1	24.9	29.3	27.5	28.3	26.2	25.1	25.6
18	22.7	20.7	21.6	25.2	24.0	24.6	29.8	28.5	28.9	26.2	25.0	25.5
19	21.5	21.0	21.3	25.9	24.2	24.9	29.8	28.0	28.7	25.4	24.3	24.9
20	23.2	21.0	22.0	26.2	24.3	25.0	29.8	28.2	28.9	25.1	23.8	24.3
21	22.9	21.3	22.0	25.9	24.3	24.9	30.3	28.6	29.2	24.7	23.8	24.2
22	23.5	21.5	22.3	25.4	23.4	24.6	29.4	28.6	29.0	24.3	23.7	24.0
23	23.9	21.6	22.6	24.7	20.0	22.9	29.9	28.3	29.0	24.0	23.2	23.6
24	24.3	22.0	22.9	21.6	19.9	20.5	29.7	28.2	28.8	24.0	23.0	23.4
25	24.3	22.1	23.1	27.6	19.9	23.5	29.6	28.1	28.8	23.5	22.6	23.1
26	23.3	21.1	22.5	28.5	26.8	27.4	29.8	28.5	29.0	23.5	22.4	22.9
27	24.1	20.9	22.6	28.3	27.0	27.5	29.8	28.7	29.2	23.1	22.2	22.6
28	24.5	22.1	23.1	27.8	27.0	27.4	30.1	28.7	29.3	22.2	21.5	21.9
29	24.6	22.2	23.3	28.2	26.9	27.4	30.1	28.9	29.4	21.7	20.9	21.3
30	24.7	22.8	23.6	28.6	26.8	27.5	29.2	28.7	28.9	21.4	20.4	20.8
31	---	---	---	28.7	27.4	27.8	28.7	28.1	28.4	---	---	---
MONTH	24.7	18.0	21.2	28.7	19.9	24.7	30.3	26.7	28.3	28.6	20.4	25.0

03375500 PATOKA RIVER AT JASPER, IN

LOCATION.--Lat 38°24'49", long 86°52'36", in NW¹/₄SE¹/₄ 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 good. 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 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

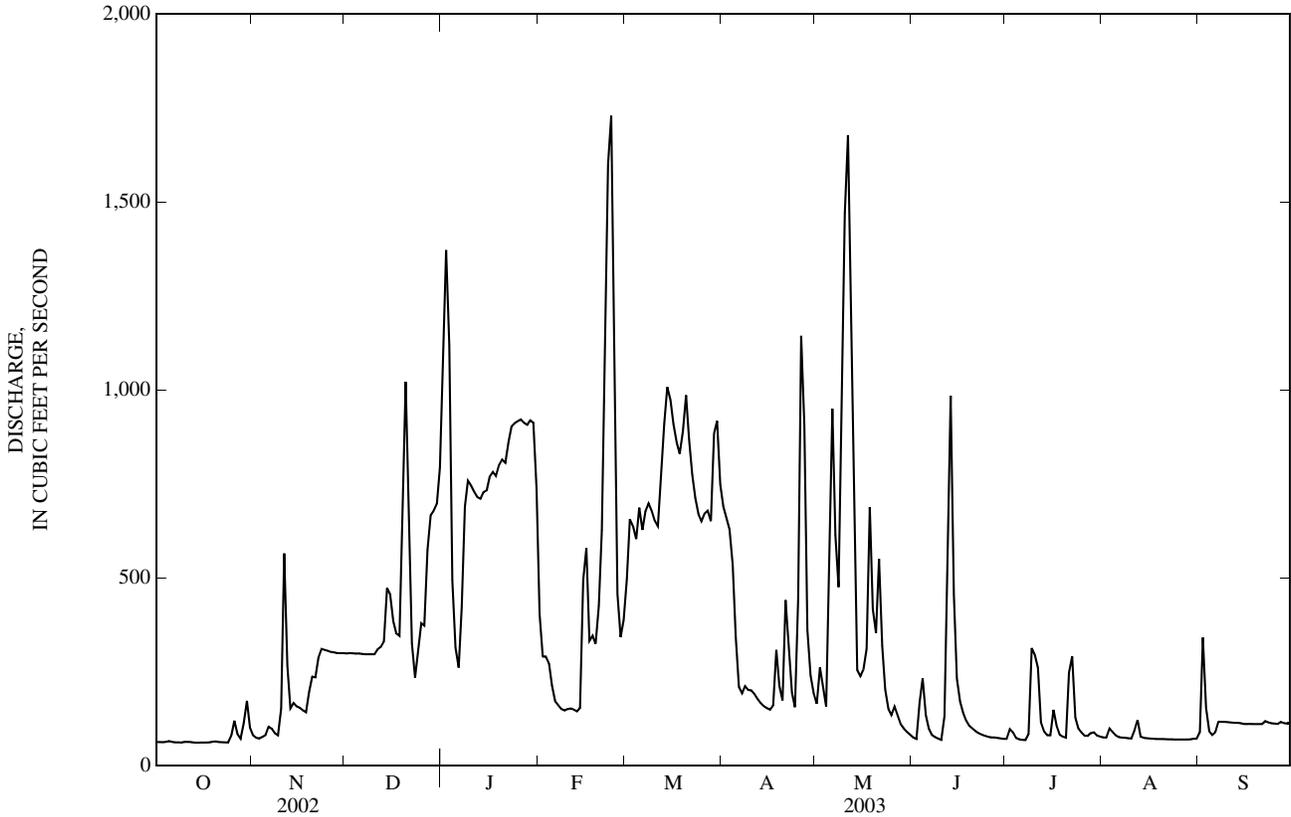
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	81	299	1,150	404	496	690	165	75	72	76	89
2	63	75	300	1,370	291	656	659	261	71	97	75	341
3	63	73	299	1,120	291	638	629	210	169	89	99	154
4	64	77	299	494	273	603	535	158	233	74	90	92
5	66	82	299	314	214	687	344	604	135	71	81	82
6	64	104	298	261	172	627	210	949	99	69	77	90
7	62	99	297	422	161	677	193	613	82	68	75	117
8	63	87	297	690	151	698	212	476	76	84	75	117
9	62	81	297	758	147	679	202	929	72	313	73	117
10	64	152	297	745	151	651	201	1,470	69	296	73	116
11	64	565	310	729	152	637	191	1,680	132	261	93	115
12	63	266	317	715	150	769	178	1,350	643	116	122	115
13	62	153	330	710	145	910	167	612	985	92	78	115
14	62	167	473	728	154	1,010	159	255	456	81	75	114
15	62	158	457	733	495	974	154	238	232	81	73	112
16	62	154	385	769	579	908	149	256	171	149	73	111
17	62	148	352	782	332	860	160	311	141	107	72	112
18	62	142	346	771	346	830	308	688	120	83	72	111
19	64	198	762	800	325	889	213	417	107	78	72	111
20	65	237	1,020	815	425	986	174	353	99	75	71	111
21	63	236	698	806	627	868	441	550	92	247	71	111
22	63	287	326	861	1,230	774	309	320	87	291	71	119
23	63	311	235	903	1,600	713	195	203	83	129	70	115
24	62	308	303	912	1,730	670	156	152	80	99	70	113
25	81	306	380	917	1,160	651	443	135	77	89	70	112
26	120	303	373	921	458	671	1,140	158	76	80	70	112
27	84	302	574	913	342	679	905	133	76	80	70	117
28	72	300	667	907	387	651	361	111	75	87	70	114
29	114	300	679	919	---	885	240	98	73	89	70	113
30	173	300	697	913	---	917	194	90	72	81	72	112
31	102	---	793	737	---	748	---	82	---	78	72	---
TOTAL	2,259	6,052	13,459	24,585	12,892	23,412	10,112	14,027	4,958	3,706	2,371	3,580
MEAN	72.9	202	434	793	460	755	337	452	165	120	76.5	119
MAX	173	565	1,020	1,370	1,730	1,010	1,140	1,680	985	313	122	341
MIN	62	73	235	261	145	496	149	82	69	68	70	82
CFSM	0.28	0.77	1.66	3.03	1.76	2.88	1.29	1.73	0.63	0.46	0.29	0.46
IN.	0.32	0.86	1.91	3.49	1.83	3.32	1.44	1.99	0.70	0.53	0.34	0.51

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

MEAN	102	227	432	630	666	765	598	429	207	122	101	91.0
MAX	494	800	1,506	2,742	1,898	2,543	1,574	2,034	1,044	787	530	484
(WY)	(1980)	(1975)	(1952)	(1950)	(1950)	(1964)	(1972)	(1996)	(1996)	(1958)	(1977)	(1979)
MIN	0.000	0.000	0.17	17.5	27.7	144	54.1	29.8	8.66	0.074	0.000	0.000
(WY)	(1949)	(1954)	(1954)	(1964)	(1964)	(1992)	(2001)	(2001)	(1953)	(1954)	(1952)	(1953)

03375500 PATOKA RIVER AT JASPER, IN—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1949 - 2003	
ANNUAL TOTAL	167,210		121,413			
ANNUAL MEAN	458		333		363	
HIGHEST ANNUAL MEAN					673	1950
LOWEST ANNUAL MEAN					63.6	1954
HIGHEST DAILY MEAN	3,120	May 14	1,730	Feb 24	13,500	Mar 11, 1964
LOWEST DAILY MEAN	58	Sep 26	62	Oct 7	0.00	Oct 1, 1948
ANNUAL SEVEN-DAY MINIMUM	61	Sep 2	62	Oct 12	0.00	Oct 1, 1948
MAXIMUM PEAK FLOW			1,810	Feb 24	14,100	Mar 11, 1964
MAXIMUM PEAK STAGE			14.60	Feb 24	21.20	Mar 11, 1964
ANNUAL RUNOFF (CFSM)	1.75		1.27		1.38	
ANNUAL RUNOFF (INCHES)	23.74		17.24		18.81	
10 PERCENT EXCEEDS	1,080		821		1,050	
50 PERCENT EXCEEDS	271		173		134	
90 PERCENT EXCEEDS	63		71		7.8	



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. 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 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	96	270	375	1,940	877	3,440	1,310	987	230	118	122	112
2	80	149	369	2,040	717	2,880	1,220	774	195	115	116	117
3	75	112	364	2,010	523	2,480	1,090	691	404	112	110	279
4	76	e94	362	2,070	506	2,240	980	566	740	124	126	319
5	84	e90	364	2,160	547	2,110	868	1,350	635	125	133	174
6	106	e140	363	2,180	441	1,920	708	1,960	453	110	131	122
7	97	269	362	2,050	333	1,680	563	2,030	319	104	125	107
8	81	213	358	1,770	272	1,450	513	2,350	247	102	111	111
9	73	147	359	1,460	242	1,280	481	2,720	204	133	104	131
10	71	172	372	1,260	234	1,130	478	2,630	181	281	100	133
11	73	931	394	1,100	240	1,020	519	2,680	229	411	98	133
12	79	1,200	492	979	254	953	454	2,720	1,110	369	102	133
13	77	1,200	568	896	244	1,000	383	2,660	1,580	240	140	133
14	74	980	867	843	239	1,130	327	2,530	1,780	154	139	132
15	71	621	992	804	562	1,150	286	2,490	1,790	130	110	131
16	71	388	929	784	1,130	1,150	260	2,450	1,710	140	100	128
17	70	299	771	782	1,190	1,130	301	2,670	1,380	157	97	125
18	68	242	652	792	1,060	1,100	533	2,660	950	180	96	123
19	68	208	1,210	793	877	1,110	628	2,410	620	142	93	123
20	69	202	1,790	799	982	1,270	543	2,210	369	119	92	123
21	75	262	1,680	815	1,390	1,310	677	2,050	242	167	90	124
22	73	292	1,640	820	2,390	1,340	923	1,860	185	741	90	138
23	70	307	1,650	827	3,010	1,310	839	1,650	159	786	89	158
24	71	355	1,590	873	3,020	1,230	596	1,330	144	445	89	155
25	78	367	1,390	1,040	3,480	1,110	894	1,020	139	215	89	136
26	222	361	1,150	1,170	4,100	1,060	1,840	968	129	149	89	130
27	319	354	946	1,300	4,340	1,010	1,700	891	122	132	88	134
28	184	366	837	1,310	4,060	973	1,640	700	121	118	90	145
29	131	398	885	1,260	---	1,250	1,560	516	117	174	90	145
30	435	382	930	1,060	---	1,350	1,330	380	117	161	93	135
31	496	---	1,090	928	---	1,330	---	287	---	132	98	---
TOTAL	3,713	11,371	26,101	38,915	37,260	44,896	24,444	53,190	16,601	6,586	3,240	4,289
MEAN	120	379	842	1,255	1,331	1,448	815	1,716	553	212	105	143
MAX	496	1,200	1,790	2,180	4,340	3,440	1,840	2,720	1,790	786	140	319
MIN	68	90	358	782	234	953	260	287	117	102	88	107
CFSM	0.20	0.63	1.40	2.08	2.21	2.40	1.35	2.85	0.92	0.35	0.17	0.24
IN.	0.23	0.70	1.61	2.40	2.30	2.77	1.51	3.28	1.02	0.41	0.20	0.26

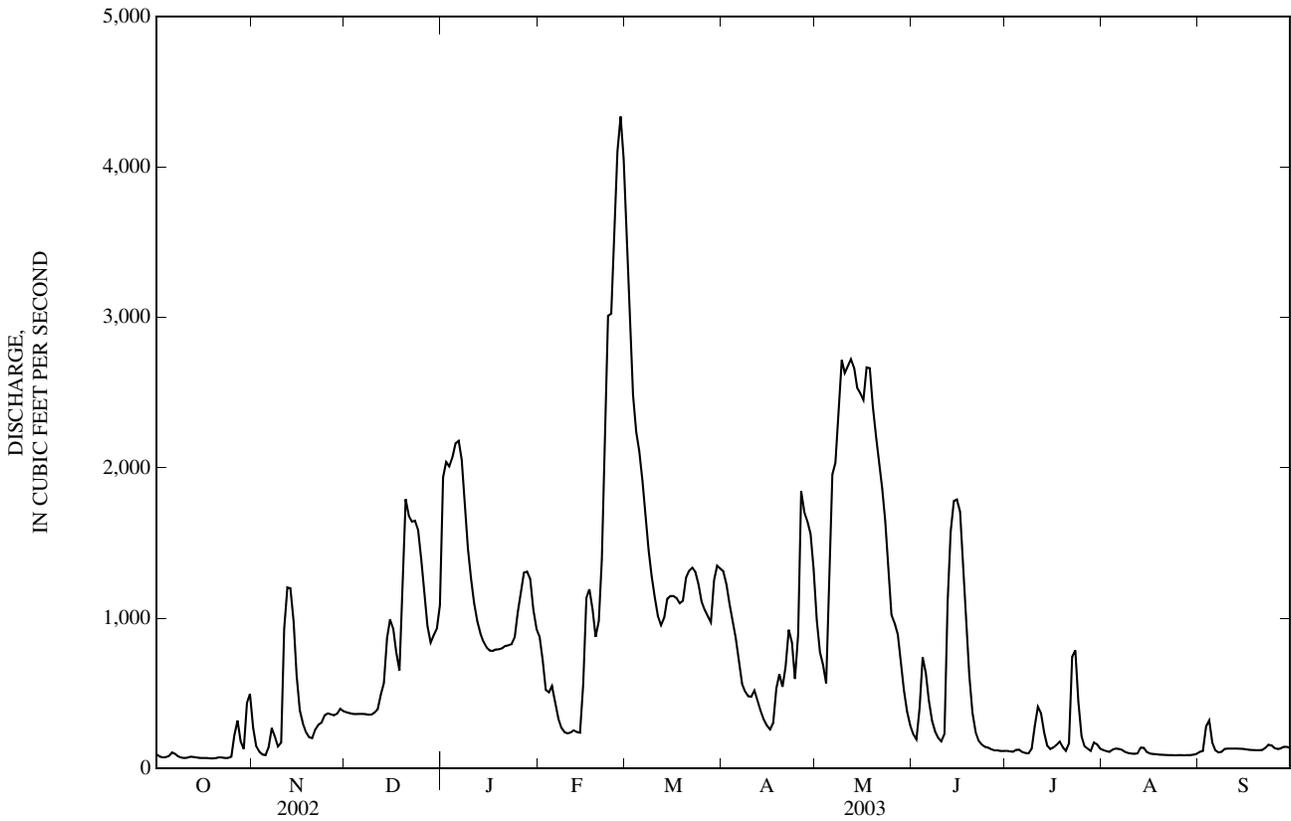
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2003, BY WATER YEAR (WY)

MEAN	167	384	840	1,067	1,358	1,567	1,391	1,182	561	298	185	183
MAX	653	2,218	3,175	2,576	2,832	5,126	3,426	4,863	2,958	1,305	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)

