04177720 FISH CREEK AT HAMILTON, IN

LOCATION.--Lat 41°31'56", long 84°54'13", in SE¼SW¼ sec.34, T.36 N., R.14 E., Steuben County, Hydrologic Unit 04100003, (HAMILTON, IN quadrangle), on left bank 6 ft upstream from bridge on County Road 775 South, 0.5 mi downstream from Hamilton Lake outlet, and 0.5 mi southeast of Hamilton.

DRAINAGE AREA.--37.5 mi^2.

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

GAGE.--Water-stage recorder. Datum of gage is 876.00 ft above National Geodetic Vertical Datum of 1929.

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	7.0	93	47	22	57	34	17	6.3	3.0	8.1	1.6
2	4.6	16	80	57	21	51	34	16	5.3	1.8	6.5	1.6
3	3.0	13	58	122	20	45	28	14	5.3	1.7	5.1	1.3
4	2.8	19	43	232	20	42	23	13	5.6	2.0	4.0	1.2
5	2.1	17	35	181	19	47	23	13	6.4	2.4	3.5	1.2
6	2.1	13	33	142	19	70	22	12	8.4	2.0	2.9	1.2
7	2.1	12	111	104	38	121	24	15	6.7	1.8	2.4	1.2
8	2.5	9.2	187	84	111	108	22	13	6.0	1.9	2.0	1.3
9	3.4	6.4	127	70	126	74	20	13	5.2	1.7	1.8	2.0
10	2.6	5.8	96	60	94	58	19	13	4.9	1.7	1.8	1.8
11	2.6	5.8	93	64	76	53	17	12	6.5	1.6	1.7	1.7
12	2.8	4.8	71	155	68	50	15	11	8.5	1.5	1.8	1.6
13	3.2	3.9	59	460	78	43	14	11	18	1.8	3.0	1.6
14	3.3	3.5	45	497	282	38	13	29	15	1.9	6.6	1.6
15	5.4	3.7	35	317	325	35	12	23	9.6	1.9	4.2	1.7
16	6.2	4.5	30	209	348	34	12	18	7.1	8.1	3.3	6.2
17	3.6	5.7	27	145	273	34	12	16	4.8	18	2.6	3.5
18	2.9	7.2	25	107	183	35	13	14	4.2	12	2.1	2.6
19	4.2	13	e22	90	130	50	12	21	4.1	12	2.4	3.0
20	4.0	16	e18	74	110	76	13	32	3.8	8.2	3.9	3.2
21	3.9	13	17	62	125	61	13	25	3.8	22	3.9	2.1
22	3.9	11	15	e56	123	53	19	20	3.3	31	1.9	5.5
23	5.3	10	e14	e49	103	49	33	19	2.6	19	1.5	16
24	8.2	24	e14	e44	89	43	31	16	2.8	15	1.4	8.5
25	7.1	46	e14	e40	75	43	25	13	2.7	11	1.4	9.5
26	6.8	33	e14	e37	64	45	24	12	2.9	12	1.5	25
27	7.0	64	e13	e32	56	42	26	10	3.4	47	1.8	15
28	6.6	126	e13	e28	54	40	23	9.3	2.9	30	1.6	11
29	7.4	80	14	27	---	36	21	8.5	2.6	19	1.6	14
30	13	60	14	26	---	33	20	7.9	2.9	13	2.3	8.5
31	10	---	37	24	---	37	---	7.0	---	10	2.1	---
TOTAL	145.7	653.5	1,467	3,642	3,052	1,603	617	473.7	171.6	316.0	90.7	156.2
MEAN	4.70	21.8	47.3	117	109	51.7	20.6	15.3	5.72	10.2	2.93	5.21
MAX	13	126	187	497	348	121	34	32	18	47	8.1	25
MIN	2.1	3.5	13	24	19	33	12	7.0	2.6	1.5	1.4	1.2
CFSM	0.13	0.58	1.26	3.13	2.91	1.38	0.55	0.41	0.15	0.27	0.08	0.14
IN.	0.14	0.65	1.46	3.61	3.03	1.59	0.61	0.47	0.17	0.31	0.09	0.15

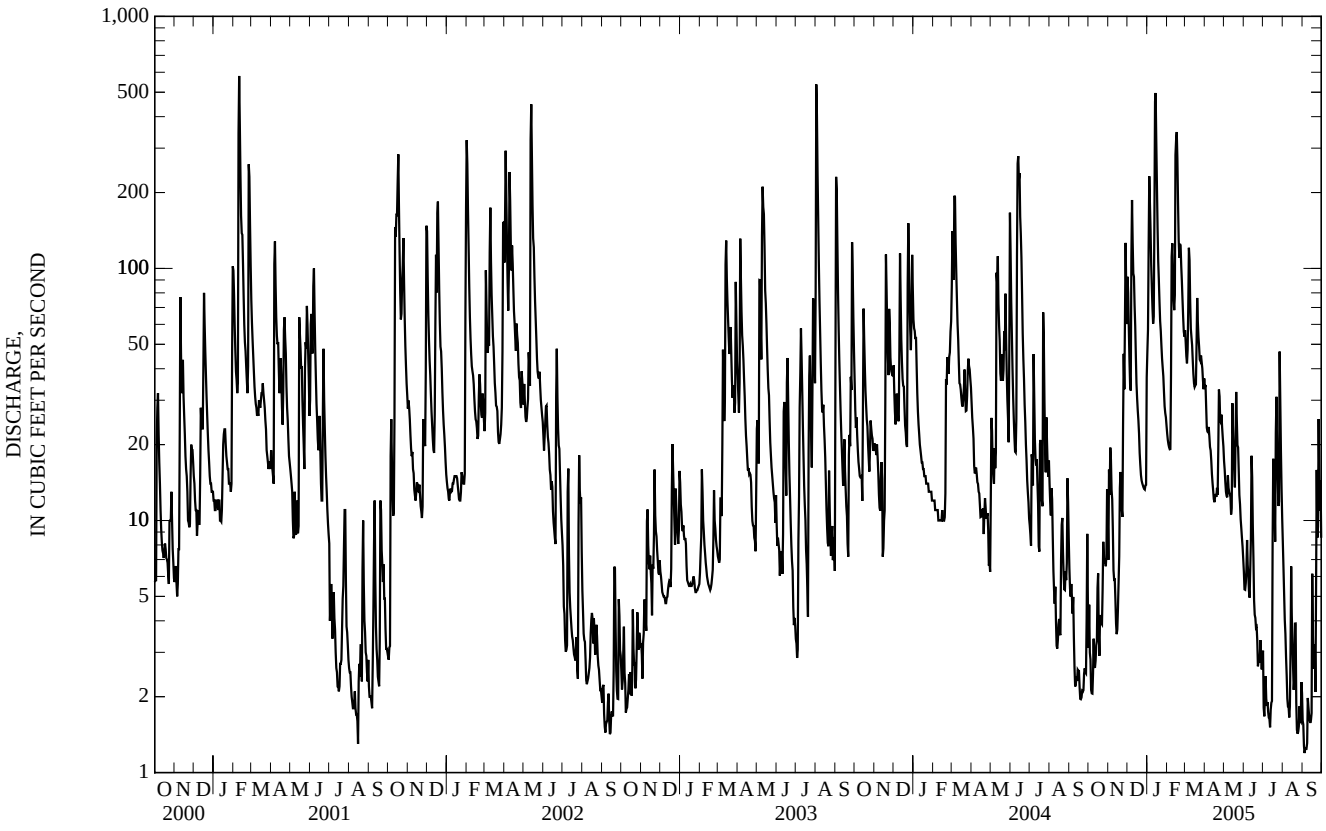
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2005, BY WATER YEAR (WY)

MEAN	14.3	27.0	37.0	38.7	50.0	67.4	58.7	40.2	30.3	15.0	13.7	11.6
MAX	76.8	117	91.3	161	130	219	112	174	118	64.3	64.9	49.4
(WY)	(2002)	(1993)	(1991)	(1993)	(2001)	(1982)	(1978)	(1996)	(1981)	(1992)	(2003)	(2003)
MIN	2.14	2.46	4.69	5.96	7.84	21.6	13.3	8.24	2.05	2.02	1.89	1.88
(WY)	(1995)	(1972)	(2000)	(1977)	(1979)	(2000)	(2004)	(1985)	(1988)	(1988)	(1970)	(1988)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1970 - 2005	
ANNUAL TOTAL	10,633.7		12,388.4			
ANNUAL MEAN	29.1		33.9		33.6	
HIGHEST ANNUAL MEAN					54.7	1993
LOWEST ANNUAL MEAN					17.8	1972
HIGHEST DAILY MEAN	279	Jun 13	497	Jan 14	1,220	May 17, 1996
LOWEST DAILY MEAN	2.0	Sep 18	1.2	Sep 4	0.52	Aug 31, 1971
ANNUAL SEVEN-DAY MINIMUM	2.1	Sep 17	1.3	Sep 2	0.82	Aug 26, 1971
MAXIMUM PEAK FLOW			562	Jan 13	1,510	May 17, 1996
MAXIMUM PEAK STAGE			9.24	Jan 13	14.49	May 17, 1996
ANNUAL RUNOFF (CFSM)	0.775		0.905		0.895	
ANNUAL RUNOFF (INCHES)	10.55		12.29		12.16	
10 PERCENT EXCEEDS	68		86		79	
50 PERCENT EXCEEDS	14		13		16	
90 PERCENT EXCEEDS	3.4		1.9		3.0	

e Estimated

04177720 FISH CREEK AT HAMILTON, IN—Continued



04177810 FISH CREEK NEAR ARTIC, IN

LOCATION.--Lat 41°27'54", long 84°48'51", in NE¼SE¼ sec. 29, T.35 N., R.15 E., DeKalb County, Hydrologic Unit 04100003, (BUTLER EAST, IN-OH quadrangle), on right bank 3 ft upstream from bridge on County Road 79, 0.6 mi south of Artic, 0.8 mi upstream from Indiana-Ohio state line and 3.8 mi north-northeast of Butler, IN.

DRAINAGE AREA.--98 mi^2 (approx.).

WATER DISCHARGE RECORDS

PERIOD OF RECORD.--April 1998 to current year.

GAGE.--Water-stage recorder. Datum of gage is 832.96 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except for Nov. 3-6, 24-29, Dec. 2, 8-9, 14, Dec. 31 to Feb. 5, and estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	24	235	121	e68	153	97	53	23	9.0	e25	9.0
2	9.9	26	237	131	e66	145	94	48	21	8.6	e21	8.7
3	9.1	28	202	223	e64	e122	88	44	20	7.9	e17	8.5
4	8.4	22	130	471	e62	e117	79	40	20	7.5	e14	8.4
5	8.1	27	98	515	e60	134	72	38	19	7.6	e13	8.3
6	7.9	37	83	381	e60	184	70	36	20	7.4	e12	8.3
7	7.6	34	201	247	103	282	69	36	20	7.0	11	8.3
8	7.8	29	371	180	288	329	68	37	19	6.6	11	8.3
9	8.6	24	467	145	457	260	63	34	17	6.3	10	e8.5
10	8.7	20	314	124	442	e162	60	32	16	6.1	9.7	e8.8
11	8.8	18	242	126	291	148	57	31	16	5.8	9.7	8.6
12	8.5	17	209	322	221	132	51	30	19	5.9	9.8	8.6
13	9.0	16	162	870	211	122	48	29	35	6.5	10	8.5
14	9.6	15	121	1,350	465	109	45	47	49	7.9	12	8.5
15	10	14	94	947	846	101	42	81	42	e8.2	12	8.6
16	12	13	78	683	858	98	40	60	28	e15	11	10
17	15	14	70	e475	771	99	39	47	22	e33	10	11
18	14	15	62	e355	e527	104	40	40	18	e18	9.7	11
19	13	22	55	e281	e363	124	39	43	16	e13	e9.4	10
20	15	30	e50	e231	300	206	38	77	15	e12	9.6	10
21	15	33	e47	e188	314	212	39	96	14	e16	10	e10
22	15	30	e45	e157	343	166	39	69	13	e27	11	9.6
23	14	26	e43	e133	304	144	67	55	12	e48	9.9	18
24	18	38	e42	e114	258	130	82	49	11	e33	9.2	20
25	20	83	e41	e103	216	119	e79	41	10	e24	9.0	17
26	19	88	e41	e95	183	125	74	e35	10	e22	e8.9	24
27	20	121	e40	e87	158	125	76	32	10	e45	e8.9	30
28	18	259	e40	e82	145	117	74	29	9.8	e105	8.9	23
29	18	316	e40	e77	---	109	65	27	9.3	e95	8.8	19
30	19	220	e40	e73	---	100	59	26	9.1	e53	8.9	19
31	27	---	87	e70	---	96	---	e24	---	e33	9.3	---
TOTAL	408.0	1,659	3,987	9,357	8,444	4,574	1,853	1,366	563.2	700.3	349.7	369.5
MEAN	13.2	55.3	129	302	302	148	61.8	44.1	18.8	22.6	11.3	12.3
MAX	27	316	467	1,350	858	329	97	96	49	105	25	30
MIN	7.6	13	40	70	60	96	38	24	9.1	5.8	8.8	8.3
CFSM	0.13	0.56	1.31	3.08	3.08	1.51	0.63	0.45	0.19	0.23	0.12	0.13
IN.	0.15	0.63	1.51	3.55	3.21	1.74	0.70	0.52	0.21	0.27	0.13	0.14

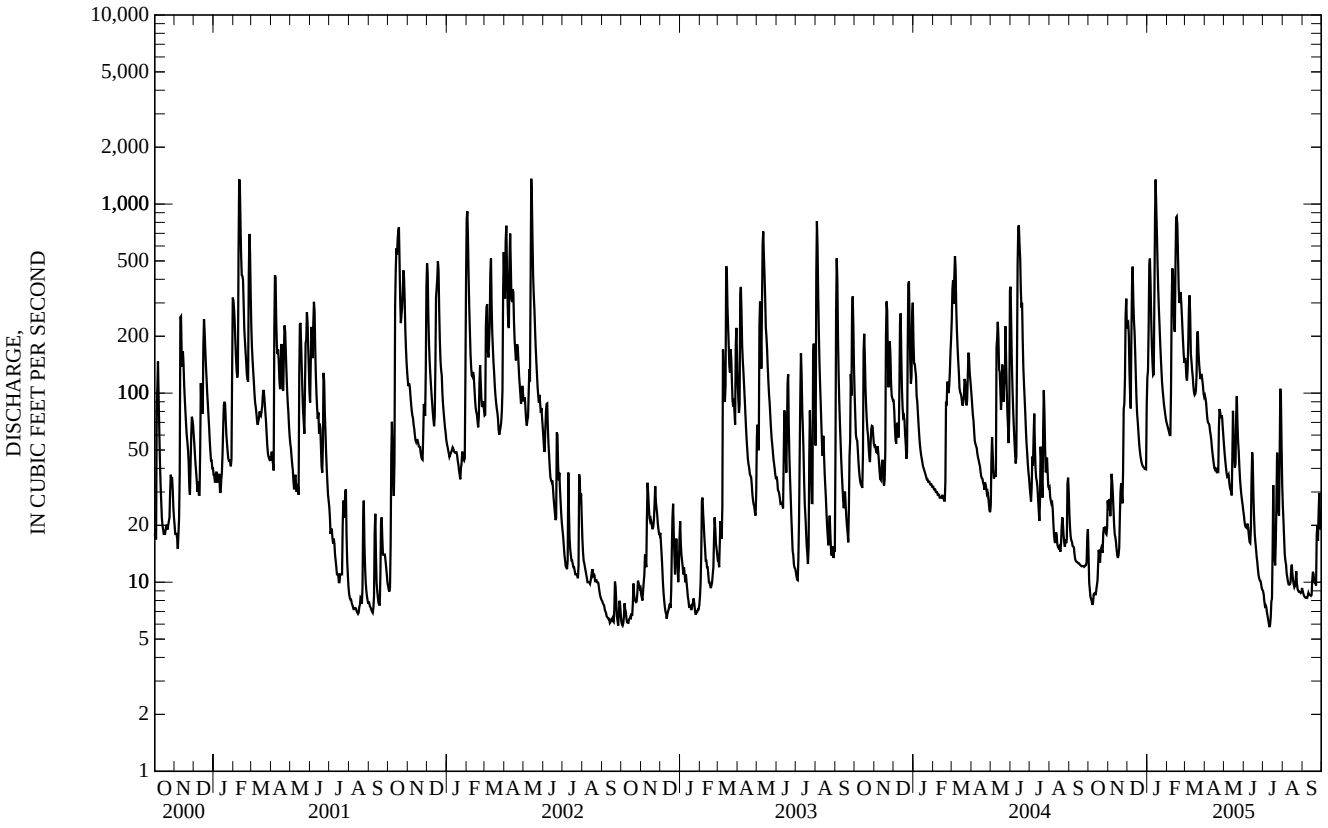
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2005, BY WATER YEAR (WY)