03376300 PATOKA RIVER AT WINSLOW, IN—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1964 - 2003	
ANNUAL TOTAL	385,106		270,606			
ANNUAL MEAN	1,055		741		762	
HIGHEST ANNUAL MEAN					1,332	1997
LOWEST ANNUAL MEAN					224	1992
HIGHEST DAILY MEAN	8,620	May 15	4,340	Feb 27	15,200	Mar 13, 1964
LOWEST DAILY MEAN	62	Sep 12	68	Oct 18	0.50	Aug 5, 1964
ANNUAL SEVEN-DAY MINIMUM	63	Sep 7	70	Oct 14	0.61	Sep 8, 1972
MAXIMUM PEAK FLOW			4,410	Feb 27	15,500	Mar 13, 1964
MAXIMUM PEAK STAGE			23.39	Feb 27	28.84	Mar 13, 1964
ANNUAL RUNOFF (CFSM)	1.75		1.23		1.26	
ANNUAL RUNOFF (INCHES)	23.76		16.69		17.16	
10 PERCENT EXCEEDS	2,600		1,880		2,020	
50 PERCENT EXCEEDS	466		383		309	
90 PERCENT EXCEEDS	79		95		27	

e Estimated



03376350 SOUTH FORK PATOKA RIVER NEAR SPURGEON, IN

LOCATION.--Lat 38°17'49", long 87°15'37", in NW¼SW¼ 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 and those below 80 ft³/s, which are poor. Runoff affected by un-reclaimed surface mined lands.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.6	9.1	8.6	497	19	99	41	47	35	19	14	10
2	7.4	8.3	8.8	135	20	102	36	51	36	17	14	12
3	7.0	9.5	9.1	84	24	80	32	39	e125	16	14	12
4	13	12	8.6	55	31	82	31	40	e54	15	13	9.9
5	13	20	10	45	e20	99	31	1,060	e37	15	12	8.6
6	8.8	20	e9.8	36	e18	74	26	201	30	15	11	7.9
7	7.9	11	9.7	32	e17	55	42	414	27	14	10	7.6
8	7.2	10	9.8	31	e16	51	34	384	26	15	9.6	7.5
9	6.5	11	9.6	29	e15	44	35	464	24	18	9.2	7.3
10	8.2	172	10	25	e14	38	42	133	24	20	9.0	7.4
11	8.0	147	16	e24	e14	36	35	137	79	16	8.5	7.4
12	7.3	32	18	e23	e15	46	30	87	396	14	8.6	e7.2
13	6.9	20	50	e21	e16	67	27	68	103	13	8.6	e7.0
14	6.0	16	82	e21	28	56	26	59	119	13	8.4	e6.6
15	5.9	16	37	e20	125	48	25	125	56	13	8.8	e7.0
16	5.9	14	26	e20	e100	41	27	82	43	17	9.0	e6.8
17	6.0	13	26	e19	e90	39	72	507	38	13	8.5	e6.7
18	5.9	12	28	e19	e78	38	52	218	32	13	8.2	e6.6
19	7.6	14	420	e18	67	133	37	110	28	14	7.9	e6.4
20	7.9	13	180	e18	147	95	59	106	25	12	8.0	e6.7
21	7.2	15	75	e17	268	84	78	88	23	100	8.5	e6.5
22	6.9	13	50	e17	1,160	58	49	68	22	29	8.4	e6.8
23	6.8	11	38	e16	458	46	32	57	21	17	9.9	e8.0
24	6.2	11	36	e16	151	39	28	50	20	15	7.9	e8.8
25	47	10	42	e17	e90	37	374	121	20	14	8.1	e9.0
26	21	9.5	33	e17	e74	54	168	94	22	12	7.9	e6.0
27	10	9.3	30	e16	e66	42	82	65	23	11	8.0	e6.6
28	9.3	9.0	33	e17	e68	40	63	51	18	12	7.8	e7.6
29	42	9.2	36	e18	---	138	48	47	21	12	7.5	e8.4
30	18	9.3	50	e17	---	63	38	40	24	12	10	e8.8
31	11	---	147	e16	---	46	---	38	---	18	11	---
TOTAL	339.4	686.2	1,547.0	1,356	3,209	1,970	1,700	5,051	1,551	554	295.3	235.1
MEAN	10.9	22.9	49.9	43.7	115	63.5	56.7	163	51.7	17.9	9.53	7.84
MAX	47	172	420	497	1,160	138	374	1,060	396	100	14	12
MIN	5.9	8.3	8.6	16	14	36	25	38	18	11	7.5	6.0
CFSM	0.26	0.53	1.17	1.02	2.68	1.48	1.32	3.81	1.21	0.42	0.22	0.18
IN.	0.29	0.60	1.34	1.18	2.79	1.71	1.48	4.39	1.35	0.48	0.26	0.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2003, BY WATER YEAR (WY)

MEAN	15.9	38.4	61.3	59.1	82.8	93.1	86.9	72.8	43.8	31.3	23.0	17.1
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

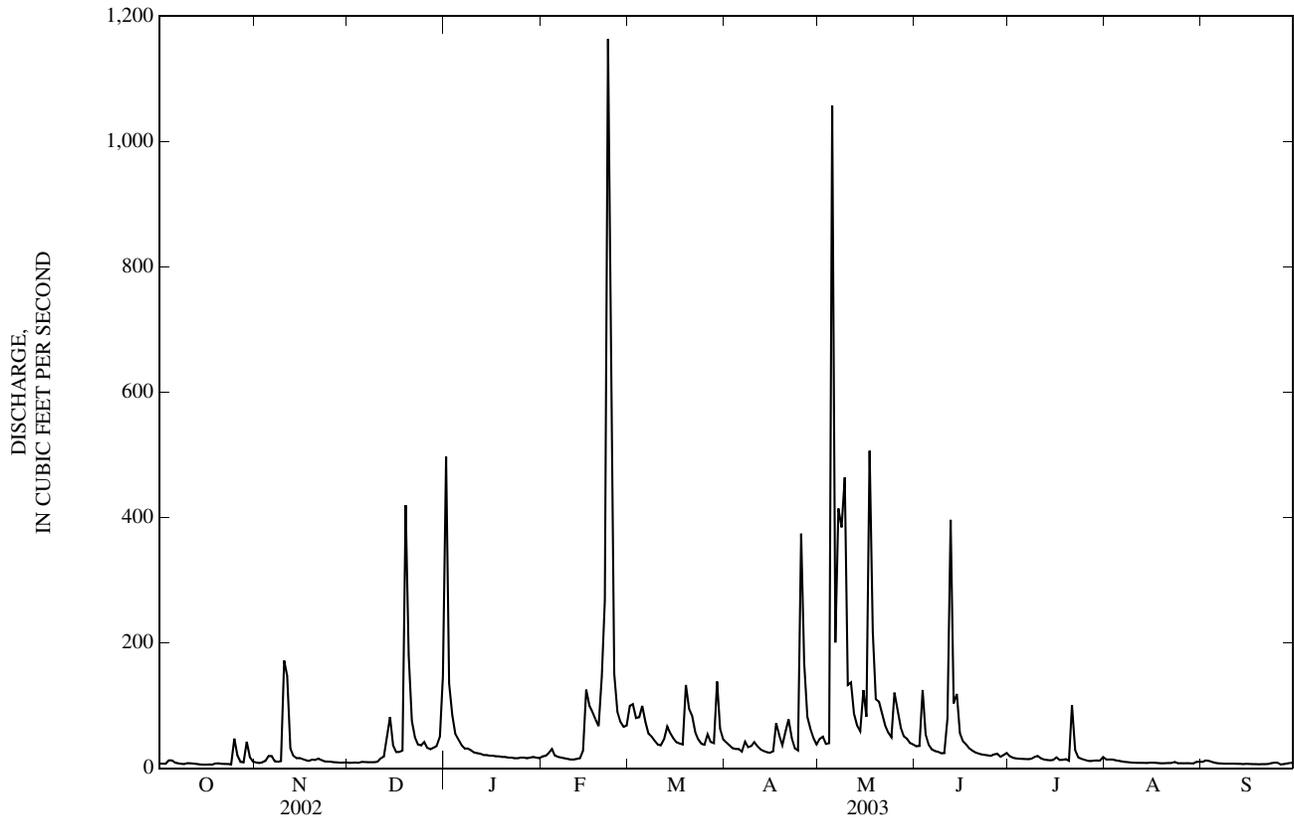
FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1965 - 2003

ANNUAL TOTAL	23,381.4	18,494.0	
ANNUAL MEAN	64.1	50.7	52.0
HIGHEST ANNUAL MEAN			118
LOWEST ANNUAL MEAN			25.3
HIGHEST DAILY MEAN	1,450	May 13	1,160
LOWEST DAILY MEAN	5.9	Oct 15	5.9
ANNUAL SEVEN-DAY MINIMUM	6.3	Oct 12	6.3
MAXIMUM PEAK FLOW			2,120
MAXIMUM PEAK STAGE			10.73
ANNUAL RUNOFF (CFSM)	1.50		1.18
ANNUAL RUNOFF (INCHES)	20.32		16.07
10 PERCENT EXCEEDS	139		100
50 PERCENT EXCEEDS	29		20
90 PERCENT EXCEEDS	7.5		7.6
			15.07
			1.21
			16.49
			112
			22
			6.4

e Estimated



03376350 SOUTH FORK PATOKA RIVER NEAR SPURGEON, IN

Results for water-quality data collected for the South Fork Patoka River. The data were collected through a cooperative investigation with the Division of Reclamation of the Indiana Department of Natural Resources with oversight from the Patoka South Fork Watershed Steering Committee. The data show specific conductance and pH based upon measurements in the gage house with a continuous water-quality monitor. Data were collected every 15 minutes (referred to as instantaneous data) and these data were used to determine daily values. Data were collected during water years 1999 through 2002. Data were adjusted with respect to in-stream measurements following guidelines published in U.S. Geological Survey Water Resources Investigations Report 00-4252.

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, 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.

REMARKS.--Runoff affected by un-reclaimed surface mined lands.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	3,580	3,330	2,750	808	1,850	---	1,680	3,270	1,590	3,310	3,600
2	---	---	3,240	2,240	1,100	1,960	---	2,000	2,240	1,260	3,360	---
3	---	3,360	3,110	1,440	1,310	2,050	---	2,220	2,450	1,670	3,400	3,490
4	---	3,390	3,230	1,910	1,490	2,230	---	2,520	2,750	1,940	3,400	3,520
5	---	3,540	3,200	2,170	1,630	2,250	---	2,270	2,270	2,220	3,410	3,550
6	---	3,550	3,230	2,270	1,810	1,270	---	1,060	2,560	---	3,420	3,570
7	---	3,540	1,950	2,300	1,220	1,630	---	1,530	2,540	---	3,440	3,590
8	---	3,550	2,270	2,330	1,400	1,780	---	---	2,700	2,340	3,370	3,640
9	---	3,590	2,510	1,760	1,540	775	---	---	2,850	---	3,420	3,710
10	---	3,160	2,670	2,120	1,640	1,280	---	---	---	2,570	3,440	---
11	---	3,080	2,790	2,270	1,700	1,540	---	2,320	3,060	2,700	3,450	3,730
12	---	3,250	2,820	2,140	1,110	1,710	---	2,410	3,120	2,760	3,450	---
13	---	3,350	2,860	1,060	1,410	1,870	---	2,540	3,040	2,880	3,490	---
14	---	3,410	2,900	1,290	1,610	1,660	---	2,680	3,040	2,940	3,510	3,710
15	---	3,420	2,890	1,540	1,690	1,300	---	2,760	---	2,980	3,530	3,720
16	---	3,420	3,030	1,640	1,720	1,020	---	2,880	3,140	3,000	3,540	3,720
17	---	3,470	3,000	1,470	1,580	1,140	---	2,940	3,230	3,020	3,550	3,720
18	---	3,520	3,030	1,080	1,700	1,510	---	2,770	3,290	2,970	3,570	3,720
19	---	3,510	3,010	1,460	1,770	1,700	---	2,840	3,290	3,050	3,580	3,720
20	---	3,140	3,030	1,590	1,920	1,810	---	2,980	3,300	3,100	3,610	3,700
21	---	3,170	2,030	1,240	2,000	1,960	---	3,070	3,320	3,140	3,610	3,680
22	3,270	3,290	1,460	741	2,060	2,130	---	2,950	3,340	3,140	3,620	3,700
23	3,350	3,350	1,920	797	1,950	1,350	---	3,000	3,310	3,170	3,620	3,700
24	3,410	3,380	---	1,160	1,790	1,280	2,930	2,990	3,130	3,110	3,620	3,710
25	3,450	3,310	2,210	1,360	1,860	---	3,050	3,120	3,170	3,130	3,630	3,710
26	3,450	2,440	2,320	1,510	2,110	---	2,450	3,190	3,040	3,180	3,640	3,700
27	---	2,900	2,360	1,580	2,090	---	1,510	3,280	2,900	3,240	3,630	3,700
28	3,510	3,090	2,390	1,660	1,500	---	752	3,330	1,570	3,260	3,610	3,690
29	3,530	3,190	2,370	1,770	---	---	990	3,340	1,740	3,220	3,600	3,650
30	3,550	3,200	2,460	1,880	---	---	1,390	3,290	2,200	3,220	3,600	3,640
31	3,560	---	2,550	1,210	---	---	---	3,200	---	3,280	3,600	---

MISCELLANEOUS WATER-QUALITY STATION ANALYSIS

03376350 SOUTH FORK PATOKA RIVER NEAR SPURGEON, IN—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,660	3,620	3,660	2,980	---	1,380	2,540	2,960	---	2,340	3,010	1,950
2	3,660	3,570	3,710	3,000	---	1,520	2,330	2,960	---	2,490	3,080	2,110
3	3,690	3,570	3,680	1,560	---	1,640	---	2,980	---	2,560	3,150	2,180
4	3,700	3,600	3,620	---	---	1,680	2,140	2,910	---	2,600	---	2,320
5	3,700	3,650	3,550	1,910	---	1,790	2,280	2,870	---	2,440	3,060	2,420
6	3,680	3,670	---	2,370	---	1,870	2,380	2,930	---	2,480	2,720	2,490
7	3,690	3,680	3,540	2,560	---	1,980	2,450	2,990	---	2,570	2,000	2,530
8	3,630	3,750	3,560	2,610	---	2,170	1,450	2,990	---	2,660	1,360	2,620
9	3,170	---	---	2,710	---	2,240	1,750	3,020	---	2,730	---	2,580
10	3,050	3,990	2,920	2,830	---	2,280	1,960	---	2,990	2,790	---	2,530
11	3,240	4,000	3,000	3,050	---	2,160	2,090	---	2,960	2,810	2,180	2,530
12	3,310	---	2,790	3,130	---	1,940	---	3,080	3,220	2,750	2,350	1,620
13	3,310	4,120	2,380	3,150	---	2,050	2,290	3,030	2,820	2,760	2,500	1,840
14	3,260	4,150	2,230	3,390	---	2,130	2,470	3,100	3,040	2,790	2,630	2,090
15	3,300	---	2,230	3,460	---	2,220	2,460	3,170	3,140	---	2,720	2,260
16	3,340	---	2,360	3,490	---	1,490	2,570	3,200	3,140	2,910	2,800	2,390
17	3,380	---	2,680	3,650	---	1,300	2,490	3,230	1,090	2,950	2,890	---
18	3,420	---	2,850	3,680	---	1,520	2,540	3,240	1,240	2,950	2,020	2,540
19	3,430	3,700	2,920	---	---	1,340	2,510	3,220	1,470	2,270	2,500	2,600
20	3,470	3,590	2,840	---	---	1,070	2,560	3,250	1,720	2,570	2,740	2,640
21	3,500	3,550	2,820	---	---	1,360	2,570	3,280	1,670	2,950	2,880	2,530
22	3,500	3,560	3,020	---	---	1,580	2,800	3,300	1,830	3,080	2,990	2,610
23	3,500	3,570	3,050	---	---	1,760	2,790	2,950	2,020	3,160	2,260	2,640
24	3,530	3,700	2,960	---	---	1,910	2,670	2,880	2,070	3,250	909	2,530
25	3,540	3,580	3,220	---	---	---	2,570	3,090	2,190	3,300	1,400	1,520
26	3,540	3,630	3,160	---	---	---	2,650	3,160	2,100	3,340	1,670	1,310
27	3,530	3,660	3,180	---	---	---	2,730	3,090	1,590	3,360	805	1,690
28	3,520	3,640	3,180	---	---	---	2,790	3,110	1,690	3,100	1,260	1,910
29	3,540	---	3,110	---	---	---	2,880	3,160	1,950	2,860	1,510	2,090
30	3,570	3,680	3,030	---	---	2,380	2,930	3,230	2,180	2,780	1,660	2,180
31	3,590	---	3,000	---	---	2,510	---	---	---	3,010	1,820	---

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,330	---	2,060	2,500	1,360	1,560	2,250	2,930	2,710	3,270	2,850	3,310
2	2,400	3,130	2,130	2,580	1,490	1,660	2,310	2,980	2,810	3,340	2,910	3,320
3	2,500	3,120	2,190	2,660	1,720	1,740	1,830	3,060	2,910	3,350	2,990	3,340
4	2,570	3,110	2,200	2,730	1,680	1,440	1,820	3,090	2,950	3,320	3,070	3,330
5	2,610	3,130	2,190	2,780	1,620	1,240	1,930	3,130	2,960	3,360	3,120	3,370
6	2,620	3,140	2,210	2,830	1,670	1,460	2,010	3,180	3,000	3,440	3,170	3,390
7	2,730	3,140	2,260	2,900	1,860	1,570	2,080	3,260	3,080	3,440	3,180	3,380
8	2,790	3,010	2,330	2,920	1,710	1,650	---	3,340	3,130	3,430	3,200	2,990
9	2,820	2,870	2,430	2,940	1,220	1,710	2,240	3,310	3,170	2,430	3,260	---
10	2,860	1,880	2,410	2,880	1,060	1,860	---	3,360	3,210	2,730	3,310	---
11	2,880	1,520	1,600	2,860	1,290	1,930	2,300	3,390	3,300	2,950	3,340	---
12	2,860	1,700	1,050	2,840	1,390	1,960	2,340	3,450	3,330	3,080	3,350	2,890
13	2,890	1,880	1,270	2,810	---	1,580	2,460	3,460	3,360	3,200	3,360	2,990
14	2,950	1,890	1,260	2,800	1,290	---	2,510	3,480	3,400	3,220	3,380	2,990
15	3,020	1,750	1,330	2,830	862	1,560	2,360	3,520	3,440	3,250	3,380	3,040
16	3,000	1,990	773	2,130	713	1,290	2,390	3,540	3,460	3,290	3,390	3,180
17	2,950	2,150	1,030	1,620	737	1,530	2,470	3,560	3,500	3,370	3,390	3,200
18	2,970	2,230	1,240	1,660	788	1,670	2,530	3,580	3,530	3,380	3,350	3,230
19	3,000	2,330	1,380	1,550	776	1,770	2,580	3,570	3,540	3,380	3,060	3,050
20	3,000	2,450	1,590	1,700	1,090	1,830	2,610	3,510	3,600	3,390	3,350	2,820
21	3,030	2,520	1,740	1,900	1,530	---	2,660	3,300	3,650	3,500	3,500	2,950
22	3,050	2,580	---	1,900	1,560	1,990	2,720	2,970	3,640	3,500	3,410	3,090
23	3,070	2,610	1,880	1,930	1,650	2,040	2,740	2,810	3,540	3,280	3,370	3,160
24	3,060	2,620	1,950	1,920	1,660	2,110	2,630	2,770	3,300	3,220	3,060	3,180
25	3,070	1,350	2,030	2,060	964	2,160	2,730	2,620	3,010	3,170	2,800	3,070
26	3,110	1,310	2,100	2,120	1,230	2,240	2,810	2,520	2,940	3,250	2,890	3,160
27	3,150	1,570	2,160	2,020	1,350	2,290	2,860	2,550	3,050	3,270	3,000	3,290
28	3,100	1,680	2,230	2,100	1,430	2,300	2,860	2,620	3,180	3,050	3,160	3,310
29	3,090	1,780	2,290	2,050	---	2,310	2,900	2,630	3,220	3,050	3,200	3,330
30	3,070	1,940	2,350	1,050	---	2,320	2,960	2,610	3,240	2,560	3,260	3,340
31	3,120	---	2,420	1,220	---	2,300	---	2,630	---	2,770	3,360	---

03376350 SOUTH FORK PATOKA RIVER NEAR SPURGEON, IN—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,370	2,420	1,090	---	---	---	943	---	2,840	3,110	3,490	3,520
2	3,380	2,480	1,310	---	---	---	1,180	---	2,820	3,140	3,530	3,520
3	3,390	2,560	1,430	---	---	---	1,460	---	---	3,170	3,510	3,520
4	3,410	2,670	1,540	---	---	---	1,700	---	---	3,180	3,510	3,520
5	3,330	2,670	---	---	---	---	1,850	---	2,910	3,210	3,510	3,550
6	3,200	2,800	---	---	---	---	1,960	---	2,940	3,230	3,520	3,550
7	3,240	2,840	---	---	---	---	2,060	---	2,960	3,250	3,570	3,560
8	3,340	2,820	---	---	---	---	2,170	---	2,990	3,260	3,600	3,560
9	3,400	2,840	---	---	---	---	2,260	---	3,030	3,280	3,620	3,570
10	3,390	2,870	---	---	---	---	2,330	---	3,050	3,310	3,630	3,560
11	3,140	2,920	---	---	---	---	2,380	---	3,080	3,330	3,630	3,590
12	2,200	2,910	---	---	---	---	2,320	---	3,090	3,350	3,620	3,590
13	2,420	2,930	---	---	---	---	2,020	---	3,010	3,360	3,600	3,590
14	1,670	2,960	---	---	---	---	1,690	---	2,970	3,370	3,520	3,620
15	1,570	2,970	---	---	---	---	1,400	---	2,980	3,380	3,520	3,630
16	1,950	2,980	---	---	---	---	1,300	---	2,990	3,380	3,550	3,640
17	2,040	3,010	---	---	---	---	1,220	---	2,990	3,390	3,560	3,630
18	2,200	3,000	---	---	---	---	---	---	2,990	3,390	3,560	3,600
19	2,330	3,030	---	---	---	---	---	---	2,990	3,370	3,550	3,550
20	2,430	2,960	---	---	---	---	---	---	2,950	3,360	3,530	3,320
21	2,530	2,950	---	---	---	---	---	---	2,890	3,350	3,530	3,250
22	2,600	3,000	---	---	---	---	---	2,750	2,850	3,350	3,520	3,160
23	---	3,100	---	---	---	---	---	2,780	2,830	3,370	3,550	3,100
24	---	3,050	---	---	---	---	---	2,840	2,840	3,370	3,550	3,170
25	1,060	2,030	---	---	---	---	---	2,850	2,880	3,380	3,570	3,270
26	1,300	1,960	---	---	---	---	---	2,850	2,930	3,390	3,590	3,350
27	1,590	1,400	---	---	---	---	---	2,860	2,980	3,390	3,600	3,410
28	1,810	1,040	---	---	---	---	---	2,880	3,030	3,400	3,600	3,460
29	2,000	793	---	---	---	1,270	---	2,890	3,060	3,420	3,590	3,500
30	2,150	829	---	---	---	750	---	2,890	3,090	3,440	3,560	3,530
31	2,360	---	---	---	---	830	---	---	---	3,450	3,550	---

MISCELLANEOUS WATER-QUALITY STATION ANALYSIS

03376350 SOUTH FORK PATOKA RIVER NEAR SPURGEON, IN—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEDIAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	7.0	7.0	7.0	6.4	6.7	---	6.8	7.3	6.4	7.2	6.9
2	---	---	6.9	6.9	6.5	6.8	---	6.8	6.8	6.4	7.2	---
3	---	6.4	6.9	6.7	6.6	6.7	---	6.9	7.0	6.5	7.0	7.2
4	---	6.6	6.7	6.8	6.6	6.7	---	7.2	7.1	6.7	7.3	7.1
5	---	7.2	6.6	6.8	6.7	6.7	---	6.7	6.7	6.8	7.3	7.1
6	---	7.2	6.6	6.8	6.8	6.5	---	6.6	7.0	6.8	7.1	7.1
7	---	7.1	6.3	6.8	6.4	6.7	---	7.0	6.9	---	7.3	7.1
8	---	7.1	6.6	6.8	6.6	6.6	---	---	7.0	6.8	7.1	7.0
9	---	7.1	6.8	6.8	6.6	6.2	---	---	7.1	---	7.3	6.9
10	---	7.2	6.8	6.8	6.6	6.5	---	---	---	6.8	7.2	---
11	---	7.1	6.8	7.0	6.4	6.5	---	7.0	7.1	6.9	7.3	7.0
12	---	7.2	6.8	6.6	6.2	6.4	---	7.0	7.2	6.9	7.3	---
13	---	7.2	6.6	6.2	6.6	6.4	---	7.0	6.8	6.9	7.2	---
14	---	7.2	6.6	6.6	6.7	6.4	---	7.1	7.0	6.9	7.4	7.1
15	---	7.2	7.0	6.8	6.7	6.3	---	7.1	---	6.9	7.3	7.1
16	---	7.1	6.9	6.7	6.6	6.2	---	7.2	6.9	7.0	7.2	7.2
17	---	7.1	6.8	6.6	6.3	6.1	---	7.2	7.1	7.0	7.2	7.1
18	---	7.2	6.8	6.3	6.6	6.2	---	7.0	7.1	6.9	7.2	7.1
19	---	7.1	6.7	6.7	6.7	6.3	---	7.2	7.0	7.0	7.2	7.0
20	---	6.7	6.5	6.7	6.8	6.2	---	7.2	7.0	7.0	7.2	7.0
21	---	6.8	6.6	6.4	6.8	6.2	---	7.3	7.1	7.0	7.3	6.9
22	7.0	7.0	6.8	6.3	6.8	6.2	---	7.3	7.1	6.9	7.2	7.0
23	7.0	7.0	7.0	6.6	6.8	6.0	---	7.3	7.0	7.0	7.2	7.0
24	7.0	7.0	---	6.7	6.6	6.4	7.2	7.2	6.7	7.0	7.2	7.0
25	7.0	7.1	6.9	6.6	6.7	---	7.1	7.2	7.0	7.0	7.2	7.0
26	7.0	6.4	7.0	6.6	6.7	---	6.8	7.3	7.1	7.1	7.0	7.0
27	---	6.9	6.9	6.6	6.7	---	6.8	7.3	6.8	7.1	6.6	7.0
28	7.0	7.0	6.9	6.6	6.5	---	6.7	7.3	6.5	7.0	6.8	7.0
29	7.0	7.0	6.8	6.8	---	---	6.6	7.3	6.7	7.0	6.9	6.9
30	7.0	7.0	6.8	6.8	---	---	6.8	7.3	6.8	7.3	7.0	6.9
31	7.0	---	7.0	6.5	---	---	---	7.2	---	7.3	7.0	---

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEDIAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.0	6.9	7.0	6.8	---	6.6	7.2	7.1	7.3	7.2	7.1	6.5
2	6.9	6.9	6.9	6.7	---	6.6	6.9	7.1	7.2	7.3	7.2	6.5
3	7.0	6.8	6.9	6.7	---	6.8	---	7.2	7.2	7.3	7.2	6.6
4	7.0	6.9	6.7	---	---	6.6	6.7	7.1	7.2	7.3	---	6.6
5	7.0	6.8	6.8	6.6	---	6.7	6.9	7.2	7.2	7.1	7.2	6.6
6	6.9	6.8	---	6.6	---	6.7	6.9	7.2	7.3	7.3	7.0	6.6
7	7.0	6.6	7.0	6.6	---	6.8	6.9	7.2	7.2	7.3	6.7	6.6
8	6.9	6.8	7.0	6.6	---	6.8	6.8	7.2	7.3	7.3	6.3	6.5
9	6.6	---	---	6.6	---	6.6	6.9	7.3	7.5	7.3	---	6.5
10	6.6	7.2	6.0	6.6	---	6.7	6.9	7.0	7.6	7.4	---	6.4
11	6.9	7.1	6.6	6.8	---	6.9	7.0	7.0	7.2	7.3	7.0	6.3
12	6.9	---	6.5	6.7	---	6.7	---	7.1	7.6	7.3	7.0	6.0
13	7.0	7.1	6.0	6.6	---	6.8	7.1	7.0	7.2	7.4	7.1	6.1
14	7.2	7.2	6.1	6.6	---	6.9	6.9	7.3	7.6	7.3	7.1	6.1
15	7.2	7.2	6.3	6.9	---	6.9	7.1	7.2	7.5	---	7.1	6.2
16	7.0	7.2	6.4	6.8	---	6.8	7.1	7.3	7.6	7.3	7.2	6.2
17	7.1	7.5	6.6	6.9	---	6.9	6.9	7.3	6.8	7.3	7.2	---
18	7.2	7.4	6.8	6.6	---	7.0	7.0	7.4	7.0	7.3	6.6	6.1
19	7.2	7.0	6.8	6.7	---	6.9	7.1	7.3	7.0	7.0	7.0	6.1
20	7.2	6.4	6.6	6.3	---	6.9	7.1	7.4	7.1	7.2	7.1	6.1
21	7.1	6.7	6.7	6.3	---	7.1	7.0	7.4	7.0	7.2	7.1	5.9
22	7.1	6.9	6.8	6.2	---	7.2	7.2	7.4	7.1	7.2	7.0	6.0
23	7.0	6.9	6.8	6.2	---	7.3	7.2	7.0	7.2	7.2	6.9	6.0
24	7.2	7.0	6.8	---	---	7.3	7.0	7.3	6.9	7.2	6.4	5.9
25	7.1	7.0	6.8	---	---	7.3	7.0	7.4	7.1	7.2	6.5	6.0
26	6.9	7.0	6.7	---	---	7.1	7.1	7.5	7.2	7.3	6.6	6.3
27	6.9	7.0	6.8	---	---	7.1	7.2	7.2	6.9	7.2	6.3	6.4
28	6.9	7.0	6.9	---	---	7.2	7.1	7.5	7.0	7.1	6.4	6.5
29	7.0	---	6.8	---	---	---	7.2	7.5	7.2	7.1	6.4	6.5
30	6.9	7.0	6.7	---	---	7.2	7.2	7.5	7.2	6.7	6.5	6.6
31	6.9	---	6.7	---	---	7.2	---	7.6	---	7.1	6.6	---

03376350 SOUTH FORK PATOKA RIVER NEAR SPURGEON, IN—Continued

 PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
 WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
 DAILY MEDIAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.6	---	7.0	6.4	6.8	6.8	7.0	7.4	7.6	7.3	7.2	7.4
2	6.6	6.7	7.0	6.4	6.8	6.9	7.0	7.4	7.6	7.3	7.2	7.3
3	6.6	6.7	7.0	6.4	6.9	6.8	6.7	7.4	7.6	7.3	7.2	7.3
4	6.6	6.7	7.1	6.5	6.9	6.8	6.9	7.5	7.5	7.2	7.2	7.3
5	6.6	6.6	7.1	6.5	6.9	6.9	7.0	7.6	7.5	7.2	7.3	7.3
6	6.6	6.7	7.1	6.5	6.9	6.8	7.0	7.5	7.4	7.3	7.2	7.3
7	6.6	6.6	7.1	6.5	6.9	6.8	7.0	7.6	7.3	7.3	7.3	7.3
8	6.7	6.7	7.1	6.6	6.7	6.9	---	7.6	7.4	7.3	7.4	7.4
9	6.6	6.7	7.1	6.6	6.6	6.9	7.0	7.7	7.4	6.7	7.4	---
10	6.7	6.8	7.1	6.6	6.8	6.8	---	7.7	7.4	6.9	7.4	---
11	6.8	6.8	7.1	6.6	6.9	6.9	6.9	7.7	7.3	7.0	7.4	---
12	6.8	6.8	6.7	6.6	6.9	6.9	6.9	7.8	7.3	7.2	7.4	7.3
13	6.8	6.8	6.7	6.6	---	6.9	7.0	7.8	7.3	7.2	7.3	7.3
14	6.8	6.8	6.6	6.6	6.7	---	7.0	7.7	7.3	7.1	7.3	7.3
15	6.8	7.1	6.7	6.6	6.6	6.8	6.9	7.6	7.2	7.0	7.2	7.4
16	6.7	7.1	6.5	6.8	6.6	6.7	7.0	7.6	7.3	7.0	7.2	7.4
17	6.7	7.1	6.6	6.9	6.6	6.7	7.0	7.6	7.2	7.2	7.2	7.3
18	6.6	7.1	6.6	6.9	6.6	6.8	7.0	7.5	7.2	7.1	7.2	7.2
19	6.7	7.1	6.7	6.8	6.7	6.8	7.1	7.6	7.2	7.0	6.6	7.3
20	6.7	7.1	6.6	6.9	6.7	6.8	7.2	7.6	7.3	7.0	7.1	7.3
21	6.8	7.1	6.4	6.9	6.7	---	7.2	7.7	7.3	7.0	7.2	7.2
22	6.7	7.1	---	6.9	6.8	6.9	7.2	7.7	7.3	7.1	7.2	7.1
23	6.7	7.1	6.4	7.0	6.9	6.9	7.3	7.7	7.2	7.1	7.2	7.2
24	6.7	7.1	6.3	7.0	6.9	6.9	7.0	7.7	7.2	7.1	7.2	7.2
25	6.7	6.6	6.3	7.0	6.8	6.9	7.1	7.8	7.2	7.2	6.9	7.3
26	6.7	6.6	6.3	7.0	6.8	6.9	7.1	7.7	7.2	7.3	7.0	7.3
27	6.7	6.8	6.4	7.0	6.8	7.0	7.2	7.7	7.3	7.3	7.2	7.3
28	6.8	6.8	6.4	7.0	6.8	7.0	7.3	7.7	7.3	7.3	7.2	7.3
29	6.8	6.9	6.4	7.0	---	7.0	7.4	7.6	7.3	7.2	7.2	7.3
30	6.8	7.0	6.4	6.6	---	7.0	7.4	7.5	7.3	7.3	7.2	7.2
31	6.7	---	6.4	6.7	---	7.0	---	7.6	---	7.2	7.4	---

 PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
 WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
 DAILY MEDIAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.2	7.1	7.1	---	---	---	7.1	---	6.9	7.1	7.1	7.6
2	7.2	7.0	7.0	---	---	---	7.1	---	6.9	7.1	7.1	7.6
3	7.2	7.1	7.0	---	---	---	7.1	---	---	7.1	7.3	7.6
4	7.3	7.1	7.0	---	---	---	7.1	---	---	7.1	7.3	7.5
5	7.3	7.1	---	---	---	---	7.1	---	7.0	7.1	7.4	7.5
6	7.3	7.1	---	---	---	---	7.1	---	7.1	7.1	7.5	7.4
7	7.2	7.0	---	---	---	---	7.1	---	7.1	7.2	7.6	7.3
8	7.2	7.0	---	---	---	---	7.1	---	7.1	7.1	7.6	7.3
9	7.2	7.1	---	---	---	---	7.1	---	7.0	7.1	7.6	7.4
10	7.1	7.1	---	---	---	---	7.1	---	7.0	7.1	7.6	7.4
11	7.1	7.1	---	---	---	---	7.1	---	7.0	7.2	7.6	7.4
12	7.1	7.1	---	---	---	---	7.1	---	6.8	7.2	7.5	7.5
13	7.1	7.1	---	---	---	---	7.0	---	6.9	7.2	7.5	7.5
14	7.1	7.1	---	---	---	---	7.1	---	7.1	7.2	7.4	7.3
15	7.1	7.0	---	---	---	---	7.1	---	7.1	7.2	7.5	7.3
16	7.1	7.0	---	---	---	---	7.0	---	7.1	7.2	7.5	7.3
17	7.2	7.0	---	---	---	---	7.0	---	7.1	7.2	7.5	7.4
18	7.1	7.0	---	---	---	---	---	---	7.1	7.2	7.5	7.4
19	7.1	7.0	---	---	---	---	---	---	7.1	7.2	7.5	7.4
20	7.1	7.1	---	---	---	---	---	---	7.1	7.2	7.4	7.3
21	7.0	7.1	---	---	---	---	---	---	7.1	7.1	7.4	7.4
22	7.0	7.1	---	---	---	---	---	6.6	7.1	7.2	7.4	7.4
23	---	7.0	---	---	---	---	---	6.6	7.1	7.2	7.4	7.5
24	---	6.9	---	---	---	---	---	6.7	7.1	7.2	7.5	7.5
25	7.2	7.0	---	---	---	---	---	6.8	7.1	7.2	7.5	7.5
26	7.2	7.0	---	---	---	---	---	6.9	7.1	7.2	7.5	7.5
27	7.2	7.0	---	---	---	---	---	6.9	7.1	7.2	7.5	7.5
28	7.2	7.2	---	---	---	---	---	6.9	7.1	7.2	7.5	7.4
29	7.2	7.1	---	---	---	6.8	---	6.9	7.1	7.2	7.6	7.4
30	7.1	7.1	---	---	---	7.0	---	6.9	7.1	7.2	7.6	7.4
31	7.1	---	---	---	---	7.1	---	---	---	7.2	7.6	---

MISCELLANEOUS WATER-QUALITY STATION ANALYSIS

03376350 SOUTH FORK PATOKA RIVER NEAR SPURGEON, IN

Results for suspended-sediment data collected for the South Fork Patoka River. The data were collected through a cooperative investigation with the Division of Reclamation of the Indiana Department of Natural Resources with oversight from the Patoka South Fork Watershed Steering Committee. Samples were collected by a automated sampler located in the gage house. No data adjustments were made with respect to in-stream suspended-sediment data.

LOCATION.--Lat 38°17'49", long 87°15'37", in NW¹/₄ SW¹/₄ sec. 36, T.2 S., R.8 W, Pike County, Hydrologic Unit 05120209, 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.

REMARKS.--Runoff affected by un-reclaimed surface mined lands.