MEAN	59.0	51.1	82.8	100	160	136	147	116	90.4	28.7	38.8	28.8
MAX	260	89.8	187	302	384	184	306	222	221	52.7	110	113
(WY)	(2002)	(2004)	(2002)	(2005)	(2001)	(2004)	(1999)	(2002)	(2000)	(2003)	(1998)	(2003)
MIN	5.73	7.33	11.9	9.41	14.6	66.8	44.2	44.1	18.8	14.2	7.82	4.32
(WY)	(2000)	(2000)	(2003)	(2003)	(2003)	(2000)	(2004)	(2005)	(2005)	(1999)	(1999)	(1999)

04177810 FISH CREEK NEAR ARTIC, IN—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1998 - 2005	
ANNUAL TOTAL	28,760.0		33,630.7			
ANNUAL MEAN	78.6		92.1		86.9	
HIGHEST ANNUAL MEAN					129	2002
LOWEST ANNUAL MEAN					62.9	2000
HIGHEST DAILY MEAN	772	Jun 14	1,350	Jan 14	1,360	May 13, 2002
LOWEST DAILY MEAN	7.6	Oct 7	5.8	Jul 11	3.6	Sep 12, 1999
ANNUAL SEVEN-DAY MINIMUM	8.2	Oct 4	6.3	Jul 7	3.8	Sep 10, 1999
MAXIMUM PEAK FLOW			1,380	Jan 14	1,690	May 13, 2002
MAXIMUM PEAK STAGE			11.02	Jan 14	11.60	May 13, 2002
ANNUAL RUNOFF (CFSM)	0.802		0.940		0.887	
ANNUAL RUNOFF (INCHES)	10.92		12.77		12.05	
10 PERCENT EXCEEDS	195		239		221	
50 PERCENT EXCEEDS	38		37		37	
90 PERCENT EXCEEDS	14		8.8		8.5	

e Estimated



04177810 FISH CREEK NEAR ARTIC, IN—Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY)
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Day	Mean discharge (ft^3/s)	Mean concentration (mg/L)	Load (tons/day)	Mean discharge (ft^3/s)	Mean concentration (mg/L)	Load (tons/day)	Mean discharge (ft^3/s)	Mean concentration (mg/L)	Load (tons/day)
		OCTOBER			NOVEMBER			DECEMBER	
1	14	18	0.65	24	16	1.0	235	33	21
2	9.9	22	0.59	26	10	0.70	237	29	18
3	9.1	11	0.28	28	17	1.2	202	20	11
4	8.4	20	0.45	22	21	1.3	130	12	4.4
5	8.1	6	0.13	27	12	0.85	98	12	3.2
6	7.9	5	0.11	37	15	1.5	83	16	3.6
7	7.6	8	0.17	34	16	1.5	201	84	55
8	7.8	10	0.21	29	12	0.93	371	86	85
9	8.6	12	0.28	24	8	0.51	467	55	70
10	8.7	14	0.34	20	3	0.15	314	34	29
11	8.8	11	0.27	18	9	0.41	242	30	20
12	8.5	10	0.23	17	24	1.1	209	22	12
13	9.0	20	0.49	16	12	0.52	162	17	7.4
14	9.6	12	0.30	15	9	0.34	121	15	4.8
15	10	16	0.44	14	15	0.56	94	13	3.4
16	12	6	0.19	13	10	0.35	78	12	2.6
17	15	9	0.36	14	30	1.2	70	10	1.8
18	14	21	0.77	15	20	0.83	62	10	1.7
19	13	11	0.38	22	24	1.4	55	10	1.5
20	15	7	0.27	30	29	2.3	e50	10	1.3
21	15	15	0.62	33	27	2.4	e47	10	1.2
22	15	28	1.1	30	19	1.6	e45	10	1.2
23	14	23	0.89	26	15	1.0	e43	10	1.1
24	18	16	0.79	38	33	4.2	e42	10	1.1
25	20	15	0.80	83	46	10	e41	9	1.0
26	19	16	0.81	88	28	6.6	e41	9	1.0
27	20	9	0.49	121	38	13	e40	9	1.0
28	18	12	0.60	259	73	51	e40	9	0.99
29	18	20	0.94	316	47	40	e40	9	0.98
30	19	31	1.6	220	24	15	e40	9	0.97
31	27	26	1.9	---	---	---	87	16	3.9
TOTAL	408.0	---	17.45	1,659	---	163.45	3,987	---	371.14
		JANUARY			FEBRUARY			MARCH	
1	121	14	4.4	e68	9	1.7	153	11	4.5
2	131	14	4.9	e66	9	1.6	145	10	3.8
3	223	49	34	e64	9	1.6	e122	8	2.5
4	471	51	64	e62	9	1.5	e117	8	2.5
5	515	32	44	e60	8	1.4	134	15	5.8
6	381	21	21	e60	8	1.3	184	29	15
7	247	17	12	103	21	6.8	282	59	44
8	180	13	6.5	288	74	58	329	36	32
9	145	11	4.4	457	46	57	260	21	15
10	124	8	2.8	442	31	37	e162	14	6.3
11	126	11	3.8	291	22	18	148	12	4.6
12	322	43	39	221	19	11	132	13	4.5
13	870	56	131	211	17	9.8	122	19	6.3
14	1,350	41	148	465	79	104	109	24	7.0
15	947	26	67	846	55	125	101	34	9.2
16	683	20	37	858	33	78	98	33	8.8
17	e475	21	27	771	28	58	99	35	9.5
18	e355	19	18	e527	28	39	104	25	6.9
19	e281	17	13	e363	28	27	124	38	14
20	e231	15	9.7	300	22	18	206	57	31
21	e188	14	7.0	314	23	19	212	30	17
22	e157	12	5.2	343	23	21	166	19	8.5
23	e133	12	4.2	304	21	17	144	21	8.2
24	e114	11	3.5	258	19	13	130	23	8.1
25	e103	11	3.1	216	18	11	119	34	11
26	e95	11	2.8	183	14	6.7	125	34	11
27	e87	11	2.5	158	20	8.7	125	31	11
28	e82	10	2.3	145	11	4.4	117	18	5.8
29	e77	10	2.1	---	---	---	109	20	6.0
30	e73	10	2.0	---	---	---	100	17	4.5
31	e70	10	1.8	---	---	---	96	20	5.1
TOTAL	9,357	---	728.0	8,444	---	756.5	4,574	---	329.4

04177810 FISH CREEK NEAR ARTIC, IN—Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY)—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Day	Mean discharge (ft^3/s)	Mean concentration (mg/L)	Load (tons/day)	Mean discharge (ft^3/s)	Mean concentration (mg/L)	Load (tons/day)	Mean discharge (ft^3/s)	Mean concentration (mg/L)	Load (tons/day)
		APRIL			MAY			JUNE	
1	97	18	4.6	53	31	4.4	23	81	4.9
2	94	8	2.0	48	31	4.0	21	53	3.0
3	88	8	1.8	44	33	3.9	20	28	1.5
4	79	13	2.7	40	45	4.9	20	36	1.9
5	72	17	3.3	38	39	3.9	19	56	2.9
6	70	16	2.9	36	45	4.4	20	67	3.7
7	69	18	3.3	36	45	4.4	20	75	4.2
8	68	31	5.6	37	52	5.2	19	62	3.2
9	63	34	5.8	34	39	3.6	17	76	3.6
10	60	40	6.5	32	36	3.1	16	59	2.6
11	57	32	4.8	31	54	4.5	16	50	2.2
12	51	31	4.3	30	54	4.4	19	54	2.8
13	48	25	3.2	29	56	4.3	35	91	8.6
14	45	26	3.1	47	44	5.6	49	128	16
15	42	30	3.4	81	47	10	42	56	6.5
16	40	21	2.3	60	39	6.3	28	48	3.7
17	39	23	2.5	47	62	7.9	22	39	2.3
18	40	23	2.5	40	47	5.1	18	43	2.1
19	39	27	2.8	43	46	5.3	16	67	3.0
20	38	30	3.1	77	44	9.2	15	79	3.2
21	39	43	4.6	96	45	12	14	101	3.7
22	39	36	3.8	69	32	6.1	13	96	3.3
23	67	26	4.6	55	37	5.5	12	74	2.3
24	82	26	5.9	49	65	8.6	11	96	2.8
25	e79	22	4.8	41	56	6.1	10	62	1.7
26	74	32	6.3	e35	89	8.4	10	59	1.6
27	76	31	6.3	32	86	7.4	10	53	1.5
28	74	34	6.8	29	65	5.1	9.8	68	1.8
29	65	21	3.7	27	67	4.9	9.3	58	1.5
30	59	19	3.1	26	41	2.9	9.1	40	0.98
31	---	---	---	e24	41	2.7	---	---	---
TOTAL	1,853	---	120.4	1,366	---	174.1	563.2	---	103.08

04177810 FISH CREEK NEAR ARTIC, IN—Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY)—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Day	Mean discharge (ft^3/s)	Mean concentration (mg/L)	Load (tons/day)	Mean discharge (ft^3/s)	Mean concentration (mg/L)	Load (tons/day)	Mean discharge (ft^3/s)	Mean concentration (mg/L)	Load (tons/day)
		JULY			AUGUST			SEPTEMBER	
1	9.0	49	1.2	e25	45	3.1	9.0	43	1.1
2	8.6	52	1.2	e21	42	2.4	8.7	55	1.3
3	7.9	53	1.1	e17	43	2.0	8.5	55	1.3
4	7.5	54	1.1	e14	38	1.4	8.4	76	1.7
5	7.6	60	1.2	e13	48	1.7	8.3	67	1.5
6	7.4	48	0.96	e12	37	1.2	8.3	64	1.4
7	7.0	66	1.2	11	45	1.4	8.3	86	1.9
8	6.6	67	1.2	11	47	1.3	8.3	67	1.5
9	6.3	65	1.1	10	91	2.5	e8.5	42	0.96
10	6.1	54	0.88	9.7	77	2.0	e8.8	36	0.85
11	5.8	52	0.81	9.7	72	1.9	8.6	56	1.3
12	5.9	61	0.98	9.8	71	1.9	8.6	27	0.62
13	6.5	54	0.95	10	51	1.4	8.5	32	0.74
14	7.9	56	1.2	12	79	2.5	8.5	54	1.2
15	e8.2	34	0.75	12	74	2.5	8.6	41	0.96
16	e15	27	1.1	11	49	1.5	10	50	1.4
17	e33	33	2.9	10	62	1.7	11	41	1.3
18	e18	37	1.8	9.7	73	1.9	11	33	0.99
19	e13	36	1.3	e9.4	91	2.3	10	27	0.74
20	e12	40	1.3	9.6	97	2.5	10	33	0.87
21	e16	52	2.3	10	77	2.1	e10	30	0.82
22	e27	56	4.1	11	68	2.1	9.6	30	0.78
23	e48	60	7.9	9.9	62	1.6	18	62	3.2
24	e33	49	4.3	9.2	43	1.1	20	58	3.1
25	e24	38	2.5	9.0	70	1.7	17	41	1.9
26	e22	32	1.9	e8.9	68	1.6	24	65	4.3
27	e45	110	13	e8.9	85	2.0	30	52	4.2
28	e105	111	31	8.9	103	2.5	23	39	2.4
29	e95	68	17	8.8	91	2.2	19	46	2.4
30	e53	64	9.3	8.9	64	1.5	19	45	2.3
31	e33	66	5.9	9.3	62	1.6	---	---	---
TOTAL	700.3	---	123.43	349.7	---	59.1	369.5	---	49.03
YEAR	33,630.7	2,995.08							

e Estimated

04178000 ST. JOSEPH RIVER NEAR NEWVILLE, IN

LOCATION.--Lat 41°23'07", long 84°48'06", in SW¼SW¼ sec.18, T.5 N., R.1 E., Defiance County, Ohio, Hydrologic Unit 04100003, (BUTLER EAST, IN-OH quadrangle), on left downstream side at bridge on Ohio State Highway 249, 3.5 mi northeast of Newville, 6.5 mi northwest of Hicksville, OH, and at mile 42.3.

DRAINAGE AREA.--610 mi^2.

PERIOD OF RECORD.--October 1946 to current year. Monthly discharge only for some periods, published in WSP 1307.

REVISED RECORDS.--WSP 2112: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 795.40 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 22, 1947, nonrecording gage at same site and datum.

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	81	75	1,230	756	514	851	513	e310	168	88	159	49
2	84	89	1,330	853	466	801	493	e282	157	81	132	48
3	80	98	1,220	1,130	441	731	468	e264	148	89	113	47
4	70	99	1,050	1,630	411	662	440	e245	139	93	96	46
5	65	109	872	1,880	393	655	403	e226	135	83	86	44
6	58	118	677	1,870	383	845	373	214	132	76	79	43
7	53	123	846	1,720	402	1,150	358	205	130	74	73	42
8	50	126	1,520	1,570	901	1,330	342	192	132	72	69	41
9	50	117	1,600	1,330	1,390	1,350	329	189	119	70	64	41
10	51	108	1,580	1,010	1,410	1,350	316	184	109	67	62	40
11	51	99	1,600	847	1,470	1,350	300	177	111	64	59	39
12	51	90	1,600	1,340	1,350	1,210	282	172	113	61	57	39
13	52	85	1,480	2,620	1,390	953	265	165	122	63	61	38
14	52	81	1,220	4,020	1,840	753	252	185	148	68	65	39
15	55	77	922	5,170	2,560	636	242	230	181	70	72	40
16	62	73	688	5,330	3,290	568	229	361	203	69	79	48
17	61	71	547	4,770	3,840	542	222	342	178	78	72	47
18	66	71	466	4,040	4,130	543	216	287	151	100	66	49
19	71	83	408	3,300	3,560	576	212	254	131	114	62	50
20	64	111	325	2,590	2,820	775	210	292	120	99	64	53
21	47	130	e300	2,140	2,370	891	206	391	113	108	62	53
22	50	146	e280	1,720	2,050	909	206	538	106	149	59	53
23	58	150	e265	1,470	1,760	884	220	515	99	180	67	103
24	63	181	e250	1,280	1,590	816	268	413	93	178	69	154
25	62	571	e240	1,120	1,430	741	322	341	87	159	62	104
26	59	614	e230	968	1,250	698	343	296	82	138	57	176
27	64	684	e220	854	1,080	678	368	261	78	388	55	223
28	67	1,150	e215	768	920	650	382	232	81	382	52	149
29	68	1,210	e210	664	---	615	381	210	83	424	51	111
30	71	1,130	e220	582	---	576	e345	193	94	324	51	92
31	73	---	413	547	---	542	---	179	---	216	50	---
TOTAL	1,909	7,869	24,024	59,889	45,411	25,631	9,506	8,345	3,743	4,225	2,225	2,101
MEAN	61.6	262	775	1,932	1,622	827	317	269	125	136	71.8	70.0
MAX	84	1,210	1,600	5,330	4,130	1,350	513	538	203	424	159	223
MIN	47	71	210	547	383	542	206	165	78	61	50	38
CFSM	0.10	0.43	1.27	3.17	2.66	1.36	0.52	0.44	0.20	0.22	0.12	0.11
IN.	0.12	0.48	1.47	3.65	2.77	1.56	0.58	0.51	0.23	0.26	0.14	0.13

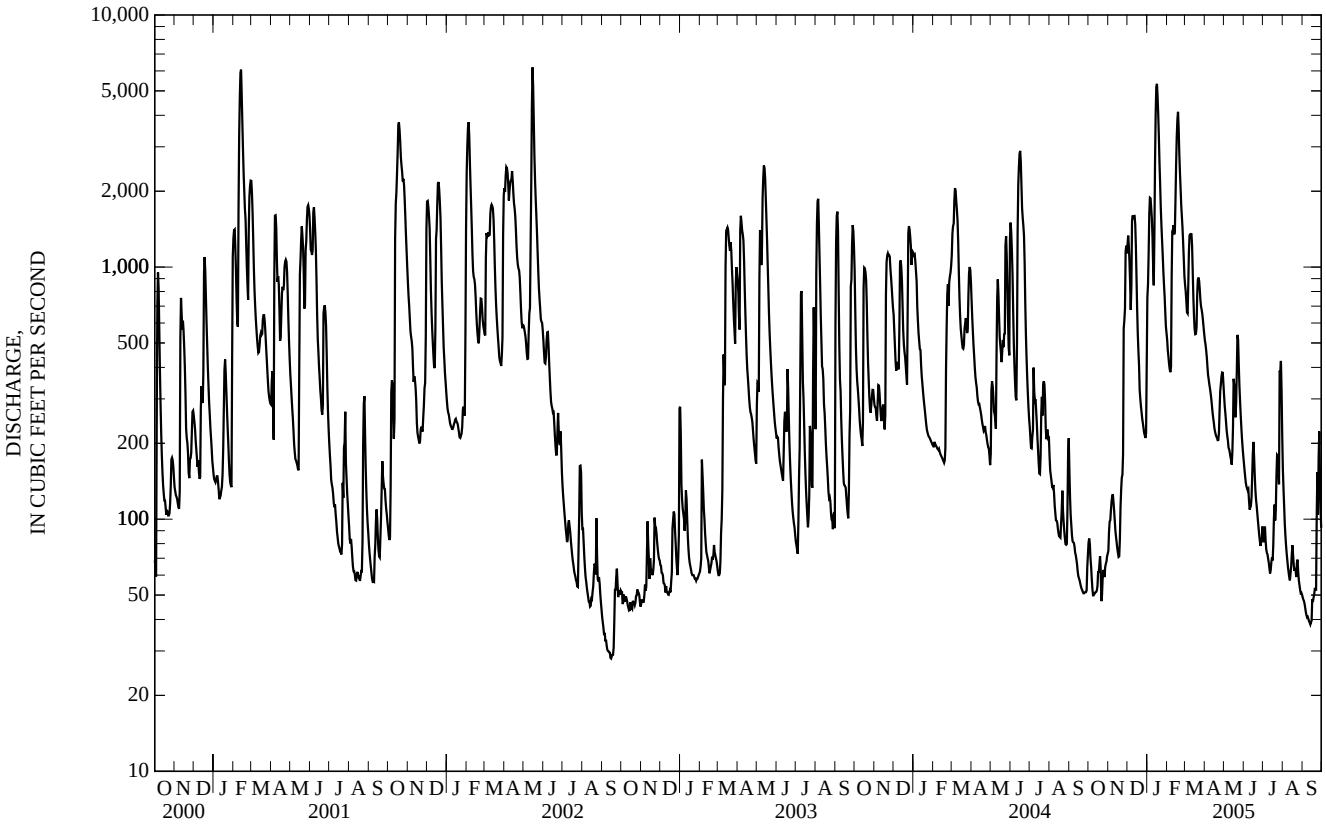
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2005, BY WATER YEAR (WY)