[Date is in year-month-day; time is in military notation; mg/L, milligrams per liter]

Date	Time	SUSPENDED SEDIMENT (mg/L)	Date	Time	SUSPENDED SEDIMENT (mg/L)	Date	Time	SUSPENDED SEDIMENT (mg/L)
1998-10-21	0850	58	1999-01-26	0630	45	1999-04-12	1500	40
1998-10-21	0853	43	1999-01-26	1030	43	1999-04-13	1500	46
1998-10-21	0856	38	1999-01-26	1430	41	1999-04-14	1500	47
1998-11-04	1400	35	1999-02-25	1220	49	1999-04-15	1500	61
1998-12-21	1300	197	1999-02-25	1221	52	1999-04-16	1500	62
1998-12-22	1300	245	1999-02-25	1222	55	1999-04-17	1500	58
1999-01-21	1355	164	1999-02-25	1223	44	1999-04-23	1300	37
1999-01-21	1400	46	1999-02-25	1224	53	1999-04-24	1300	39
1999-01-21	1405	105	1999-02-25	1225	56	1999-04-25	1300	45
1999-01-21	1545	7.7	1999-02-25	1300	62	1999-04-26	1300	149
1999-01-21	1548	39	1999-02-26	1300	51	1999-04-27	1300	869
1999-01-21	1551	93	1999-02-27	1300	66	1999-04-28	1300	2380
1999-01-21	1700	48	1999-02-28	1300	70	1999-04-29	1300	142
1999-01-22	0500	130	1999-03-01	1300	56	1999-04-30	1300	99
1999-01-22	1200	330	1999-03-02	1300	48	1999-05-03	1300	49
1999-01-22	1230	308	1999-03-03	1300	58	1999-05-04	1300	47
1999-01-22	1235	350	1999-03-04	1300	49	1999-05-05	1300	62
1999-01-22	1240	343	1999-03-05	1300	55	1999-05-06	1300	111
1999-01-22	1245	303	1999-03-06	1300	118	1999-05-07	1300	173
1999-01-22	1250	292	1999-03-07	1300	74	1999-05-08	1300	35
1999-01-22	1255	240	1999-03-08	1300	53	1999-05-09	1300	36
1999-01-22	1300	228	1999-03-09	1300	265	1999-05-10	1300	42
1999-01-22	1305	236	1999-03-10	1300	175	1999-05-11	1300	33
1999-01-22	1310	290	1999-03-11	1300	52	1999-05-12	1130	31
1999-01-22	1315	133	1999-03-12	1300	49	1999-05-12	1405	28
1999-01-22	1320	234	1999-03-13	1300	53	1999-05-13	0800	24
1999-01-22	1430	326	1999-03-14	1300	88	1999-05-14	0800	24
1999-01-22	1500	414	1999-03-15	1300	29	1999-05-15	0800	31
1999-01-22	1530	522	1999-03-16	1300	57	1999-05-16	0800	63
1999-01-22	1600	600	1999-03-17	1300	108	1999-05-17	0800	56
1999-01-22	1630	1360	1999-03-18	1300	56	1999-05-18	0800	50
1999-01-22	1700	2210	1999-03-19	1300	44	1999-05-19	0800	36
1999-01-22	1730	2590	1999-03-20	1300	24	1999-05-20	0800	37
1999-01-22	1800	3080	1999-03-25	1411	62	1999-05-21	0800	211
1999-01-22	1830	3290	1999-03-25	1414	19	1999-05-22	0800	58
1999-01-22	2230	2540	1999-03-25	1417	40	1999-05-23	0800	49
1999-01-23	0230	1230	1999-03-25	1420	32	1999-05-24	0800	30
1999-01-23	0630	653	1999-03-25	1500	42	1999-05-25	0800	46
1999-01-23	1030	374	1999-03-26	1500	44	1999-05-26	0800	61
1999-01-23	1430	283	1999-03-27	1500	46	1999-05-27	0800	48
1999-01-23	1830	185	1999-03-28	1500	48	1999-05-28	0800	69
1999-01-23	2230	148	1999-03-29	1500	49	1999-05-29	0800	62
1999-01-24	0230	97	1999-03-30	1500	61	1999-05-30	0800	49
1999-01-24	0630	83	1999-03-31	1500	50	1999-05-31	0800	37
1999-01-24	1030	69	1999-04-01	1500	54	1999-06-01	0800	46
1999-01-24	1430	63	1999-04-02	1500	52	1999-06-02	0800	851
1999-01-24	1830	61	1999-04-03	1500	173	1999-06-02	1140	137
1999-01-24	2230	58	1999-04-04	1500	83	1999-06-02	1155	127
1999-01-25	0230	56	1999-04-05	1500	43	1999-06-02	1210	109
1999-01-25	0630	51	1999-04-06	1500	71	1999-06-02	1225	107
1999-01-25	1030	51	1999-04-07	1500	49	1999-06-02	1305	89
1999-01-25	1430	50	1999-04-08	1500	45	1999-06-03	0605	26
1999-01-25	1830	46	1999-04-09	1500	76	1999-06-04	0605	32
1999-01-25	2230	50	1999-04-10	1500	45	1999-06-05	0650	99
1999-01-26	0230	48	1999-04-11	1500	43	1999-06-06	0605	63

MISCELLANEOUS WATER-QUALITY STATION ANALYSIS--Continued

03376350 SOUTH FORK PATOKA RIVER NEAR SPURGEON, IN

Results for suspended-sediment data collected for the South Fork Patoka River. The data were collected through a cooperative investigation with the Division of Reclamation of the Indiana Department of Natural Resources with oversight from the Patoka South Fork Watershed Steering Committee. Samples were collected by a automated sampler located in the gage house. No data adjustments were made with respect to in-stream suspended-sediment data.

LOCATION.--Lat 38°17'49", long 87°15'37", in NW¹/₄ SW¹/₄ sec. 36, T.2 S., R.8 W, Pike County, Hydrologic Unit 05120209, 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.

REMARKS.--Runoff affected by un-reclaimed surface mined lands.

[Date is in year-month-day; time is in military notation; mg/L, milligrams per liter]

Date	Time	SUSPENDED SEDIMENT (mg/L)	Date	Time	SUSPENDED SEDIMENT (mg/L)	Date	Time	SUSPENDED SEDIMENT (mg/L)
1999-06-07	0605	46	1999-10-08	1220	21	1999-12-12	1200	79
1999-06-08	0605	53	1999-10-10	0020	120	1999-12-13	1200	41
1999-06-09	0605	21	1999-10-11	1220	33	1999-12-14	1200	43
1999-06-10	0605	45	1999-10-13	0020	31	1999-12-15	1200	37
1999-06-11	0605	30	1999-10-15	0037	27	1999-12-16	1200	35
1999-06-12	0605	33	1999-10-16	1237	23	1999-12-17	1200	37
1999-06-13	0605	49	1999-10-18	0037	18	1999-12-18	1200	32
1999-06-14	0605	43	1999-10-19	1237	25	1999-12-19	1200	35
1999-06-15	0605	37	1999-10-21	0037	23	1999-12-20	1200	50
1999-06-16	0705	42	1999-10-22	1237	24	1999-12-21	1200	32
1999-06-17	0705	60	1999-10-24	0037	19	1999-12-22	1200	32
1999-06-18	0705	40	1999-10-25	1237	52	1999-12-23	1200	38
1999-06-19	0705	55	1999-10-27	0037	26	1999-12-24	1200	35
1999-06-20	0705	60	1999-10-28	1237	19	1999-12-25	1200	49
1999-06-21	0705	48	1999-10-30	0037	17	1999-12-26	1200	35
1999-06-22	0705	48	1999-10-31	1237	18	1999-12-27	1200	40
1999-06-23	0705	58	1999-11-02	0037	11	1999-12-28	1200	62
1999-06-24	0705	47	1999-11-03	1237	40	1999-12-29	1200	54
1999-06-25	0705	20	1999-11-05	0037	72	1999-12-30	1200	35
1999-06-26	0705	42	1999-11-06	1237	37	2000-01-04	1519	58
1999-06-27	0705	44	1999-11-08	0037	25	2000-01-05	1200	63
1999-06-28	0705	50	1999-11-09	1200	7.0	2000-01-06	1200	57
1999-06-29	0705	101	1999-11-10	1200	16	2000-01-07	1200	68
1999-06-30	0705	63	1999-11-11	1200	6.6	2000-01-08	1200	70
1999-07-01	0705	118	1999-11-12	1200	10	2000-01-09	1200	67
1999-07-02	0705	165	1999-11-13	1200	39	2000-01-10	1200	54
1999-07-03	0705	202	1999-11-14	1200	24	2000-01-11	1200	41
1999-07-04	0705	41	1999-11-15	1200	24	2000-01-12	1200	47
1999-07-05	0705	31	1999-11-16	1200	36	2000-01-13	1200	55
1999-07-06	0705	14	1999-11-17	1200	28	2000-01-14	1200	57
1999-07-07	0705	14	1999-11-18	1200	36	2000-01-15	1200	54
1999-08-26	1250	46	1999-11-18	1855	24	2000-01-16	1200	51
1999-08-27	1250	45	1999-11-19	1855	38	2000-01-17	1200	44
1999-08-28	1250	25	1999-11-20	1855	44	2000-01-18	1200	68
1999-08-29	1250	43	1999-11-21	1855	27	2000-01-19	1200	55
1999-09-08	1220	26	1999-11-22	1855	27	2000-01-20	1200	58
1999-09-10	0020	23	1999-11-23	1855	29	2000-01-21	1200	76
1999-09-11	1220	36	1999-11-24	1855	24	2000-01-22	1200	63
1999-09-13	0020	32	1999-11-25	1855	36	2000-01-23	1200	52
1999-09-14	1220	32	1999-11-26	1855	52	2000-01-24	1200	50
1999-09-16	0020	60	1999-11-27	1855	61	2000-01-25	1200	71
1999-09-17	1220	24	1999-11-28	1855	43	2000-01-26	1200	67
1999-09-19	0020	35	1999-11-29	1855	68	2000-01-27	1200	83
1999-09-20	1220	41	1999-11-30	1855	49	2000-01-28	1200	87
1999-09-22	0020	21	1999-12-01	1855	68	2000-01-29	1200	78
1999-09-23	1220	28	1999-12-02	1855	44	2000-01-30	1200	54
1999-09-25	0020	19	1999-12-03	1855	55	2000-01-31	1200	52
1999-09-26	1220	38	1999-12-04	1855	47	2000-02-01	1200	77
1999-09-28	0020	18	1999-12-05	1855	38	2000-02-02	1200	68
1999-09-29	1220	19	1999-12-06	1350	33	2000-02-03	1200	74
1999-10-01	0020	20	1999-12-07	1200	61	2000-02-04	1200	67
1999-10-02	1220	16	1999-12-08	1200	47	2000-02-05	1200	63
1999-10-04	0020	14	1999-12-09	1200	40	2000-02-06	1200	69
1999-10-05	1220	18	1999-12-10	1200	112	2000-02-07	1200	55
1999-10-07	0020	21	1999-12-11	1200	42	2000-02-08	1200	89

MISCELLANEOUS WATER-QUALITY STATION ANALYSIS--Continued

03376350 SOUTH FORK PATOKA RIVER NEAR SPURGEON, IN

Results for suspended-sediment data collected for the South Fork Patoka River. The data were collected through a cooperative investigation with the Division of Reclamation of the Indiana Department of Natural Resources with oversight from the Patoka South Fork Watershed Steering Committee. Samples were collected by a automated sampler located in the gage house. No data adjustments were made with respect to in-stream suspended-sediment data.

LOCATION.--Lat 38°17'49", long 87°15'37", in NW¹/₄ SW¹/₄ sec. 36, T.2 S., R.8 W, Pike County, Hydrologic Unit 05120209, 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.

REMARKS.--Runoff affected by un-reclaimed surface mined lands.

[Date is in year-month-day; time is in military notation; mg/L, milligrams per liter]

Date	Time	SUSPENDED SEDIMENT (mg/L)	Date	Time	SUSPENDED SEDIMENT (mg/L)	Date	Time	SUSPENDED SEDIMENT (mg/L)
2000-02-09	1200	74	2000-04-16	0700	37	2000-06-16	1800	5.3
2000-02-10	1200	69	2000-04-17	0700	50	2000-06-17	1800	126
2000-02-11	1200	62	2000-04-18	0700	39	2000-06-18	1800	36
2000-02-12	1200	51	2000-04-19	0700	42	2000-06-19	1800	3.4
2000-02-13	1200	71	2000-04-20	0700	38	2000-06-20	1800	18
2000-02-14	1200	171	2000-04-21	0700	32	2000-06-21	1800	9.4
2000-02-15	1200	51	2000-04-22	0700	54	2000-06-22	1800	20
2000-02-16	1200	40	2000-04-29	0700	44	2000-06-23	1800	14
2000-02-17	1200	45	2000-04-30	0700	42	2000-06-24	1800	28
2000-02-29	1500	1230	2000-05-01	0700	40	2000-06-25	1800	19
2000-03-01	1500	83	2000-05-02	0700	46	2000-06-26	1800	131
2000-03-02	1500	46	2000-05-03	0700	43	2000-06-27	1800	46
2000-03-03	1500	52	2000-05-04	0700	42	2000-06-28	1800	31
2000-03-04	1500	51	2000-05-05	0700	32	2000-06-29	1800	19
2000-03-05	1500	47	2000-05-06	0700	30	2000-06-30	1800	20
2000-03-06	1500	50	2000-05-07	0700	31	2000-07-01	1800	24
2000-03-07	1500	52	2000-05-08	0700	43	2000-07-02	1800	22
2000-03-08	1500	44	2000-05-09	0700	26	2000-07-03	1800	22
2000-03-10	1200	41	2000-05-10	0700	47	2000-07-04	1800	12
2000-03-11	1200	54	2000-05-11	0700	24	2000-07-05	1800	19
2000-03-12	1200	54	2000-05-12	1200	18	2000-07-06	1800	17
2000-03-13	1200	50	2000-05-13	1200	26	2000-07-07	1800	11
2000-03-14	1200	48	2000-05-14	1200	15	2000-07-08	1800	9.1
2000-03-15	1200	41	2000-05-15	1200	27	2000-07-09	1800	9.7
2000-03-16	1200	568	2000-05-16	1200	32	2000-07-10	1800	12
2000-03-17	1200	595	2000-05-17	1200	33	2000-07-11	1800	21
2000-03-18	1200	48	2000-05-18	1200	33	2000-07-12	1800	15
2000-03-19	1200	202	2000-05-19	1200	19	2000-07-13	1800	12
2000-03-20	1200	70	2000-05-20	1200	33	2000-07-14	1800	9.8
2000-03-21	1200	26	2000-05-21	1200	48	2000-07-15	1800	21
2000-03-22	1200	40	2000-05-22	1200	40	2000-07-16	1800	16
2000-03-23	1200	36	2000-05-23	1200	38	2000-07-17	1800	21
2000-03-24	1200	40	2000-05-24	1200	39	2000-07-18	1800	21
2000-03-25	1200	42	2000-05-25	1200	34	2000-07-19	1300	26
2000-03-26	1200	37	2000-05-26	1200	47	2000-07-20	1200	24
2000-03-27	1200	44	2000-05-27	1200	20	2000-07-21	1200	20
2000-03-28	1200	45	2000-05-28	1200	31	2000-07-22	1200	18
2000-03-29	1200	31	2000-05-29	1200	47	2000-07-23	1200	34
2000-03-30	0700	29	2000-05-30	1200	14	2000-07-24	1200	53
2000-03-31	0700	28	2000-05-31	1200	30	2000-07-25	1200	33
2000-04-01	0700	38	2000-06-01	1200	23	2000-07-26	1200	22
2000-04-02	0700	34	2000-06-02	1200	40	2000-07-27	1200	38
2000-04-03	0700	40	2000-06-03	1200	343	2000-07-28	1200	42
2000-04-04	0700	43	2000-06-04	1200	20	2000-07-29	1200	19
2000-04-05	0700	41	2000-06-05	1200	37	2000-07-30	1200	14
2000-04-06	0700	43	2000-06-06	1200	18	2000-07-31	1200	11
2000-04-07	0700	45	2000-06-07	1200	23	2000-08-01	1200	9.0
2000-04-08	0700	84	2000-06-08	1200	15	2000-08-02	1200	6.8
2000-04-09	0700	37	2000-06-09	1200	26	2000-08-03	1200	19
2000-04-10	0700	22	2000-06-10	1800	53	2000-08-04	1200	18
2000-04-11	0700	36	2000-06-11	1800	25	2000-08-05	1200	7.1
2000-04-12	0700	40	2000-06-12	1800	15	2000-08-06	1200	11
2000-04-13	0700	33	2000-06-13	1800	2.4	2000-08-07	1200	411
2000-04-14	0700	37	2000-06-14	1800	26	2000-08-08	1200	122
2000-04-15	0700	39	2000-06-15	1800	44	2000-08-08	1710	264

MISCELLANEOUS WATER-QUALITY STATION ANALYSIS--Continued

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Results for suspended-sediment data collected for the South Fork Patoka River. The data were collected through a cooperative investigation with the Division of Reclamation of the Indiana Department of Natural Resources with oversight from the Patoka South Fork Watershed Steering Committee. Samples were collected by a automated sampler located in the gage house. No data adjustments were made with respect to in-stream suspended-sediment data.

LOCATION.--Lat 38°17'49", long 87°15'37", in NW¹/₄ SW¹/₄ sec. 36, T.2 S., R.8 W, Pike County, Hydrologic Unit 05120209, 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.

REMARKS.--Runoff affected by un-reclaimed surface mined lands.

[Date is in year-month-day; time is in military notation; mg/L, milligrams per liter]

Date	Time	SUSPENDED SEDIMENT (mg/L)	Date	Time	SUSPENDED SEDIMENT (mg/L)	Date	Time	SUSPENDED SEDIMENT (mg/L)
2000-08-08	1810	136	2000-08-24	1530	65	2000-10-04	1600	40
2000-08-08	1910	99	2000-08-24	1630	54	2000-10-05	1600	24
2000-08-08	2010	80	2000-08-25	1630	32	2000-10-06	1600	28
2000-08-08	2110	59	2000-08-26	1630	5.9	2000-10-07	1600	49
2000-08-08	2210	50	2000-08-27	1630	255	2000-10-08	1600	37
2000-08-08	2310	51	2000-08-28	1630	42	2000-10-09	1600	49
2000-08-09	0010	48	2000-08-29	1630	12	2000-10-10	1600	45
2000-08-09	0110	32	2000-08-30	1630	13	2000-10-11	1600	62
2000-08-09	0210	49	2000-08-31	1630	16	2000-10-12	1600	57
2000-08-09	0310	24	2000-09-01	1630	17	2000-10-13	1600	52
2000-08-09	0410	23	2000-09-02	1630	16	2000-10-14	1600	38
2000-08-09	0510	19	2000-09-03	1630	13	2000-10-15	1600	43
2000-08-09	0610	24	2000-09-04	1630	18	2000-10-16	1600	25
2000-08-09	0710	20	2000-09-05	1630	12	2000-10-17	1600	39
2000-08-09	0810	22	2000-09-06	1630	28	2000-10-18	1600	30
2000-08-09	1200	18	2000-09-07	1630	30	2000-10-19	1600	24
2000-08-10	1200	10	2000-09-08	1630	17	2000-10-20	1600	19
2000-08-11	1200	12	2000-09-09	1630	25	2000-10-21	1600	28
2000-08-12	1200	15	2000-09-10	1630	25	2000-10-22	1600	26
2000-08-13	1200	10	2000-09-11	1630	33	2000-10-23	1600	11
2000-08-14	1200	13	2000-09-12	1630	42	2000-10-24	1600	5.8
2000-08-15	1200	13	2000-09-13	1630	18	2000-10-25	1600	14
2000-08-16	1200	14	2000-09-14	1630	18	2000-10-26	1600	26
2000-08-17	1200	12	2000-09-15	1630	21	2000-10-27	1600	20
2000-08-18	1800	10	2000-09-16	1630	22	2000-10-28	1600	19
2000-08-19	1800	25	2000-09-17	1630	23	2000-10-29	1600	16
2000-08-20	1800	41	2000-09-18	1630	21	2000-10-30	1600	19
2000-08-21	1800	56	2000-09-19	1630	22	2000-10-31	1600	23
2000-08-22	1800	18	2000-09-20	1630	29	2000-11-01	1600	21
2000-08-23	1200	79	2000-09-21	1630	25	2000-11-02	1600	13
2000-08-23	1300	362	2000-09-22	1630	17	2000-11-03	1600	15
2000-08-23	1400	377	2000-09-23	1630	24	2000-11-04	1600	36
2000-08-23	1500	318	2000-09-24	1630	28	2000-11-05	1600	19
2000-08-23	1600	186	2000-09-25	1100	781	2000-11-06	1600	29
2000-08-23	1700	122	2000-09-25	1130	868	2000-11-07	1600	17
2000-08-23	1800	91	2000-09-25	1200	960	2000-11-08	1600	18
2000-08-23	1900	72	2000-09-25	1230	765	2000-11-09	1200	53
2000-08-23	2000	56	2000-09-25	1240	770	2000-11-10	1200	47
2000-08-23	2100	50	2000-09-25	1250	639	2000-11-11	1200	41
2000-08-23	2200	54	2000-09-25	1300	566	2000-11-12	1200	44
2000-08-23	2300	68	2000-09-25	1415	314	2000-11-13	1200	51
2000-08-24	0000	502	2000-09-25	1420	239	2000-11-14	1200	25
2000-08-24	0100	948	2000-09-25	1425	225	2000-11-15	1200	21
2000-08-24	0200	622	2000-09-25	1430	202	2000-11-16	1200	27
2000-08-24	0300	506	2000-09-25	1435	186	2000-11-17	1200	25
2000-08-24	0400	859	2000-09-25	1440	189	2000-11-18	1200	31
2000-08-24	0500	551	2000-09-25	1600	105	2000-11-19	1200	41
2000-08-24	0600	489	2000-09-26	1600	13	2000-11-20	1200	40
2000-08-24	0830	203	2000-09-27	1600	22	2000-11-21	1200	52
2000-08-24	0930	177	2000-09-28	1600	36	2000-11-22	1200	52
2000-08-24	1030	141	2000-09-29	1600	34	2000-11-23	1200	82
2000-08-24	1130	142	2000-09-30	1600	24	2000-11-24	1200	61
2000-08-24	1230	121	2000-10-01	1600	23	2000-11-25	1200	75
2000-08-24	1330	92	2000-10-02	1600	22	2000-11-26	1200	41
2000-08-24	1430	78	2000-10-03	1600	23	2000-11-27	1200	32

MISCELLANEOUS WATER-QUALITY STATION ANALYSIS--Continued

03376350 SOUTH FORK PATOKA RIVER NEAR SPURGEON, IN

Results for suspended-sediment data collected for the South Fork Patoka River. The data were collected through a cooperative investigation with the Division of Reclamation of the Indiana Department of Natural Resources with oversight from the Patoka South Fork Watershed Steering Committee. Samples were collected by a automated sampler located in the gage house. No data adjustments were made with respect to in-stream suspended-sediment data.

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DRAINAGE AREA.--42.8 mi².

REMARKS.--Runoff affected by un-reclaimed surface mined lands.

[Date is in year-month-day; time is in military notation; mg/L, milligrams per liter]

Date	Time	SUSPENDED SEDIMENT (mg/L)	Date	Time	SUSPENDED SEDIMENT (mg/L)	Date	Time	SUSPENDED SEDIMENT (mg/L)
2000-11-28	1200	33	2001-02-17	1200	56	2001-04-13	1200	31
2000-11-29	1200	30	2001-02-18	1200	37	2001-04-14	1200	33
2000-11-30	1200	34	2001-02-19	1200	49	2001-04-15	1200	75
2000-12-01	1200	52	2001-02-20	1200	34	2001-04-16	1200	36
2000-12-02	1200	38	2001-02-21	1200	36	2001-04-17	1200	41
2000-12-03	1200	40	2001-02-22	1200	36	2001-04-18	1200	41
2000-12-04	1200	42	2001-02-23	1200	36	2001-04-19	1200	36
2000-12-05	1200	46	2001-02-24	1200	56	2001-04-20	1200	34
2000-12-06	1200	63	2001-02-25	1200	133	2001-04-21	1200	25
2000-12-07	1200	39	2001-02-26	1200	85	2001-04-22	1200	35
2000-12-08	1200	46	2001-02-27	1200	22	2001-04-23	1200	24
2000-12-09	1200	56	2001-02-28	1200	67	2001-04-24	1200	37
2000-12-10	1200	49	2001-03-01	1200	46	2001-04-25	1200	35
2000-12-11	1200	108	2001-03-02	1200	60	2001-04-26	1200	43
2000-12-12	1200	88	2001-03-03	1200	62	2001-04-27	1200	29
2000-12-13	1200	38	2001-03-04	1200	201	2001-04-28	1200	20
2000-12-14	1200	46	2001-03-05	1200	84	2001-04-29	1200	36
2000-12-15	1200	43	2001-03-06	1200	61	2001-04-30	1200	41
2000-12-16	1200	233	2001-03-07	1200	54	2001-05-01	1200	19
2000-12-17	1200	61	2001-03-08	1200	57	2001-05-02	1800	28
2000-12-18	1200	41	2001-03-09	1200	60	2001-05-03	1800	36
2000-12-19	1200	37	2001-03-10	1200	44	2001-05-04	1800	50
2000-12-20	1200	40	2001-03-11	1200	65	2001-05-05	1800	39
2001-01-16	1200	44	2001-03-12	1200	71	2001-05-06	1800	14
2001-01-17	1200	65	2001-03-13	1200	77	2001-05-07	1800	40
2001-01-18	1200	53	2001-03-14	1200	38	2001-05-08	1800	75
2001-01-19	1200	52	2001-03-15	1200	48	2001-05-09	1800	132
2001-01-20	1200	49	2001-03-16	1200	78	2001-05-10	1800	49
2001-01-21	1200	65	2001-03-17	1200	41	2001-05-11	1800	414
2001-01-22	1200	53	2001-03-18	1200	38	2001-05-12	1800	80
2001-01-23	1200	82	2001-03-19	1200	40	2001-05-13	1800	45
2001-01-24	1200	46	2001-03-20	1200	41	2001-05-14	1800	52
2001-01-25	1200	60	2001-03-21	1200	45	2001-05-15	1800	44
2001-01-26	1200	39	2001-03-22	1200	41	2001-05-16	1800	30
2001-01-27	1200	34	2001-03-23	1200	43	2001-05-17	1800	30
2001-01-28	1200	53	2001-03-24	1200	45	2001-05-18	1800	59
2001-01-29	1200	44	2001-03-25	1200	43	2001-05-19	1800	29
2001-01-30	1200	95	2001-03-26	1200	51	2001-05-20	1800	26
2001-01-31	1200	52	2001-03-27	1200	48	2001-05-21	1800	49
2001-02-01	1200	40	2001-03-28	1200	50	2001-05-22	1800	22
2001-02-02	1200	31	2001-03-29	1200	46	2001-05-23	1800	24
2001-02-03	1200	51	2001-03-30	1200	39	2001-05-24	1800	32
2001-02-04	1200	44	2001-03-31	1200	38	2001-05-25	1800	25
2001-02-05	1200	39	2001-04-01	1200	42	2001-05-26	1800	28
2001-02-06	1200	43	2001-04-02	1200	43	2001-05-27	1800	26
2001-02-07	1200	41	2001-04-03	1200	133	2001-05-28	1800	18
2001-02-08	1200	47	2001-04-04	1200	45	2001-05-29	1800	18
2001-02-09	1200	52	2001-04-05	1200	33	2001-05-30	1800	17
2001-02-10	1200	177	2001-04-06	1200	24	2001-05-31	1800	28
2001-02-11	1200	40	2001-04-07	1200	27	2001-06-01	1800	15
2001-02-12	1200	48	2001-04-08	1200	25	2001-06-02	1800	16
2001-02-13	1200	47	2001-04-09	1200	28	2001-06-03	1800	17
2001-02-14	1200	52	2001-04-10	1200	27	2001-06-04	1800	16
2001-02-15	1200	687	2001-04-11	1200	30	2001-06-05	1800	14
2001-02-16	1200	72	2001-04-12	1200	36	2001-06-06	1800	17

MISCELLANEOUS WATER-QUALITY STATION ANALYSIS--Continued

03376350 SOUTH FORK PATOKA RIVER NEAR SPURGEON, IN

Results for suspended-sediment data collected for the South Fork Patoka River. The data were collected through a cooperative investigation with the Division of Reclamation of the Indiana Department of Natural Resources with oversight from the Patoka South Fork Watershed Steering Committee. Samples were collected by a automated sampler located in the gage house. No data adjustments were made with respect to in-stream suspended-sediment data.

LOCATION.--Lat 38°17'49", long 87°15'37", in NW¹/₄ SW¹/₄ sec. 36, T.2 S., R.8 W, Pike County, Hydrologic Unit 05120209, 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.

REMARKS.--Runoff affected by un-reclaimed surface mined lands.

[Date is in year-month-day; time is in military notation; mg/L, milligrams per liter]

Date	Time	SUSPENDED SEDIMENT (mg/L)	Date	Time	SUSPENDED SEDIMENT (mg/L)	Date	Time	SUSPENDED SEDIMENT (mg/L)
2001-06-07	1800	28	2001-08-03	0600	94	2001-09-27	0800	11
2001-06-08	1800	32	2001-08-04	0600	12	2001-09-28	0800	11
2001-06-09	1800	11	2001-08-05	0600	17	2001-09-29	0800	21
2001-06-10	1800	11	2001-08-06	0600	9.7	2001-09-30	0800	16
2001-06-11	1800	24	2001-08-07	0600	9.6	2001-10-01	0800	22
2001-06-12	1800	12	2001-08-08	1800	2.2	2001-10-02	0800	17
2001-06-13	1800	15	2001-08-09	1800	7.8	2001-10-03	0800	28
2001-06-14	1800	8.2	2001-08-10	1800	4.4	2001-10-04	0800	14
2001-06-15	1800	10	2001-08-11	1800	12	2001-10-05	0800	33
2001-06-16	1800	8.9	2001-08-12	1800	6.1	2001-10-06	0800	58
2001-06-17	1800	25	2001-08-13	1800	14	2001-10-07	0800	25
2001-06-18	1800	64	2001-08-14	1800	3.3	2001-10-08	0800	35
2001-06-19	1800	8.3	2001-08-15	1800	3.6	2001-10-09	0800	47
2001-06-20	1800	20	2001-08-16	1800	2.2	2001-10-10	0800	46
2001-06-21	1800	137	2001-08-17	1800	2.5	2001-10-11	0800	29
2001-06-22	1800	49	2001-08-18	1800	7.7	2001-10-12	0800	46
2001-06-23	1800	12	2001-08-19	1800	17	2001-10-13	0800	14
2001-06-24	1800	20	2001-08-20	1800	11	2001-10-14	0800	130
2001-06-25	1800	13	2001-08-21	1800	4.1	2001-10-15	0800	73
2001-06-26	1800	18	2001-08-22	1800	0.9	2001-10-16	0800	35
2001-06-27	1800	17	2001-08-23	1800	1.2	2001-10-17	0800	22
2001-06-28	0600	24	2001-08-24	1800	181	2001-10-18	0800	24
2001-06-29	0600	8.3	2001-08-25	1800	77	2001-10-19	0800	34
2001-06-30	0600	12	2001-08-26	1800	10	2001-10-20	0800	30
2001-07-01	0600	13	2001-08-27	1800	7.2	2001-10-21	0800	25
2001-07-02	0600	7.8	2001-08-28	1800	6.8	2001-10-22	0800	11
2001-07-03	0600	11	2001-08-29	1800	9.3	2001-10-23	0800	15
2001-07-04	0600	9.0	2001-08-30	1800	18	2001-10-24	0800	184
2001-07-05	0600	6.4	2001-08-31	1800	31	2001-10-25	0800	59
2001-07-06	0600	7.1	2001-09-01	1800	29	2001-10-26	0800	31
2001-07-07	0600	5.2	2001-09-02	1800	18	2001-10-27	0800	19
2001-07-08	0600	2.7	2001-09-03	1800	36	2001-10-28	0800	20
2001-07-09	0600	156	2001-09-04	1800	38	2001-10-29	0800	22
2001-07-10	0600	51	2001-09-05	1800	32	2001-10-30	0800	41
2001-07-11	0600	14	2001-09-06	1800	9.3	2001-10-31	0800	35
2001-07-12	0600	15	2001-09-07	1800	231	2001-11-01	0800	24
2001-07-13	0600	13	2001-09-08	1800	68	2001-11-02	0800	20
2001-07-16	0600	51	2001-09-09	1800	51	2001-11-03	0800	12
2001-07-17	0600	45	2001-09-10	1800	26	2001-11-04	0800	16
2001-07-18	0600	43	2001-09-11	1800	17	2001-11-05	0800	15
2001-07-19	0600	35	2001-09-12	1800	24	2001-11-06	0800	4.5
2001-07-20	0600	55	2001-09-13	1800	25	2001-11-07	0800	12
2001-07-21	0600	15	2001-09-14	1800	9.6	2001-11-08	0800	17
2001-07-22	0600	23	2001-09-15	1800	44	2001-11-09	0800	10
2001-07-23	0600	25	2001-09-16	1800	15	2001-11-10	0800	16
2001-07-24	0600	9.9	2001-09-17	1800	19	2001-11-11	0800	38
2001-07-25	0600	18	2001-09-18	1800	13	2001-11-12	0800	46
2001-07-26	0600	16	2001-09-19	1800	47	2001-11-13	0800	16
2001-07-27	0600	67	2001-09-20	1800	21	2001-11-14	0800	41
2001-07-28	0600	25	2001-09-21	1800	17	2001-11-15	0800	30
2001-07-29	0600	36	2001-09-22	1800	17	2001-11-16	0800	47
2001-07-30	0600	46	2001-09-23	1800	17	2001-11-17	0800	18
2001-07-31	0600	23	2001-09-24	1800	20	2001-11-18	0800	32
2001-08-01	0600	26	2001-09-25	1800	14	2001-11-19	0800	34
2001-08-02	0600	30	2001-09-26	1330	18	2001-11-20	0800	21

MISCELLANEOUS WATER-QUALITY STATION ANALYSIS--Continued

03376350 SOUTH FORK PATOKA RIVER NEAR SPURGEON, IN

Results for suspended-sediment data collected for the South Fork Patoka River. The data were collected through a cooperative investigation with the Division of Reclamation of the Indiana Department of Natural Resources with oversight from the Patoka South Fork Watershed Steering Committee. Samples were collected by a automated sampler at located in the gage house. No data adjustments were made with respect to in-stream suspended-sediment data.

LOCATION.--Lat 38°17'49", long 87°15'37", in NW¹/₄ SW¹/₄ sec. 36, T.2 S., R.8 W, Pike County, Hydrologic Unit 05120209, 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.

REMARKS.--Runoff affected by un-reclaimed surface mined lands.