MEAN	202	371	585	667	863	1,171	1,042	648	425	235	155	143
MAX	1,537	1,756	2,085	2,545	2,302	3,512	3,102	2,499	1,864	1,045	921	671
(WY)	(2002)	(1993)	(1968)	(1950)	(1976)	(1982)	(1950)	(1956)	(1989)	(1951)	(1998)	(1997)
MIN	21.0	30.5	31.1	38.3	41.4	312	308	148	51.4	32.2	29.1	20.3
(WY)	(1964)	(1965)	(1964)	(1963)	(1963)	(1964)	(2004)	(1988)	(1988)	(1988)	(1967)	(1963)

04178000 ST. JOSEPH RIVER NEAR NEWVILLE, IN—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1947 - 2005	
ANNUAL TOTAL	164,882		194,878			
ANNUAL MEAN	450		534		539	
HIGHEST ANNUAL MEAN					1,008	1950
LOWEST ANNUAL MEAN					132	1964
HIGHEST DAILY MEAN	2,890	Jun 16	5,330	Jan 16	9,790	May 18, 1996
LOWEST DAILY MEAN	47	Oct 21	38	Sep 13	14	Sep 10, 1964
ANNUAL SEVEN-DAY MINIMUM	51	Oct 8	39	Sep 9	15	Sep 10, 1964
MAXIMUM PEAK FLOW			5,590	Jan 16	10,400	May 18, 1996
MAXIMUM PEAK STAGE			15.25	Jan 16	17.96	Mar 17, 1982
ANNUAL RUNOFF (CFSM)	0.739		0.875		0.884	
ANNUAL RUNOFF (INCHES)	10.06		11.88		12.01	
10 PERCENT EXCEEDS	1,210		1,400		1,470	
50 PERCENT EXCEEDS	236		206		238	
90 PERCENT EXCEEDS	65		54		50	

e Estimated



04179520 CEDAR CREEK AT 18TH STREET AT AUBURN, IN

LOCATION.--Lat 41°21'36", long 85°02'57", in NW¼SE¼ sec.32, T.34 N., R.13 E., Dekalb County, Hydrologic Unit 04100003, (AUBURN, IN quadrangle), on top of right upstream wingwall of the bridge on 18th Street, 0.3 mi east of downtown Auburn, 1.46 mi above John Diehl Ditch and at mile 20.94.

DRAINAGE AREA.--90.2 mi^2.

PERIOD OF RECORD.--September 2001 to current year.

GAGE.--Water-stage recorder. Datum of gage is 844.02 ft above National Geodetic Vertical Datum of 1929.

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	20	291	142	e53	152	66	37	24	12	35	8.2
2	9.4	22	207	183	e52	133	64	36	23	10	27	7.2
3	9.5	18	139	388	e50	118	59	34	23	9.5	22	5.9
4	9.7	38	101	603	e49	113	56	32	22	9.4	19	5.4
5	9.8	36	81	471	49	148	53	31	22	11	17	5.2
6	9.6	25	80	320	50	263	51	30	22	11	15	6.0
7	9.9	21	446	234	127	378	51	32	20	11	14	6.2
8	11	19	555	185	367	267	49	30	20	9.9	13	6.2
9	14	18	322	154	342	177	45	29	19	9.0	12	6.3
10	12	16	233	140	233	130	43	29	17	8.0	11	6.1
11	12	16	235	192	176	112	41	30	22	8.5	11	6.0
12	12	15	172	724	166	102	40	28	21	8.8	12	5.8
13	13	13	132	1,350	226	89	38	31	47	9.8	14	5.7
14	13	12	103	1,070	946	82	36	51	36	9.7	15	6.2
15	14	13	85	601	827	78	35	50	27	11	e12	7.4
16	14	15	74	405	801	78	33	45	23	29	e11	19
17	13	16	66	e289	560	83	33	39	20	42	e10	9.4
18	15	16	61	e217	384	86	33	35	19	25	8.4	7.7
19	14	37	e53	e165	293	153	32	56	18	20	8.0	7.6
20	14	35	e47	e133	248	219	33	88	17	18	8.5	8.5
21	14	28	e42	e108	416	150	31	60	16	26	9.0	7.7
22	14	25	e38	e90	373	121	37	51	15	45	9.2	9.4
23	17	22	e35	e83	299	108	48	46	14	23	8.6	28
24	22	82	e32	e78	265	96	49	40	13	17	8.3	16
25	17	168	e30	e73	216	91	51	36	13	16	7.9	24
26	15	100	e28	e73	179	94	51	32	16	38	7.6	56
27	15	278	e28	e67	159	89	52	30	14	334	7.1	29
28	14	411	e27	e63	148	84	47	28	14	231	7.2	21
29	14	223	e30	e60	---	76	44	27	13	127	10	36
30	19	151	33	e57	---	71	40	25	13	73	11	21
31	17	---	146	e55	---	71	---	25	---	48	9.7	---
TOTAL	417.9	1,909	3,952	8,773	8,054	4,012	1,341	1,173	603	1,260.6	390.5	394.1
MEAN	13.5	63.6	127	283	288	129	44.7	37.8	20.1	40.7	12.6	13.1
MAX	22	411	555	1,350	946	378	66	88	47	334	35	56
MIN	9.4	12	27	55	49	71	31	25	13	8.0	7.1	5.2
CFSM	0.15	0.70	1.41	3.12	3.17	1.43	0.49	0.42	0.22	0.45	0.14	0.14
IN.	0.17	0.78	1.62	3.60	3.31	1.65	0.55	0.48	0.25	0.52	0.16	0.16

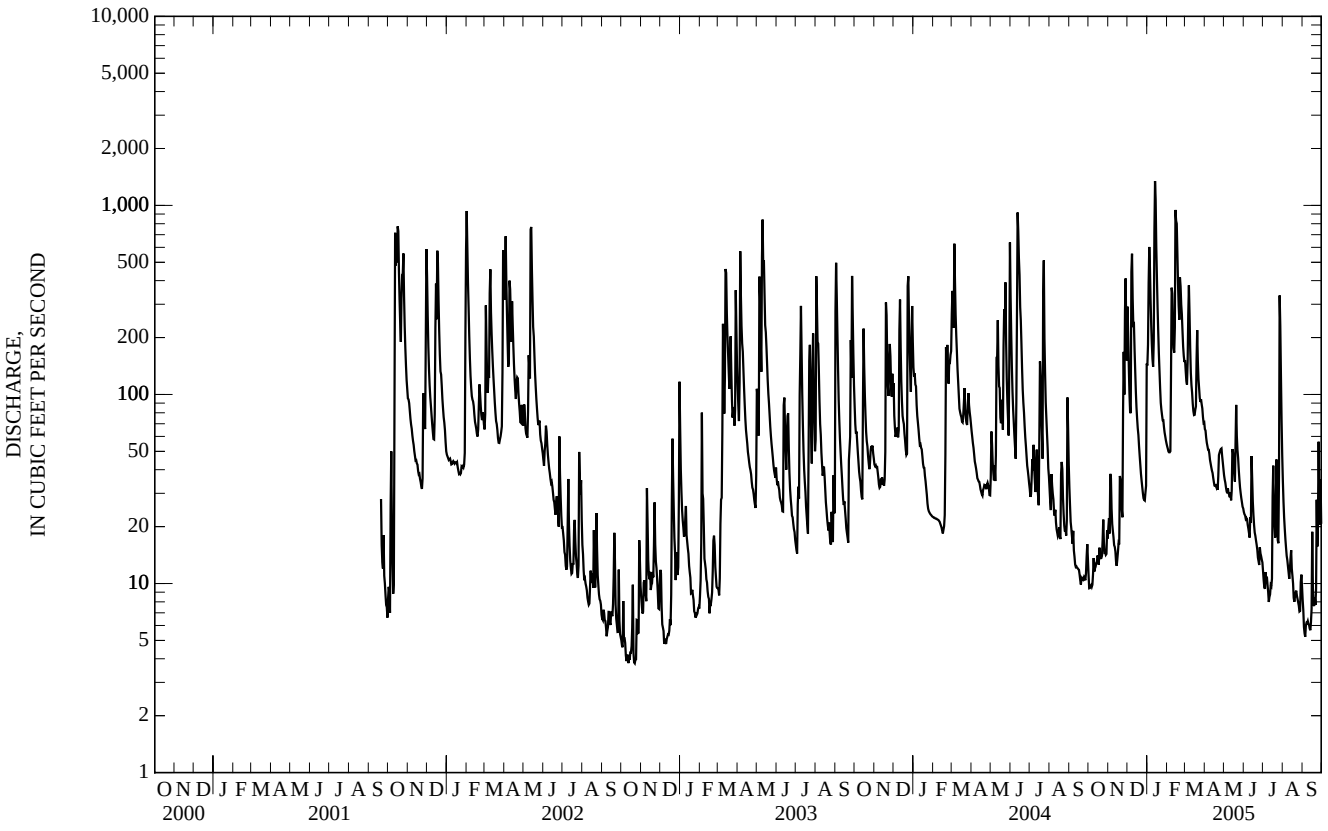
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2005, BY WATER YEAR (WY)