[Date is in year-month-day; time is in military notation; mg/L, milligrams per liter]

Date	Time	SUSPENDED SEDIMENT (mg/L)	Date	Time	SUSPENDED SEDIMENT (mg/L)	Date	Time	SUSPENDED SEDIMENT (mg/L)
2001-11-20	0800	21	2002-01-14	0800	66	2002-05-05	1500	52
2001-11-21	0800	42	2002-01-15	0800	59	2002-05-06	1500	58
2001-11-22	0800	43	2002-01-16	0800	65	2002-05-07	1500	159
2001-11-23	0800	27	2002-01-17	0800	72	2002-05-08	1500	1655
2001-11-24	0800	15	2002-01-18	0800	81	2002-05-09	1500	214
2001-11-25	0800	30	2002-01-19	0800	61	2002-05-10	1500	65
2001-11-26	0800	32	2002-01-20	0800	71	2002-05-11	1500	52
2001-11-27	0800	199	2002-01-21	0800	48	2002-05-12	1500	60
2001-11-28	0800	143	2002-01-22	0800	59	2002-05-13	1500	184
2001-11-29	0800	144	2002-01-23	0800	63	2002-05-14	1500	229
2001-11-30	0800	63	2002-01-24	0800	724	2002-05-15	1500	89
2001-12-01	0800	86	2002-01-25	0800	107	2002-05-16	1500	82
2001-12-02	0800	40	2002-01-26	0800	56	2002-05-17	1500	84
2001-12-03	0800	34	2002-01-27	0800	49	2002-05-18	1500	86
2001-12-04	0800	40	2002-01-28	0800	51	2002-05-19	1500	86
2001-12-05	0800	36	2002-01-29	0800	44	2002-05-20	1500	81
2001-12-06	0800	34	2002-01-30	0800	63	2002-05-21	1300	74
2001-12-07	0800	52	2002-01-31	0800	33	2002-05-22	0600	94
2001-12-08	0800	40	2002-03-28	1500	53	2002-05-23	0600	91
2001-12-09	0800	38	2002-03-29	1500	555	2002-05-24	0600	89
2001-12-10	0800	37	2002-03-30	1500	720	2002-05-25	0600	95
2001-12-11	0800	36	2002-03-31	1500	79	2002-05-26	0600	84
2001-12-12	0800	44	2002-04-01	1500	56	2002-05-27	0600	79
2001-12-13	0800	55	2002-04-02	1500	60	2002-05-28	0600	77
2001-12-14	0800	125	2002-04-03	1500	55	2002-05-29	0600	76
2001-12-15	0800	53	2002-04-04	1500	57	2002-05-30	0600	80
2001-12-16	0800	41	2002-04-05	1500	59	2002-05-31	0600	86
2001-12-17	0800	380	2002-04-06	1500	59	2002-06-01	0600	87
2001-12-18	0800	44	2002-04-07	1500	64	2002-06-02	0600	98
2001-12-19	0800	79	2002-04-08	1500	64	2002-06-03	0600	88
2001-12-20	0800	64	2002-04-09	1500	73	2002-06-04	0600	87
2001-12-21	0800	39	2002-04-10	1500	61	2002-06-05	0600	87
2001-12-22	0800	49	2002-04-11	1500	58	2002-06-06	0600	94
2001-12-23	0800	92	2002-04-12	1500	52	2002-06-07	0600	81
2001-12-24	0800	62	2002-04-14	1500	1510	2002-06-08	0600	92
2001-12-25	0800	57	2002-04-15	1500	196	2002-06-09	0600	108
2001-12-26	0800	49	2002-04-16	1500	81	2002-06-10	0600	101
2001-12-27	0800	56	2002-04-17	1500	93	2002-06-11	0600	96
2001-12-28	0800	60	2002-04-18	1500	49	2002-06-12	0600	83
2001-12-29	0800	121	2002-04-19	1500	54	2002-06-13	0600	111
2001-12-30	0800	76	2002-04-20	1500	49	2002-06-14	0600	69
2001-12-31	0800	74	2002-04-21	1500	49	2002-06-15	0600	122
2002-01-01	0800	93	2002-04-22	1500	194	2002-06-16	0600	100
2002-01-02	0800	117	2002-04-23	1500	52	2002-06-17	0600	104
2002-01-03	0800	89	2002-04-24	1500	219	2002-06-18	0600	117
2002-01-04	0800	111	2002-04-25	1500	49	2002-06-19	0600	110
2002-01-05	0800	81	2002-04-26	1500	44	2002-06-20	0600	100
2002-01-06	0800	75	2002-04-27	1500	489	2002-06-21	0600	81
2002-01-07	0800	64	2002-04-28	1500	183	2002-06-22	0600	73
2002-01-08	0800	91	2002-04-29	1500	225	2002-06-23	0600	103
2002-01-09	0800	66	2002-04-30	1500	69	2002-06-24	0600	74
2002-01-10	0800	67	2002-05-01	1500	55	2002-06-25	0600	74
2002-01-11	0800	63	2002-05-02	1500	192	2002-06-26	0600	152
2002-01-12	0800	53	2002-05-03	1500	127	2002-06-27	0600	117
2002-01-13	0800	54	2002-05-04	1500	51	2002-06-28	0600	72

MISCELLANEOUS WATER-QUALITY STATION ANALYSIS--Continued

03376350 SOUTH FORK PATOKA RIVER NEAR SPURGEON, IN

Results for suspended-sediment data collected for the South Fork Patoka River. The data were collected through a cooperative investigation with the Division of Reclamation of the Indiana Department of Natural Resources with oversight from the Patoka South Fork Watershed Steering Committee. Samples were collected by a automated sampler located in the gage house. No data adjustments were made with respect to in-stream suspended-sediment data.

LOCATION.--Lat 38°17'49", long 87°15'37", in NW¹/₄ SW¹/₄ sec. 36, T.2 S., R.8 W, Pike County, Hydrologic Unit 05120209, 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.

REMARKS.--Runoff affected by un-reclaimed surface mined lands.

[Date is in year-month-day; time is in military notation; mg/L, milligrams per liter]

Date	Time	SUSPENDED SEDIMENT (mg/L)	Date	Time	SUSPENDED SEDIMENT (mg/L)
2002-06-29	0600	86	2002-08-23	1800	7.2
2002-06-30	0600	54	2002-08-24	1800	44
2002-07-01	0600	82	2002-08-25	1800	22
2002-07-02	0600	66	2002-08-26	1800	3.3
2002-07-03	0600	26	2002-08-27	1800	53
2002-07-04	0600	40	2002-08-28	1800	7.1
2002-07-05	0600	54	2002-08-29	1800	13
2002-07-06	0600	45	2002-08-30	1800	33
2002-07-07	0600	59	2002-08-31	1800	45
2002-07-08	0600	31	2002-09-01	1800	12
2002-07-09	0600	43	2002-09-02	1800	38
2002-07-10	0600	64	2002-09-03	1800	8.7
2002-07-11	0600	61	2002-09-04	1800	16
2002-07-12	0600	85	2002-09-05	1800	56
2002-07-13	0600	75	2002-09-06	1800	426
2002-07-14	0600	46	2002-09-07	1800	80
2002-07-15	0600	59	2002-09-08	1800	21
2002-07-16	0600	56	2002-09-09	1800	32
2002-07-17	0600	60	2002-09-10	1800	26
2002-07-18	0600	39	2002-09-11	1800	17
2002-07-19	0600	57	2002-09-12	1800	102
2002-07-20	0600	38	2002-09-13	1800	23
2002-07-21	0600	31	2002-09-14	1800	30
2002-07-22	0600	33	2002-09-15	1800	24
2002-07-23	0600	20	2002-09-16	1800	151
2002-07-24	0600	19	2002-09-17	1800	45
2002-07-25	0600	27	2002-09-18	1800	34
2002-07-26	0600	14	2002-09-19	1800	13
2002-07-27	0600	36	2002-09-20	1800	208
2002-07-28	0600	69	2002-09-21	1800	38
2002-07-29	0600	15	2002-09-22	1800	62
2002-07-30	0600	12	2002-09-23	1800	48
2002-07-31	0600	13	2002-09-24	1800	52
2002-08-01	0600	41	2002-09-25	1800	54
2002-08-02	0600	38	2002-09-26	1800	34
2002-08-03	0600	21	2002-09-27	1800	83
2002-08-04	0600	16	2002-09-28	1800	94
2002-08-05	0600	15	2002-09-29	1800	57
2002-08-06	1800	1.0	2002-09-30	1800	64
2002-08-07	1800	2.5			
2002-08-08	1800	2.1			
2002-08-09	1800	2.0			
2002-08-10	1800	7.1			
2002-08-11	1800	10			
2002-08-12	1800	1.3			
2002-08-13	1800	2.1			
2002-08-14	1800	2.3			
2002-08-15	1800	10			
2002-08-16	1800	11			
2002-08-17	1800	4.3			
2002-08-18	1800	10			
2002-08-19	1800	5.9			
2002-08-20	1800	23			
2002-08-21	1800	9.1			
2002-08-22	1800	5.0			

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 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	172	456	381	2,160	1,080	3,710	1,760	1,950	431	160	161	113
2	120	268	380	2,100	976	3,890	1,700	1,690	361	155	148	122
3	104	180	377	2,170	771	3,920	1,630	1,290	789	149	145	179
4	106	148	374	2,220	661	3,850	1,510	1,030	1,020	147	141	371
5	126	141	378	2,250	645	3,660	1,350	1,900	1,000	164	157	280
6	128	177	378	2,260	596	3,390	1,160	2,020	774	153	158	164
7	139	259	382	2,270	472	3,150	951	2,190	568	142	155	121
8	120	319	380	2,280	373	2,920	796	2,560	447	132	137	107
9	101	248	380	2,250	336	2,680	695	2,980	377	172	122	118
10	93	348	387	2,140	320	2,450	646	3,030	325	305	115	136
11	94	1,020	402	1,970	318	2,200	666	3,200	643	471	111	137
12	97	1,340	442	1,740	327	1,930	634	3,240	2,030	474	108	136
13	99	1,390	581	1,470	322	1,830	542	3,250	2,000	389	119	138
14	95	1,340	927	1,240	337	1,710	468	3,220	2,020	251	166	138
15	91	1,010	1,190	1,080	855	1,630	411	3,180	2,060	177	143	135
16	95	627	1,220	978	1,400	1,580	380	3,150	2,080	170	116	132
17	85	437	1,060	921	1,500	1,550	453	3,190	2,070	196	106	129
18	79	358	873	905	1,470	1,520	663	3,370	1,990	287	102	127
19	78	310	1,580	898	1,370	1,610	803	3,470	1,650	356	100	127
20	86	280	1,880	896	1,500	1,720	796	3,470	1,040	348	98	129
21	89	294	1,850	908	1,810	1,750	813	3,380	633	313	95	128
22	90	345	1,860	917	2,570	1,740	1,070	3,220	385	665	95	165
23	88	359	1,860	914	2,750	1,720	1,160	3,050	301	999	94	198
24	83	376	1,850	957	2,850	1,680	939	2,840	253	762	95	192
25	113	410	1,840	980	3,020	1,630	1,600	2,660	229	382	92	162
26	214	411	1,780	1,060	3,210	1,650	2,090	2,440	214	229	91	142
27	365	407	1,640	1,200	3,380	1,550	2,060	2,130	208	173	89	143
28	315	397	1,370	1,330	3,540	1,510	2,100	1,690	200	151	88	154
29	323	391	1,230	1,230	---	1,940	2,090	1,200	182	167	89	161
30	371	388	1,230	1,170	---	1,860	2,050	843	169	219	91	149
31	619	---	1,490	1,130	---	1,820	---	582	---	181	106	---
TOTAL	4,778	14,434	31,952	45,994	38,759	69,750	33,986	77,415	26,449	9,039	3,633	4,633
MEAN	154	481	1,031	1,484	1,384	2,250	1,133	2,497	882	292	117	154
MAX	619	1,390	1,880	2,280	3,540	3,920	2,100	3,470	2,080	999	166	371
MIN	78	141	374	896	318	1,510	380	582	169	132	88	107
CFSM	0.19	0.59	1.25	1.80	1.68	2.74	1.38	3.04	1.07	0.35	0.14	0.19
IN.	0.22	0.65	1.45	2.08	1.75	3.16	1.54	3.50	1.20	0.41	0.16	0.21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2003, BY WATER YEAR (WY)

	256	516	1,018	1,516	1,797	2,194	1,944	1,541	814	442	312	229
MEAN	256	516	1,018	1,516	1,797	2,194	1,944	1,541	814	442	312	229
MAX	2,573	2,978	4,232	8,365	5,570	8,531	4,664	6,810	4,322	3,075	3,915	1,125
(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

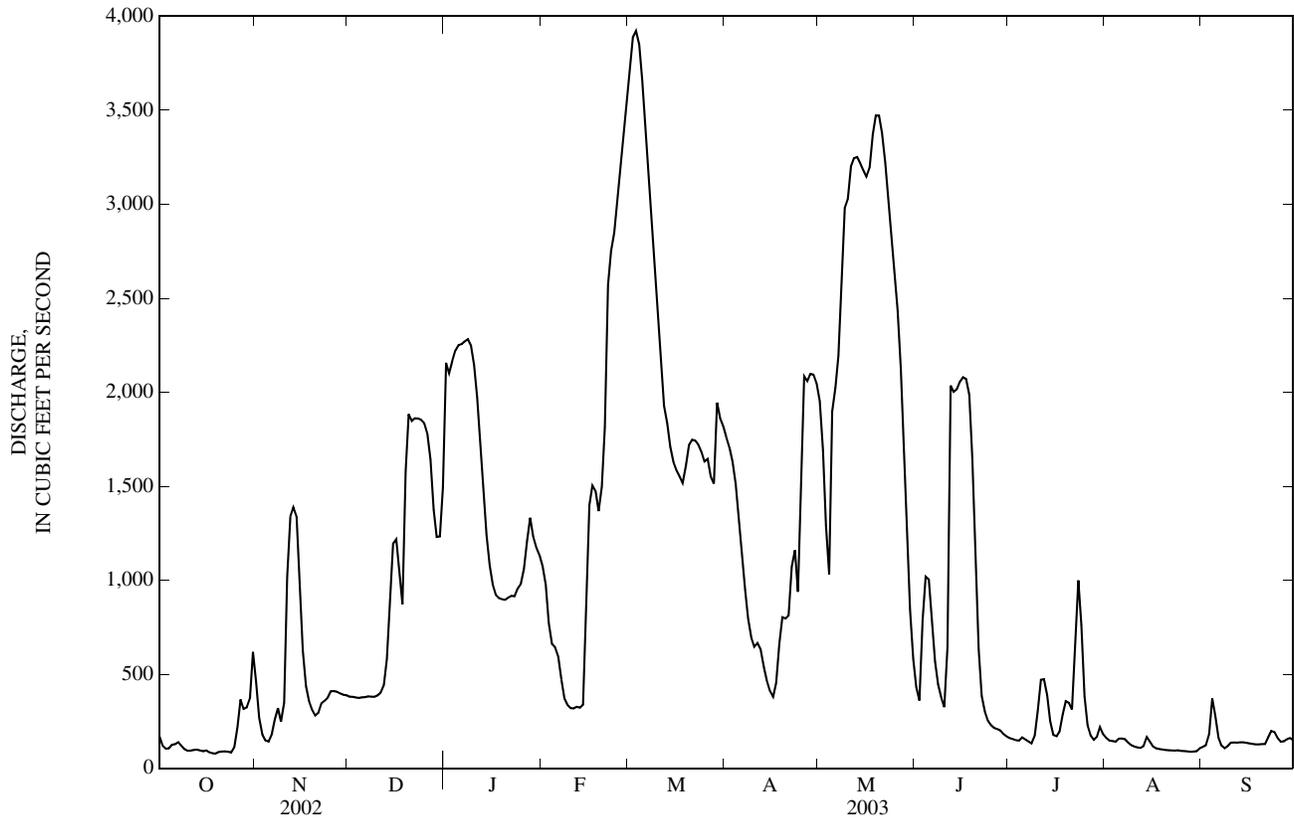
FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1935 - 2003

ANNUAL TOTAL	536,023	360,822	
ANNUAL MEAN	1,469	989	1,044
HIGHEST ANNUAL MEAN			2,080
LOWEST ANNUAL MEAN			151
HIGHEST DAILY MEAN	10,400	May 17	18,500
LOWEST DAILY MEAN	62	Sep 13	0.00
ANNUAL SEVEN-DAY MINIMUM	64	Sep 8	0.00
MAXIMUM PEAK FLOW			18,700
MAXIMUM PEAK STAGE			26.80
ANNUAL RUNOFF (CFSM)	1.79		1.27
ANNUAL RUNOFF (INCHES)	24.26		17.26
10 PERCENT EXCEEDS	3,660		2,840
50 PERCENT EXCEEDS	644		388
90 PERCENT EXCEEDS	108		30

03376500 PATOKA RIVER NEAR PRINCETON, IN—Continued



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 except for estimated daily discharges, which are poor. 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 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7,140	11,100	8,290	26,000	10,300	44,000	36,500	27,500	27,000	13,400	42,600	15,600
2	7,970	10,700	8,060	33,600	9,990	43,400	36,700	25,200	26,500	13,100	37,500	25,200
3	8,190	10,400	7,590	37,400	9,910	41,900	38,600	23,400	26,900	12,900	33,300	38,200
4	8,200	9,920	7,340	40,600	10,100	39,000	36,900	21,400	27,300	12,300	30,300	47,300
5	7,750	9,140	7,300	44,300	10,500	39,000	32,200	28,500	26,000	11,700	27,700	53,800
6	7,110	8,440	7,130	46,400	11,200	41,400	28,800	43,300	24,200	11,300	25,700	57,100
7	6,600	8,010	6,980	46,200	13,000	41,000	26,600	51,400	22,600	10,800	25,700	60,000
8	6,300	7,910	6,700	44,200	14,300	41,600	26,100	58,700	20,900	17,600	26,000	62,600
9	6,120	7,760	6,420	40,300	15,100	41,500	28,400	67,100	19,000	29,800	25,300	66,400
10	6,030	8,830	6,220	34,300	15,400	40,200	30,000	72,000	17,300	39,100	24,100	70,600
11	5,940	10,800	6,320	28,700	14,700	41,100	30,000	76,900	17,400	50,400	23,100	75,700
12	5,850	12,200	6,400	25,700	13,500	44,100	28,800	83,600	25,900	57,400	22,300	76,100
13	5,780	15,700	6,580	24,200	12,600	46,700	26,500	89,400	31,300	61,100	21,100	66,200
14	5,670	19,000	7,620	22,800	12,000	48,800	24,000	94,000	33,600	63,600	20,000	42,100
15	5,590	18,900	8,810	22,300	12,600	49,100	21,600	96,700	36,200	68,800	19,100	30,900
16	5,500	18,100	10,100	21,200	16,400	49,700	19,600	98,100	40,400	81,600	18,300	26,700
17	5,410	17,300	11,500	19,100	18,500	49,800	18,200	98,900	44,400	95,500	17,400	24,200
18	5,370	15,800	11,900	17,700	20,100	50,200	17,200	99,700	46,100	107,000	16,600	22,100
19	5,360	14,100	15,400	16,300	20,100	51,900	16,800	101,000	46,400	114,000	15,800	20,000
20	5,280	12,600	22,500	14,500	19,600	54,500	16,800	100,000	44,800	116,000	14,900	17,700
21	5,260	11,600	25,500	e13,000	20,600	53,400	18,800	95,100	42,200	113,000	14,300	16,300
22	5,340	10,800	26,300	e12,400	29,900	49,000	20,500	84,500	40,200	101,000	13,900	15,900
23	5,530	10,100	26,300	e12,000	47,200	43,800	20,600	71,600	35,000	85,500	13,100	15,800
24	5,590	9,530	26,000	e11,500	52,700	40,500	20,000	60,000	27,700	77,600	12,200	15,400
25	6,020	9,200	27,100	e11,000	52,600	39,100	20,700	51,100	22,900	72,300	11,400	14,800
26	6,820	8,930	27,700	e11,000	50,800	39,300	28,900	44,300	20,000	66,900	10,900	14,800
27	6,790	8,700	25,900	e11,100	48,900	39,100	30,500	38,800	17,900	61,500	10,600	17,300
28	7,060	8,470	23,100	e10,700	46,200	36,500	31,000	34,900	16,200	56,700	10,100	23,600
29	7,930	8,520	20,500	10,500	---	36,300	31,200	31,900	14,900	52,800	9,730	31,100
30	10,600	8,410	18,700	10,900	---	37,000	30,400	29,600	13,900	50,000	9,590	36,600
31	10,900	---	18,500	10,700	---	36,800	---	27,900	---	47,200	9,990	---
TOTAL	205,000	340,970	444,760	730,600	628,800	1,349,700	792,900	1,926,500	855,100	1,771,900	612,610	1,100,100
MEAN	6,613	11,370	14,350	23,570	22,460	43,540	26,430	62,150	28,500	57,160	19,760	36,670
MAX	10,900	19,000	27,700	46,400	52,700	54,500	38,600	101,000	46,400	116,000	42,600	76,100
MIN	5,260	7,760	6,220	10,500	9,910	36,300	16,800	21,400	13,900	10,800	9,590	14,800
CFSM	0.23	0.40	0.50	0.82	0.78	1.52	0.92	2.17	1.00	2.00	0.69	1.28
IN.	0.27	0.44	0.58	0.95	0.82	1.75	1.03	2.50	1.11	2.30	0.80	1.43

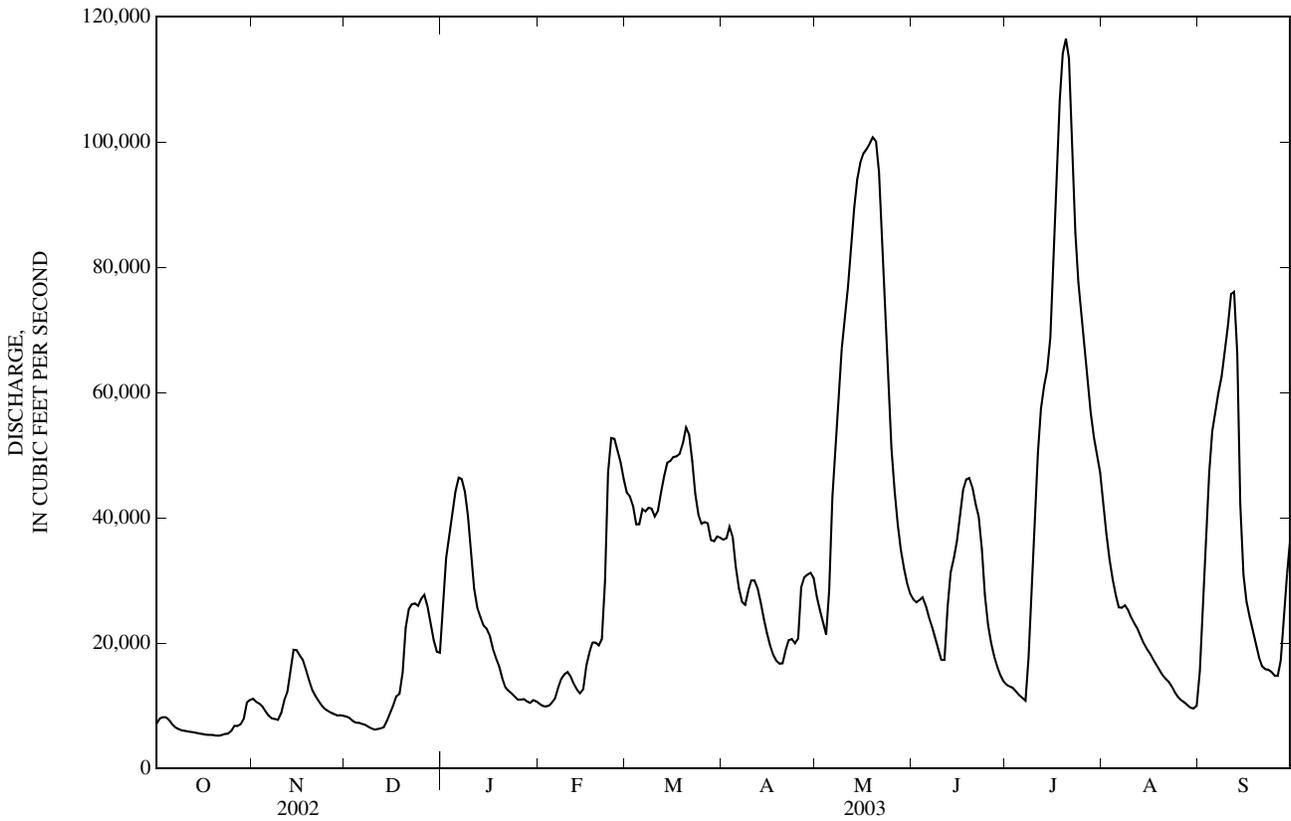
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2003, BY WATER YEAR (WY)

MEAN	9,747	15,560	25,700	36,910	40,950	49,820	49,930	43,070	28,900	19,810	12,170	9,326
MAX	42,230	87,950	92,340	199,300	147,100	108,700	106,400	148,200	80,120	73,580	75,530	50,670
(WY)	(2002)	(1994)	(1986)	(1950)	(1950)	(1985)	(1938)	(2002)	(1998)	(1958)	(1979)	(1989)
MIN	2,465	2,632	2,266	2,861	3,758	4,815	11,900	5,805	5,035	3,366	2,372	2,572
(WY)	(1941)	(1931)	(1964)	(1977)	(1931)	(1941)	(1941)	(1934)	(1988)	(1936)	(1936)	(1940)

03377500 WABASH RIVER AT MOUNT CARMEL, IL—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1928 - 2003	
ANNUAL TOTAL	13,841,220		10,758,940		28,430	
ANNUAL MEAN	37,920		29,480		56,740	
HIGHEST ANNUAL MEAN					1950	
LOWEST ANNUAL MEAN					1941	
HIGHEST DAILY MEAN	236,000	May 17	116,000	Jul 20	302,000	May 25, 1943
LOWEST DAILY MEAN	5,130	Sep 17	5,260	Oct 21	1,650	Sep 27, 1941
ANNUAL SEVEN-DAY MINIMUM	5,180	Sep 13	5,360	Oct 16	1,700	Dec 19, 1963
MAXIMUM PEAK FLOW			117,000	Jul 20	305,000	May 25, 1943
MAXIMUM PEAK STAGE			24.85	Jul 20	31.75	Jan 7, 1991
ANNUAL RUNOFF (CFSM)	1.32		1.03		0.99	
ANNUAL RUNOFF (INCHES)	17.98		13.98		13.49	
10 PERCENT EXCEEDS	83,000		60,400		68,000	
50 PERCENT EXCEEDS	20,800		22,600		16,700	
90 PERCENT EXCEEDS	6,340		7,700		4,400	

e Estimated



03378500 WABASH RIVER AT NEW HARMONY, IN

LOCATION.--Lat 38°07'53", long 87°56'32" in SE $\frac{1}{4}$ SE $\frac{1}{4}$ 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, 17.72 ft, July 21; minimum gage height, 1.22 ft, Oct. 21, and 22.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.81	2.89	2.19	6.91	2.75	---	8.45	6.57	---	3.53	9.71	3.87
2	2.05	2.79	2.13	8.29	2.67	---	8.49	6.07	---	3.45	8.71	6.01
3	2.17	2.73	2.04	8.96	2.67	---	8.79	5.68	6.57	3.37	7.85	8.65
4	2.21	2.62	1.95	9.51	2.64	---	8.57	5.35	6.58	3.21	7.21	10.36
5	2.09	2.46	1.91	10.13	2.77	9.32	7.62	7.33	6.31	3.06	6.61	11.49
6	1.89	2.25	1.86	10.45	2.89	9.68	6.91	9.99	5.91	2.97	6.19	12.15
7	1.72	2.13	1.81	10.43	3.25	9.55	6.44	11.53	5.59	2.83	6.13	12.75
8	1.61	2.07	1.73	10.10	3.55	9.58	6.27	12.82	5.21	4.27	6.19	13.42
9	1.55	2.05	1.65	9.39	3.74	9.55	6.68	14.06	4.83	6.81	6.03	14.07
10	1.53	2.39	1.59	8.19	3.81	9.35	7.03	14.89	4.49	8.71	5.79	14.63
11	1.49	2.95	1.60	7.01	3.69	9.43	7.07	15.34	4.69	10.86	5.59	15.04
12	1.47	3.19	1.62	6.29	3.45	10.01	6.82	15.77	7.01	12.10	5.39	15.05
13	1.41	3.87	1.71	5.92	3.25	10.68	6.36	16.18	7.79	12.85	5.17	13.71
14	1.40	4.63	2.08	5.60	3.17	11.07	5.84	16.53	8.04	13.39	4.93	10.20
15	1.36	4.66	2.39	5.45	3.51	11.15	5.33	16.73	8.55	14.23	4.73	7.61
16	1.33	4.47	2.64	5.21	4.33	11.17	4.93	16.81	9.28	15.20	4.57	6.51
17	1.29	4.31	2.98	4.75	4.67	11.13	4.61	16.84	10.04	16.11	4.37	5.91
18	1.27	4.02	3.18	4.35	4.95	11.19	4.43	16.89	10.30	16.81	4.19	5.45
19	1.27	3.61	4.37	4.08	5.04	11.62	4.25	16.88	10.19	17.37	4.00	4.95
20	1.24	3.28	5.79	3.71	5.17	12.09	4.23	16.89	9.83	17.60	3.83	4.47
21	1.23	3.03	6.43	3.44	5.52	11.96	4.68	16.67	9.48	17.62	3.69	4.17
22	1.23	2.85	6.57	3.25	8.33	11.27	5.03	16.16	9.03	17.17	3.59	4.01
23	1.30	2.67	6.55	2.77	11.26	10.23	5.05	15.01	8.02	16.31	3.43	3.99
24	1.33	2.55	6.37	2.67	12.14	9.41	4.94	13.47	6.67	15.45	3.23	3.90
25	1.51	2.45	6.49	2.71	---	9.07	5.15	12.09	5.65	14.73	3.05	3.79
26	1.77	2.37	6.63	2.84	---	9.09	6.95	10.63	5.03	14.01	2.91	3.81
27	1.73	2.31	6.27	2.87	---	9.04	7.27	9.38	4.55	13.21	2.85	4.20
28	1.81	2.23	5.67	2.87	---	8.59	7.31	8.49	4.17	12.47	2.73	5.59
29	2.11	2.22	5.16	3.07	---	8.53	7.33	7.79	3.88	11.72	2.63	7.21
30	2.87	2.21	4.81	3.09	---	8.59	7.15	7.22	3.64	11.15	2.63	8.31
31	2.90	---	5.07	2.84	---	8.55	---	6.76	---	10.61	2.64	---
MEAN	1.68	2.94	3.65	5.71	---	---	6.33	12.35	---	11.07	4.86	8.18
MAX	2.90	4.66	6.63	10.45	---	---	8.79	16.89	---	17.62	9.71	15.05
MIN	1.23	2.05	1.59	2.67	---	---	4.23	5.35	---	2.83	2.63	3.79

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.

(--, no data; Other QA, grab sample at center vertical (surface only); E, laboratory estimated value; M, presence of material verified but not quantified; <, numeric result is less than the value shown)

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

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Turbidity, wat unfltd Hach 2100AN NTU (99872)	UV absorbance, 254 nm, wat flt units /cm (50624)	UV absorbance, 280 nm, wat flt units /cm (61726)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfltd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
NOV												
05...	1240	Environmental	9,100	41	0.096	0.072	10.4	8.2	584	10.0	230	62.0
DEC												
17...	1220	Environmental	11,500	30	0.087	0.066	12.4	7.8	704	6.0	300	78.6
17...	1228	Blank	--	--	--	--	--	--	--	--	--	0.05
FEB												
11...	1250	Environmental	14,700	27	0.074	0.055	14.2	8.2	679	3.0	270	70.6
11...	1258	Blank	--	--	0.001	0.001	--	--	--	--	--	--
25...	1240	Environmental	52,600	180	0.126	0.098	12.8	7.8	315	2.0	120	33.2
MAR												
11...	1150	Environmental	41,000	--	--	--	12.2	7.9	446	5.5	180	49.5
11...	1200	Replicate	--	--	--	--	--	--	--	--	180	49.4
25...	1140	Environmental	38,900	110	0.111	0.083	9.6	7.8	481	13.0	210	57.5
APR												
08...	1140	Environmental	26,000	56	0.095	0.070	9.8	7.9	533	12.5	240	63.8
22...	1210	Environmental	20,500	58	0.085	0.063	11.3	8.4	590	17.5	270	70.0
22...	1218	Blank	--	--	--	--	--	--	--	--	--	0.03
MAY												
05...	1230	Environmental	28,600	190	0.118	0.088	7.1	8.0	456	18.5	190	50.2
05...	1240	Replicate	--	190	0.119	0.089	--	--	--	--	130	32.8
19...	1230	Environmental	101,000	50	0.185	0.139	6.0	7.3	404	20.0	180	49.5
JUN												
04...	1320	Environmental	27,300	57	0.111	0.081	8.4	8.1	539	18.0	230	60.1
04...	1320	Blank	--	--	--	--	--	--	--	--	--	--
24...	1230	Environmental	27,700	E69	0.131	0.098	8.1	7.8	312	24.0	220	58.8
JUL												
15...	1250	Environmental	68,800	58	0.175	0.132	7.8	7.7	321	29.0	130	37.5
15...	1258	Blank	--	--	<0.004	<0.004	--	--	--	--	--	--
AUG												
12...	1200	Environmental	22,300	52	0.132	0.097	8.5	8.1	517	19.0	240	62.7
12...	1210	Other QA	--	48	0.134	0.099	--	--	--	--	240	62.7
SEP												
08...	1210	Environmental	62,600	77	0.173	0.129	7.7	7.7	323	28.5	140	38.3

03378500 WABASH RIVER AT NEW HARMONY, IN—Continued

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

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
NOV 05...	19.4	4.02	26.5	173	211	34.1	0.22	5.34	70.5	348	0.32	0.73	<0.04
DEC 17...	25.4	3.41	35.2	194	237	42.8	0.26	5.52	97.8	443	0.29	0.57	<0.04
17...	<0.008	0.03	<0.09	--	--	0.27	<0.01	<0.13	0.03	--	--	--	0.029
FEB 11...	22.2	3.11	34.4	194	237	53.5	0.22	5.88	66.8	403	0.33	0.58	0.05
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	9.90	2.97	13.2	83	101	21.9	0.13	5.22	35.0	189	0.48	1.2	0.14
MAR 11...	14.3	2.46	18.5	124	151	30.6	0.14	6.34	43.6	260	--	--	--
11...	14.6	2.33	18.9	125	153	30.6	0.15	6.42	43.9	259	--	--	--
25...	17.2	2.82	16.5	140	171	26.3	0.17	6.20	45.6	286	0.43	1.0	E0.03
APR 08...	18.5	2.68	16.9	168	205	30.0	0.18	5.40	50.2	324	0.31	0.69	<0.04
22...	22.4	2.71	21.3	188	230	34.0	0.20	0.68	62.7	352	0.32	1.3	<0.04
22...	<0.008	<0.01	<0.09	--	--	<0.01	<0.01	<0.13	<0.01	--	--	--	<0.015
MAY 05...	16.5	3.31	15.6	140	171	26.0	0.18	4.06	49.8	276	0.36	1.6	<0.04
05...	10.8	2.04	9.95	138	169	25.5	0.18	2.77	49.7	277	0.37	1.6	E0.02
19...	13.9	4.41	8.80	125	152	17.9	0.18	7.68	28.5	244	0.62	0.90	<0.04
JUN 04...	18.5	2.83	14.9	176	214	26.4	0.22	5.30	50.1	318	0.34	1.1	<0.015
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
24...	17.7	3.67	12.2	164	200	22.1	0.21	7.67	38.4	280	E0.43	E0.98	<0.04
JUL 15...	9.66	4.34	6.27	105	128	12.4	<0.17	6.81	18.1	196	0.46	0.99	<0.04
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 12...	19.9	4.11	16.7	176	214	25.4	0.23	5.88	41.8	311	0.37	1.1	<0.04
12...	19.8	4.02	16.7	--	--	25.1	0.23	5.76	41.9	300	0.39	1.1	<0.04
SEP 08...	11.9	4.42	7.32	113	137	13.4	0.20	7.86	21.2	210	0.46	1.1	<0.04

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

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, unfltrd mg/L (00665)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Pheophytin a, phytoplankton, ug/L (62360)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Aluminum, water, fltrd, ug/L (01106)
NOV 05...	1.77	0.008	0.072	0.33	0.086	0.19	3.5	<0.1	3.5	3.7	24.5	19.1	--
DEC 17...	2.44	E0.006	0.104	0.24	0.119	0.19	2.0	<0.1	1.9	3.2	7.3	19.7	--
17...	<0.022	<0.002	<0.007	--	--	--	--	--	--	--	--	--	--
FEB 11...	2.93	0.016	0.096	0.19	0.110	0.19	1.7	<0.1	1.7	2.7	3.7	9.4	--
11...	--	--	--	<0.02	--	--	<0.1	<0.1	<0.1	0.5	--	--	--
25...	1.91	0.011	0.089	0.63	0.105	0.41	6.3	0.4	6.0	4.3	--	--	--
MAR 11...	--	--	--	--	--	--	--	--	--	--	4.5	5.7	--
11...	--	--	--	--	--	--	--	--	--	--	4.2	5.6	--
25...	3.57	0.028	0.072	0.52	0.086	0.29	5.3	0.1	5.2	3.8	10.1	14.3	--
APR 08...	3.48	0.015	0.057	0.35	0.072	0.17	3.1	<0.1	3.1	3.4	12.4	7.8	--
22...	2.36	0.009	0.011	0.77	0.025	0.21	5.4	<0.1	5.3	3.0	57.4	47.0	--
22...	<0.022	<0.002	<0.007	--	--	--	--	--	--	--	--	--	--
MAY 05...	1.65	0.014	0.038	0.92	0.050	--	7.5	0.1	7.4	3.9	33.5	31.5	--
05...	1.64	0.014	0.037	0.96	0.049	--	7.6	0.2	7.4	3.9	34.3	33.1	--
19...	4.68	0.074	0.076	0.27	0.097	0.21	2.3	<0.1	2.2	5.6	5.0	5.4	--
JUN 04...	3.33	0.010	0.060	0.63	0.079	0.23	5.3	<0.1	5.3	3.3	30.7	32.1	3
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
24...	E4.45	E0.017	E0.074	0.62	E0.089	E0.26	5.8	0.7	5.0	4.0	16.6	27.3	--
JUL 15...	2.98	0.052	0.095	0.42	0.111	0.29	3.7	<0.1	3.7	5.0	13.4	12.7	--
15...	--	--	--	0.05	--	--	0.3	<0.1	0.3	E0.3	--	--	--
AUG 12...	1.71	0.009	0.083	0.46	0.097	0.24	3.5	<0.1	3.5	3.9	29.7	30.0	--
12...	1.72	0.012	0.082	0.45	0.100	0.21	3.4	0.6	2.8	4.1	--	--	--
SEP 08...	1.41	0.014	0.102	0.38	0.122	0.34	4.0	<0.1	3.9	5.0	13.3	10.6	--