MEAN	85.3	60.1	112	105	130	144	95.1	128	70.6	55.6	30.3	37.7
MAX	260	84.7	168	283	288	160	200	185	186	84.8	68.2	116
(WY)	(2002)	(2004)	(2002)	(2005)	(2005)	(2002)	(2002)	(2003)	(2004)	(2004)	(2003)	(2003)
MIN	5.75	11.9	16.1	15.9	15.1	129	37.4	37.8	20.1	18.6	10.9	7.36
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2005)	(2004)	(2005)	(2005)	(2002)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2001 - 2005	
ANNUAL TOTAL	29,208.8		32,280.1			
ANNUAL MEAN	79.8		88.4		87.7	
HIGHEST ANNUAL MEAN					110	2002
LOWEST ANNUAL MEAN					65.9	2003
HIGHEST DAILY MEAN	917	Jun 12	1,350	Jan 13	1,350	Jan 13, 2005
LOWEST DAILY MEAN	9.4	Oct 2	5.2	Sep 5	3.8	Oct 12, 2002
ANNUAL SEVEN-DAY MINIMUM	9.8	Oct 1	5.9	Sep 3	4.0	Oct 8, 2002
MAXIMUM PEAK FLOW			1,450	Jan 13	1,450	Jan 13, 2005
MAXIMUM PEAK STAGE			9.34	Jan 13	9.34	Jan 13, 2005
ANNUAL RUNOFF (CFSM)	0.881		0.976		0.968	
ANNUAL RUNOFF (INCHES)	11.99		13.25		13.15	
10 PERCENT EXCEEDS	188		233		220	
50 PERCENT EXCEEDS	38		32		41	
90 PERCENT EXCEEDS	14		9.4		9.0	

e Estimated

04179520 CEDAR CREEK AT 18TH STREET AT AUBURN, IN—Continued



04180000 CEDAR CREEK NEAR CEDARVILLE, IN

LOCATION.--Lat 41°13'08", long 85°04'35", in NW¼NW¼ sec.19, T.32 N., R.13 E., Allen County, Hydrologic Unit 04100003, (CEDARVILLE, IN quadrangle), on left bank at downstream side of bridge on Tonkle Road, 3 mi northwest of Cedarville, 5.8 mi upstream from mouth, and 10 mi south of Auburn.

DRAINAGE AREA.--270 mi^2.

PERIOD OF RECORD.--October 1946 to current year.

REVISED RECORDS.--WSP 1912: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 780.09 ft above National Geodetic Vertical Datum of 1929. Prior to Nov. 4, 1947, nonrecording gage at same site and datum.

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	48	806	527	e140	394	243	138	77	38	101	32
2	36	69	826	486	e133	353	232	129	73	34	85	28
3	34	79	520	926	e131	301	217	122	74	31	72	25
4	33	78	380	1,980	e129	280	200	115	72	29	63	22
5	36	101	306	1,640	126	319	191	108	68	32	58	20
6	37	85	278	1,210	130	580	181	106	71	34	53	20
7	36	69	841	777	243	833	175	109	66	30	47	22
8	36	60	2,170	546	1,150	812	168	107	63	28	43	22
9	36	57	1,330	434	1,310	487	158	105	61	28	45	22
10	39	53	821	379	847	339	150	99	59	25	43	22
11	35	51	732	562	593	291	143	93	65	23	40	21
12	36	49	595	1,950	467	267	136	96	79	24	40	20
13	37	48	439	3,480	652	236	132	86	120	25	61	21
14	39	45	346	3,800	1,780	211	124	162	126	31	70	22
15	38	43	285	2,390	3,030	200	120	149	88	28	56	22
16	38	47	247	1,390	2,330	200	114	129	74	115	48	71
17	37	50	223	967	1,970	208	112	116	64	199	43	44
18	38	59	202	e700	1,270	214	112	106	61	99	40	32
19	58	90	184	e500	881	298	112	125	57	153	37	29
20	49	124	e165	e340	719	688	114	240	54	90	35	28
21	45	102	e150	e270	1,220	505	121	181	53	99	34	27
22	45	83	138	e230	1,470	401	121	147	51	163	31	27
23	44	74	e132	e220	1,030	358	192	137	46	108	31	57
24	53	126	e128	e200	844	330	195	121	44	65	30	47
25	54	596	e123	e190	657	314	196	109	42	56	29	38
26	51	437	e120	e180	502	364	187	100	39	65	28	120
27	47	561	e116	e170	419	353	205	95	50	545	28	78
28	45	1,390	e113	e160	375	322	178	91	43	555	25	54
29	45	874	e110	e155	---	290	161	88	42	303	24	70
30	45	532	107	e150	---	261	149	83	39	187	40	63
31	55	---	337	e144	---	258	---	79	---	132	39	---
TOTAL	1,296	6,080	13,270	27,053	24,548	11,267	4,839	3,671	1,921	3,374	1,419	1,126
MEAN	41.8	203	428	873	877	363	161	118	64.0	109	45.8	37.5
MAX	58	1,390	2,170	3,800	3,030	833	243	240	126	555	101	120
MIN	33	43	107	144	126	200	112	79	39	23	24	20
CFSM	0.15	0.75	1.59	3.23	3.25	1.35	0.60	0.44	0.24	0.40	0.17	0.14
IN.	0.18	0.84	1.83	3.73	3.38	1.55	0.67	0.51	0.26	0.46	0.20	0.16

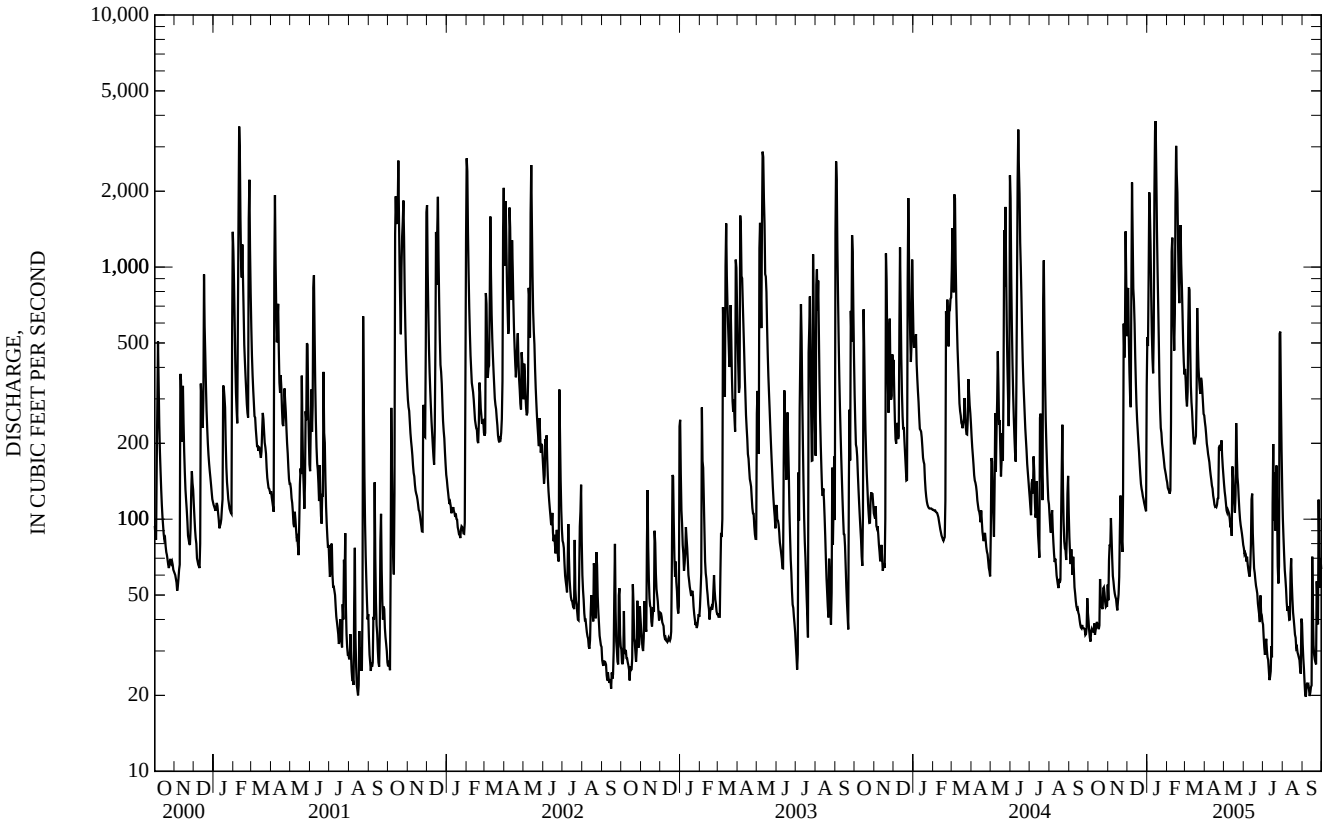
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2005, BY WATER YEAR (WY)

MEAN	121	182	284	321	406	502	459	293	219	124	87.1	92.1
MAX	814	936	908	1,393	1,290	1,724	1,130	947	1,046	515	331	532
(WY)	(2002)	(1993)	(1967)	(1950)	(1959)	(1982)	(1950)	(1956)	(1981)	(1986)	(1997)	(2003)
MIN	19.8	24.0	24.7	25.9	28.5	146	110	68.6	44.0	35.1	22.0	20.9
(WY)	(1965)	(1965)	(1964)	(1963)	(1963)	(1957)	(2004)	(1958)	(1988)	(1953)	(1964)	(1964)

04180000 CEDAR CREEK NEAR CEDARVILLE, IN—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1947 - 2005	
ANNUAL TOTAL	102,401		99,864			
ANNUAL MEAN	280		274		257	
HIGHEST ANNUAL MEAN					485	1950
LOWEST ANNUAL MEAN					85.3	1964
HIGHEST DAILY MEAN	3,510	Jun 13	3,800	Jan 14	5,220	Dec 31, 1990
LOWEST DAILY MEAN	33	Oct 4	20	Sep 5	13	Oct 3, 1949
ANNUAL SEVEN-DAY MINIMUM	35	Oct 2	21	Sep 5	18	Sep 27, 1949
MAXIMUM PEAK FLOW			3,970	Jan 14	5,580	Dec 30, 1990
MAXIMUM PEAK STAGE			10.29	Jan 14	13.38	Dec 30, 1990
ANNUAL RUNOFF (CFSM)	1.04		1.01		0.952	
ANNUAL RUNOFF (INCHES)	14.11		13.76		12.93	
10 PERCENT EXCEEDS	735		708		605	
50 PERCENT EXCEEDS	123		112		116	
90 PERCENT EXCEEDS	44		31		32	

e Estimated



04180500 ST. JOSEPH RIVER NEAR FORT WAYNE, IN

LOCATION.--Lat 41°10'38", long 85°03'21", in NW¼NE¼ sec.3, T.31 N., R.13 E., Allen County, Hydrologic Unit 04100003, (CEDARVILLE, IN quadrangle), on left bank 0.8 mi downstream from Ely Run, 1.3 mi upstream from Mayhew Road bridge, 8.0 mi northeast of the Fort Wayne Court House, and at mile 10.71.

DRAINAGE AREA.--1,060 mi^2.

PERIOD OF RECORD.--October 1983 to current year. July 1941 to September 1955 gage located 1.3 mi downstream at Ely Bridge.

GAGE.--Water-stage recorder. Datum of gage is 754.00 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana).

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by Cedarville Reservoir and some flow diverted into storage of Hurshtown Reservoir.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	187	138	2,330	1,880	e720	1,330	916	551	183	157	258	153
2	198	158	2,880	1,760	e660	1,220	841	490	202	129	260	180
3	197	193	2,170	2,680	e620	1,120	817	487	222	118	263	170
4	204	248	1,800	4,870	e580	963	695	443	180	109	248	109
5	207	251	1,470	4,600	e550	1,010	722	404	171	111	215	75
6	194	238	1,240	4,110	531	1,620	687	409	186	117	189	68
7	125	231	2,380	3,280	789	2,100	649	405	157	134	159	73
8	163	223	4,820	2,700	2,970	2,320	593	394	179	73	208	77
9	209	220	3,700	2,400	3,650	1,990	548	373	150	68	121	82
10	141	220	3,000	1,970	2,850	1,810	556	353	165	89	94	85
11	130	191	2,980	1,920	2,300	1,790	570	356	154	110	117	84
12	140	186	2,800	5,290	2,270	1,770	492	351	163	85	126	81
13	151	164	2,440	7,700	2,660	1,390	473	345	226	66	151	77
14	110	153	2,180	8,950	4,880	1,020	465	509	285	82	163	79
15	125	154	1,650	7,870	6,980	871	455	425	211	111	196	86
16	136	158	1,120	6,800	6,530	835	440	426	238	198	171	185
17	109	161	1,030	e6,000	6,320	759	428	571	216	478	142	108
18	115	168	834	e5,000	5,740	738	405	570	219	118	175	88
19	129	241	719	e4,000	5,160	830	384	558	188	231	165	108
20	131	338	e660	e3,200	4,970	1,540	399	600	154	240	107	129
21	129	296	e600	e2,600	5,140	1,630	422	555	146	216	139	82
22	124	262	553	e2,200	5,280	1,520	414	642	128	580	122	95
23	124	240	e540	e1,900	4,000	1,450	490	855	142	320	121	146
24	175	486	e520	e1,700	3,100	1,410	542	713	144	215	147	195
25	168	2,040	e490	e1,500	2,650	1,310	577	522	141	224	105	267
26	126	1,510	e480	e1,300	2,140	1,310	618	448	98	235	126	427
27	127	1,480	e470	e1,140	1,710	1,260	701	418	104	1,430	165	267
28	128	3,410	e450	e1,000	1,530	1,120	676	343	118	1,390	120	434
29	133	2,670	e440	e920	---	1,130	646	293	92	716	99	248
30	169	2,170	e430	e840	---	930	624	284	134	632	92	223
31	155	---	975	e780	---	919	---	243	---	526	127	---
TOTAL	4,659	18,598	48,151	102,860	87,280	41,015	17,245	14,336	5,096	9,308	4,891	4,481
MEAN	150	620	1,553	3,318	3,117	1,323	575	462	170	300	158	149
MAX	209	3,410	4,820	8,950	6,980	2,320	916	855	285	1,430	263	434
MIN	109	138	430	780	531	738	384	243	92	66	92	68
CFSM	0.14	0.58	1.47	3.13	2.94	1.25	0.54	0.44	0.16	0.28	0.15	0.14
IN.	0.16	0.65	1.69	3.61	3.06	1.44	0.61	0.50	0.18	0.33	0.17	0.16