03378500 WABASH RIVER AT NEW HARMONY, IN—Continued

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

Date	Anti- mony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryll- ium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chrom- ium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Mangan- ese, water, fltrd, ug/L (01056)
NOV 05...	--	1.4	--	--	136	--	--	--	--	<10	--	4.8	--
DEC 17...	--	1.4	--	--	144	--	--	--	--	E7	--	5.9	--
17...	--	<0.3	--	--	<7	--	--	--	--	<10	--	<0.5	--
FEB 11...	--	1.2	--	--	111	--	--	--	--	E5	--	4.0	--
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	0.6	--	--	41	--	--	--	--	23	--	1.4	--
MAR 11...	--	0.7	--	--	43	--	--	--	--	11	--	1.8	--
11...	--	0.7	--	--	44	--	--	--	--	E10	--	1.8	--
25...	--	1.0	--	--	53	--	--	--	--	10	--	2.2	--
APR 08...	--	1.1	--	--	59	--	--	--	--	E7	--	2.5	--
22...	--	1.1	--	--	78	--	--	--	--	<10	--	3.0	--
22...	--	<0.3	--	--	<7	--	--	--	--	<10	--	<0.5	--
MAY 05...	--	0.9	--	--	70	--	--	--	--	<10	--	2.5	--
05...	--	0.6	--	--	44	--	--	--	--	E5	--	1.6	--
19...	--	1.3	--	--	45	--	--	--	--	E8	--	1.3	--
JUN 04...	<0.30	1.3	45	<0.06	71	E0.03	<0.8	0.28	2.0	<8	<0.08	2.4	2.9
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
24...	--	1.4	--	--	58	--	--	--	--	<8	--	1.6	--
JUL 15...	--	1.4	--	--	44	--	--	--	--	13	--	1.0	--
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 12...	--	1.9	--	--	87	--	--	--	--	E5	--	2.3	--
12...	--	1.9	--	--	86	--	--	--	--	<8	--	2.3	--
SEP 08...	--	1.4	--	--	53	--	--	--	--	13	--	1.4	--

03378500 WABASH RIVER AT NEW HARMONY, IN—Continued

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

Date	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Diethyl-aniline water fltrd 0.7u GF (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atra-zine, water, fltrd, ug/L (39632)
NOV													
05...	--	--	0.6	--	231	1.4	--	<0.006	E0.063	0.025	<0.004	<0.005	0.205
DEC													
17...	--	--	1.1	--	254	1.3	--	<0.006	E0.034	0.142	<0.004	<0.005	0.267
17...	--	--	<0.5	--	<0.20	<0.1	--	--	--	--	--	--	--
FEB													
11...	--	--	1.0	--	248	3.0	--	<0.006	E0.034	0.008	<0.004	<0.005	0.092
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	0.5	--	102	0.9	--	<0.006	E0.035	0.017	<0.004	<0.005	0.099
MAR													
11...	--	--	0.6	--	146	0.7	--	--	--	--	--	--	--
11...	--	--	0.7	--	149	0.8	--	--	--	--	--	--	--
25...	--	--	0.9	--	178	2.0	--	<0.006	E0.045	0.012	0.005	<0.005	0.132
APR													
08...	--	--	1.0	--	209	2.9	--	<0.006	E0.040	0.010	E0.004	<0.005	0.158
22...	--	--	1.1	--	240	2.9	--	<0.006	E0.049	0.083	<0.004	<0.005	0.843
22...	--	--	<0.5	--	<0.20	E0.1	--	--	--	--	--	--	--
MAY													
05...	--	--	0.6	--	134	1.1	--	<0.006	E0.196	0.115	<0.004	<0.005	4.62
05...	--	--	E0.3	--	86.6	0.7	--	<0.006	E0.234	0.112	<0.004	<0.005	4.64
19...	--	--	0.7	--	138	1.1	--	<0.006	E0.624	2.12	0.072	<0.005	11.9
JUN													
04...	4.1	2.03	0.8	<0.20	210	1.3	M	<0.006	E0.311	0.728	0.046	<0.005	5.81
04...	--	--	--	--	--	--	--	<0.006	<0.006	<0.006	<0.004	<0.005	<0.007
24...	--	--	0.7	--	175	1.5	--	<0.006	E0.520	E0.462	E0.030	<0.005	E3.52
JUL													
15...	--	--	0.5	--	112	1.9	--	<0.006	E0.220	0.302	0.026	<0.005	1.89
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
12...	--	--	0.6	--	229	2.3	--	<0.006	E0.103	0.058	<0.004	<0.005	0.522
12...	--	--	0.7	--	225	2.3	--	--	--	--	--	--	--
SEP													
08...	--	--	E0.4	--	109	2.0	--	<0.006	E0.075	0.042	0.006	<0.005	0.293

03378500 WABASH RIVER AT NEW HARMONY, IN—Continued

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

Date	Azin- phos- methyl, water, fltrd 0.7u GF ug/L (82686)	Ben- flur- alin, water, fltrd 0.7u GF ug/L (82673)	Butyl- ate, water, fltrd, ug/L (04028)	Car- baryl, water, fltrd 0.7u GF ug/L (82680)	Carbo- furan, water, fltrd 0.7u GF ug/L (82674)	Chlor- pyrifos water, fltrd, ug/L (38933)	cis- Per- methrin water fltrd 0.7u GF ug/L (82687)	Cyana- zine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazi- non, water, fltrd, ug/L (39572)	Diel- drin, water, fltrd, ug/L (39381)	Disul- foton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)
NOV 05...	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.005	<0.005	<0.02	<0.002
DEC 17...	<0.050	<0.010	<0.002	E0.017	<0.020	<0.005	<0.006	<0.018	<0.003	<0.006	<0.005	<0.02	<0.002
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 11...	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.005	<0.005	<0.02	<0.002
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.005	<0.005	<0.02	<0.002
MAR 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.005	<0.005	<0.02	<0.002
APR 08...	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.005	<0.005	<0.02	<0.002
22...	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.005	<0.005	<0.02	<0.002
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 05...	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.005	<0.005	<0.02	<0.002
05...	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.005	<0.005	<0.02	<0.002
19...	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.005	<0.005	<0.02	<0.002
JUN 04...	<0.050	<0.010	<0.002	<0.041	E0.030	0.005	<0.006	<0.018	<0.003	E0.004	<0.005	<0.02	<0.002
04...	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	<0.005	<0.005	<0.02	<0.002
24...	<0.050	<0.010	<0.002	<0.041	E0.006	<0.005	<0.006	<0.018	<0.003	<0.005	<0.005	<0.02	<0.002
JUL 15...	<0.050	<0.010	<0.002	E0.002	E0.006	<0.005	<0.006	<0.018	<0.003	0.006	0.010	<0.02	<0.002
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 12...	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	E0.002	<0.005	<0.02	<0.002
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP 08...	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018	<0.003	0.006	<0.005	<0.02	<0.002

03378500 WABASH RIVER AT NEW HARMONY, IN—Continued

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

Date	Ethal- flur- alin, water, fltrd 0.7u GF ug/L (82663)	Etho- prop, water, fltrd 0.7u GF ug/L (82672)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Mala- thion, water, fltrd, ug/L (39532)	Methyl para- thion, water, fltrd 0.7u GF ug/L (82667)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Moli- nate, water, fltrd 0.7u GF ug/L (82671)	Naprop- amide, water, fltrd 0.7u GF ug/L (82684)	p,p'- DDE, water, fltrd, ug/L (34653)	Para- thion, water, fltrd, ug/L (39542)
NOV 05...	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.006	0.103	0.006	<0.002	<0.007	<0.003	<0.010
DEC 17...	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.006	0.042	0.050	<0.002	<0.007	<0.003	<0.010
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 11...	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.006	0.037	<0.006	<0.002	<0.007	<0.003	<0.010
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.006	0.048	0.015	<0.002	<0.007	<0.003	<0.010
MAR 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.006	0.145	0.013	<0.005	<0.007	<0.003	<0.010
APR 08...	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.006	0.052	<0.006	<0.002	<0.007	<0.003	<0.010
22...	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.006	0.121	<0.006	<0.002	<0.007	<0.003	<0.010
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 05...	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.006	0.938	0.009	<0.002	<0.007	<0.003	<0.010
05...	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.006	0.937	<0.010	<0.002	<0.007	<0.003	<0.010
19...	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.006	2.80	0.035	<0.002	<0.007	<0.003	<0.010
JUN 04...	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.006	1.11	0.020	<0.002	<0.007	<0.003	<0.010
04...	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002	<0.020	<0.003	<0.010
24...	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.006	E1.22	E0.020	<0.002	<0.007	<0.003	<0.010
JUL 15...	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.006	0.749	0.015	<0.002	<0.007	<0.003	<0.010
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 12...	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.006	0.261	<0.006	<0.002	<0.007	<0.003	<0.010
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP 08...	<0.009	<0.005	<0.003	<0.004	<0.035	<0.027	<0.006	0.168	<0.006	<0.002	<0.007	<0.003	<0.010

03378500 WABASH RIVER AT NEW HARMONY, IN—Continued

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

Date	Peb- ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi- meth- alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prome- ton, water, fltrd, ug/L (04037)	Pron- amide, water, fltrd 0.7u GF ug/L (82676)	Propa- chlor, water, fltrd, ug/L (04024)	Pro- panil, water, fltrd 0.7u GF ug/L (82679)	Propar- gite, water, fltrd 0.7u GF ug/L (82685)	Sima- zine, water, fltrd, ug/L (04035)	Tebu- thiuron water fltrd 0.7u GF ug/L (82670)	Terba- cil, water, fltrd 0.7u GF ug/L (82665)	Terbu- fos, water, fltrd 0.7u GF ug/L (82675)	Thio- bencarb water fltrd 0.7u GF ug/L (82681)
NOV 05...	<0.004	<0.022	<0.011	0.02	<0.004	<0.010	<0.011	<0.02	0.185	<0.02	<0.034	<0.02	<0.005
DEC 17...	<0.004	<0.022	<0.011	E0.01	<0.004	<0.010	<0.011	<0.02	0.841	<0.02	<0.034	<0.02	<0.005
DEC 17...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 11...	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	0.296	<0.02	<0.034	<0.02	<0.005
FEB 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 25...	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	1.34	<0.02	<0.034	<0.02	<0.005
MAR 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 25...	<0.004	<0.022	<0.011	E0.01	<0.004	<0.010	<0.011	<0.02	0.304	<0.02	<0.034	<0.02	<0.005
APR 08...	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	0.144	<0.02	<0.034	<0.02	<0.005
APR 22...	<0.004	<0.022	<0.011	0.02	<0.004	<0.010	<0.011	<0.02	0.250	<0.02	<0.034	<0.02	<0.005
APR 22...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 05...	<0.004	<0.022	<0.011	0.02	<0.004	<0.010	<0.011	<0.02	1.00	<0.02	<0.034	<0.02	<0.005
MAY 05...	<0.004	<0.022	<0.011	0.02	<0.004	<0.010	<0.011	<0.02	0.985	<0.02	<0.034	<0.02	<0.005
MAY 19...	<0.004	<0.022	<0.011	E0.02	<0.004	<0.010	<0.011	<0.02	0.837	<0.02	<0.034	<0.02	<0.005
JUN 04...	<0.004	<0.022	<0.011	0.02	<0.004	<0.010	<0.011	<0.02	0.336	<0.02	<0.034	<0.02	<0.005
JUN 04...	<0.004	<0.022	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005
JUN 24...	<0.004	<0.022	<0.011	E0.03	<0.004	<0.010	<0.011	<0.02	E0.334	<0.02	<0.034	<0.02	<0.005
JUL 15...	<0.004	<0.022	<0.011	0.04	<0.004	<0.010	<0.011	<0.02	0.085	<0.02	<0.034	<0.02	<0.005
JUL 15...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 12...	<0.004	<0.022	<0.011	0.04	<0.004	<0.010	<0.011	<0.02	0.044	<0.02	<0.034	<0.02	<0.005
AUG 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP 08...	<0.004	<0.022	<0.011	0.02	<0.004	<0.010	<0.011	<0.02	0.026	<0.02	<0.034	<0.02	<0.005

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

Date	Tri- allate, water, fltrd 0.7u GF ug/L (82678)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)	Uranium natural water, fltrd, ug/L (22703)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)	Sus- pended sedi- ment concentra- tion mg/L (80154)
NOV 05...	<0.002	<0.009	--	97	69
DEC 17...	<0.002	<0.009	--	99	41
DEC 17...	--	--	--	--	--
FEB 11...	<0.002	<0.009	--	97	48
FEB 11...	--	--	--	--	--
FEB 25...	<0.002	<0.009	--	92	370
MAR 11...	--	--	--	89	133
MAR 11...	--	--	--	89	135
MAR 25...	<0.002	<0.009	--	96	191
APR 08...	<0.002	<0.009	--	97	109
APR 22...	<0.002	<0.009	--	97	113
APR 22...	--	--	--	--	--
MAY 05...	<0.002	<0.009	--	99	431
MAY 05...	--	--	--	98	439
MAY 19...	<0.002	<0.009	--	84	96
JUN 04...	<0.002	<0.009	1.22	97	125
JUN 04...	<0.002	<0.009	--	--	--
JUN 24...	<0.002	<0.009	--	95	163
JUL 15...	<0.002	<0.009	--	89	172
JUL 15...	--	--	--	--	--
AUG 12...	<0.002	<0.009	--	99	101
AUG 12...	--	--	--	--	--
SEP 08...	<0.002	<0.009	--	89	207

03378550 BIG CREEK NEAR WADESVILLE, IN

LOCATION.--Lat 38°04'58", long 87°46'10", in SW¼SW¼ 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 below 1.0 ft³/s, which are poor.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	4.0	2.4	1,760	13	331	86	63	42	12	2.1	2.2
2	1.1	2.6	2.2	501	14	333	67	125	37	12	6.7	6.0
3	0.91	2.1	2.1	230	19	166	55	51	512	11	16	5.6
4	25	2.8	2.0	132	58	130	47	94	136	11	8.1	4.0
5	36	14	2.3	105	24	119	45	1,500	91	9.0	5.7	3.3
6	6.7	33	2.6	81	20	95	35	415	73	7.4	5.5	2.6
7	2.9	8.8	2.7	68	19	79	69	443	63	5.9	3.5	2.2
8	1.8	4.9	3.2	68	16	74	49	347	52	5.3	2.3	1.8
9	1.4	3.6	3.9	58	17	59	43	186	43	4.9	2.0	1.6
10	1.5	374	3.9	40	20	46	53	120	43	7.7	1.9	1.6
11	1.5	408	5.7	29	21	46	44	157	233	10	1.8	1.4
12	1.6	33	13	e25	20	50	37	95	2,240	6.7	1.8	1.3
13	1.5	14	54	e20	18	67	30	72	573	5.4	1.7	1.1
14	1.1	9.3	201	e17	39	70	27	62	223	4.3	1.6	0.97
15	0.94	7.7	56	e15	301	61	26	59	125	3.6	1.5	0.89
16	0.78	6.6	27	e13	202	56	25	70	92	3.3	1.4	1.1
17	0.71	5.5	20	e12	107	52	134	147	74	3.3	1.1	1.3
18	0.64	4.4	22	e11	78	48	71	245	59	3.5	1.0	1.2
19	1.1	4.4	995	e10	166	392	46	109	49	4.0	0.99	1.0
20	1.3	4.3	484	e9.6	514	257	41	113	39	3.9	1.1	0.82
21	1.3	4.6	121	e9.0	868	147	60	103	32	50	1.1	0.77
22	1.4	4.0	75	e8.6	2,940	107	36	77	28	35	1.1	11
23	1.2	3.6	48	e8.2	1,970	86	28	62	25	8.4	1.0	13
24	0.95	3.4	49	e7.8	462	73	27	49	21	4.6	0.99	7.2
25	73	3.1	67	e7.7	211	65	75	135	20	3.7	0.99	3.1
26	78	3.0	51	e7.8	154	100	162	165	19	2.9	0.99	1.5
27	7.5	2.7	46	e8.2	130	80	57	85	20	2.5	0.99	0.96
28	3.3	2.7	53	e9.7	144	97	41	72	17	2.4	0.99	1.4
29	148	2.8	112	15	---	453	47	165	15	2.5	0.99	1.0
30	59	2.7	121	12	---	141	37	78	12	2.2	1.2	0.91
31	8.1	---	607	12	---	102	---	61	---	2.0	1.9	---
TOTAL	471.73	979.6	3,255.0	3,310.6	8,565	3,982	1,600	5,525	5,008	250.4	80.03	82.82
MEAN	15.2	32.7	105	107	306	128	53.3	178	167	8.08	2.58	2.76
MAX	148	408	995	1,760	2,940	453	162	1,500	2,240	50	16	13
MIN	0.64	2.1	2.0	7.7	13	46	25	49	12	2.0	0.99	0.77
CFSM	0.15	0.31	1.01	1.03	2.94	1.24	0.51	1.71	1.61	0.08	0.02	0.03
IN.	0.17	0.35	1.16	1.18	3.06	1.42	0.57	1.98	1.79	0.09	0.03	0.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2003, BY WATER YEAR (WY)

MEAN	24.7	83.2	138	141	191	212	195	163	93.3	70.4	42.4	26.0
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 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1966 - 2003

ANNUAL TOTAL	46,051.16	33,110.18		
ANNUAL MEAN	126	90.7		115
HIGHEST ANNUAL MEAN				207
LOWEST ANNUAL MEAN				38.7
HIGHEST DAILY MEAN	4,090	May 13	2,940	Feb 22
LOWEST DAILY MEAN	0.10	Sep 11	0.64	Oct 18
ANNUAL SEVEN-DAY MINIMUM	0.17	Sep 6	0.94	Oct 14
MAXIMUM PEAK FLOW			4,860	Feb 22
MAXIMUM PEAK STAGE			18.52	Feb 22
ANNUAL RUNOFF (CFSM)	1.21		0.87	
ANNUAL RUNOFF (INCHES)	16.47		11.84	
10 PERCENT EXCEEDS	256		165	210
50 PERCENT EXCEEDS	25		20	17
90 PERCENT EXCEEDS	0.46		1.3	0.26

e Estimated

03378550 BIG CREEK NEAR WADESVILLE, IN—Continued