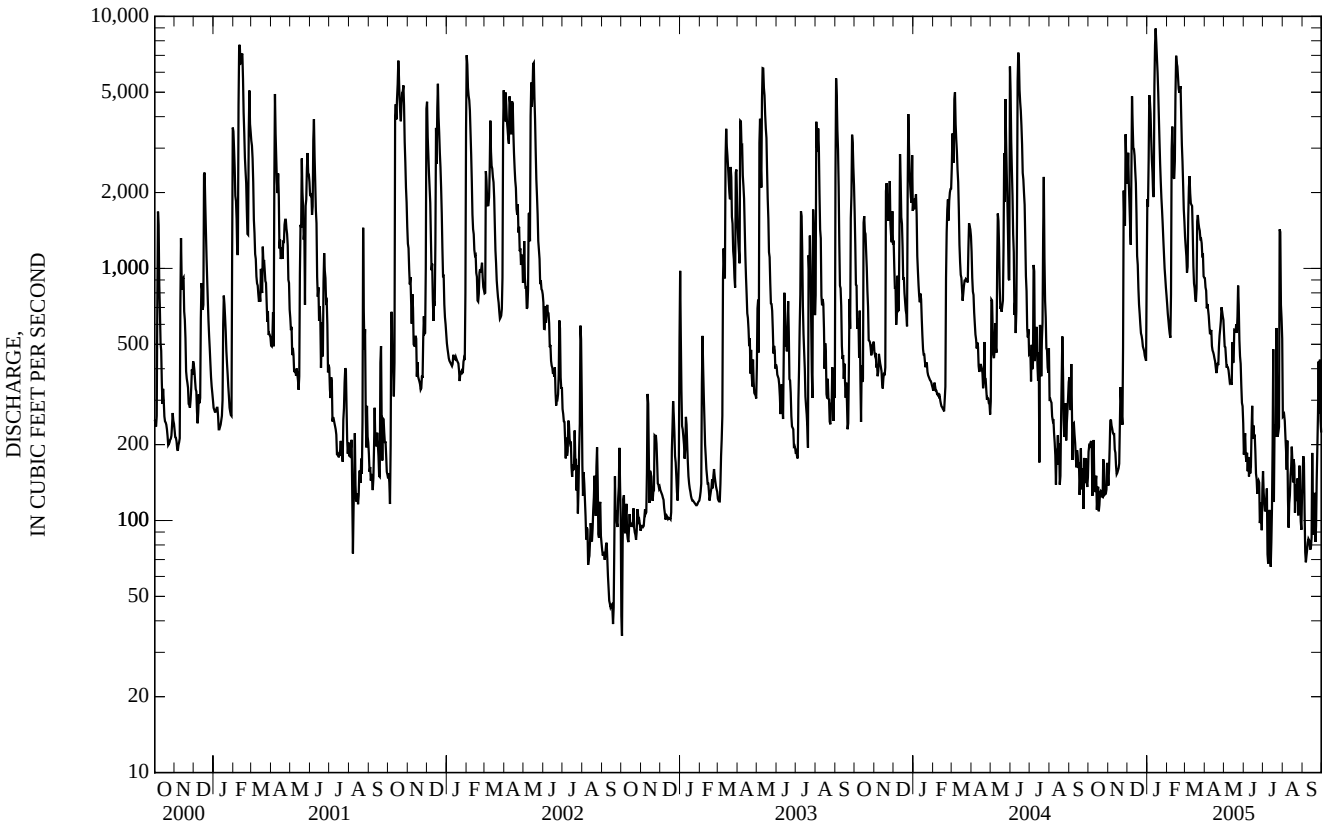
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2005, BY WATER YEAR (WY)

MEAN	575	891	1,168	1,381	1,668	1,823	1,708	1,171	995	464	376	391
MAX	2,797	3,330	2,421	4,615	3,728	3,612	3,071	3,675	2,915	1,413	1,157	1,517
(WY)	(2002)	(1993)	(1991)	(1993)	(2001)	(1985)	(1999)	(1996)	(1989)	(1986)	(1998)	(2003)
MIN	78.6	98.8	155	145	183	689	477	272	153	122	111	81.5
(WY)	(1995)	(2000)	(2003)	(2000)	(2003)	(2000)	(2004)	(1988)	(1988)	(1988)	(2002)	(1994)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1984 - 2005	
ANNUAL TOTAL	337,576		357,920			
ANNUAL MEAN	922		981		1,047	
HIGHEST ANNUAL MEAN					1,532	1993
LOWEST ANNUAL MEAN					642	1995
HIGHEST DAILY MEAN	7,180	Jun 13	8,950	Jan 14	13,100	Feb 26, 1985
LOWEST DAILY MEAN	109	Oct 17	66	Jul 13	35	Oct 2, 2002
ANNUAL SEVEN-DAY MINIMUM	122	Oct 14	78	Sep 5	45	Sep 13, 2002
MAXIMUM PEAK FLOW			9,050	Jan 14	13,400	Jan 5, 1993
MAXIMUM PEAK STAGE			14.42	Jan 14	18.40	Jan 5, 1993
ANNUAL RUNOFF (CFSM)	0.870		0.925		0.988	
ANNUAL RUNOFF (INCHES)	11.85		12.56		13.42	
10 PERCENT EXCEEDS	2,380		2,670		2,670	
50 PERCENT EXCEEDS	456		409		500	
90 PERCENT EXCEEDS	158		111		139	

e Estimated

04180500 ST. JOSEPH RIVER NEAR FORT WAYNE, IN—Continued



04181500 ST. MARYS RIVER AT DECATUR, IN

LOCATION.--Lat 40°50'53", long 84°56'16", in SW¼SW¼ sec.27, T.28 N., R.14 E., Adams County, Hydrologic Unit 04100004, (DECATUR, IN quadrangle), on left downstream side of bridge on U.S. Highway 27, 0.5 mi upstream from Holthouse Ditch, 1.3 mi north of Decatur, and at mile 29.1.

DRAINAGE AREA.--621 mi^2.

PERIOD OF RECORD.--October 1946 to current year. Monthly discharge only for some periods, published in WSP 1307. Gage-height records collected at site 0.5 mi upstream January 1932 to November 1954, and at present site thereafter are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1174: 1948. WSP 1337: 1947. WSP 1627: 1950. WSP 1912: 1955, drainage area.

GAGE.--Water-stage recorder. Datum of gage is 760.44 ft above National Geodetic Vertical Datum of 1929. Prior to July 27, 1948, nonrecording gage at same site and datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by Grand Lake. Slight diversion from or into Wabash River Basin and into Miami and Erie Canal.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69	136	2,180	1,990	e146	306	493	1,150	114	343	51	40
2	65	232	1,840	1,630	e140	259	493	857	109	181	41	38
3	65	1,030	1,130	2,710	e137	238	709	634	106	117	34	94
4	62	866	962	5,290	e134	234	509	470	105	114	30	111
5	59	970	815	6,830	e132	512	478	355	104	114	29	80
6	56	723	619	7,520	e130	1,500	495	285	104	88	28	52
7	54	619	1,170	7,110	450	1,050	521	244	102	64	28	38
8	53	491	2,660	6,260	2,890	750	496	212	99	50	27	32
9	52	330	1,740	5,490	3,950	640	394	190	108	41	27	28
10	50	226	1,410	4,680	3,170	653	309	182	104	36	31	26
11	48	184	2,380	4,410	2,720	625	256	180	105	34	29	26
12	45	150	1,950	7,620	2,760	519	220	181	106	32	27	29
13	50	124	1,260	10,100	2,790	392	199	157	431	31	29	43
14	54	106	933	10,700	3,490	302	176	173	444	33	30	40
15	69	95	666	9,690	3,900	253	158	186	207	36	29	36
16	86	94	460	7,760	3,140	226	148	160	159	41	30	47
17	85	103	326	5,530	2,450	209	142	144	140	48	29	49
18	79	165	251	3,600	1,460	197	135	140	128	58	30	43
19	654	547	212	2,070	1,120	195	127	158	118	56	31	111
20	471	867	e125	1,060	954	242	125	216	109	55	31	145
21	279	646	e120	660	1,250	239	243	205	101	38	31	110
22	207	598	e115	e530	1,110	210	321	180	96	33	30	70
23	165	591	e110	e400	745	205	2,480	217	91	31	29	51
24	292	924	e107	e330	586	211	3,820	223	84	31	29	39
25	306	2,830	e103	e290	508	235	3,240	198	78	30	28	43
26	268	2,480	e101	e240	439	815	2,770	176	74	34	27	309
27	233	1,620	e100	e210	365	713	3,210	163	75	62	29	609
28	199	2,190	e98	e190	319	570	3,010	151	110	40	29	386
29	168	2,060	e100	e175	---	569	2,180	138	222	33	29	440
30	173	1,770	e110	e160	---	589	1,490	128	585	35	30	720
31	195	---	1,590	e152	---	582	---	120	---	50	36	---
TOTAL	4,711	23,767	25,743	115,387	41,385	14,240	29,347	8,173	4,518	1,989	948	3,885
MEAN	152	792	830	3,722	1,478	459	978	264	151	64.2	30.6	130
MAX	654	2,830	2,660	10,700	3,950	1,500	3,820	1,150	585	343	51	720
MIN	45	94	98	152	130	195	125	120	74	30	27	26
CFSM	0.24	1.28	1.34	5.99	2.38	0.74	1.58	0.42	0.24	0.10	0.05	0.21
IN.	0.28	1.42	1.54	6.91	2.48	0.85	1.76	0.49	0.27	0.12	0.06	0.23

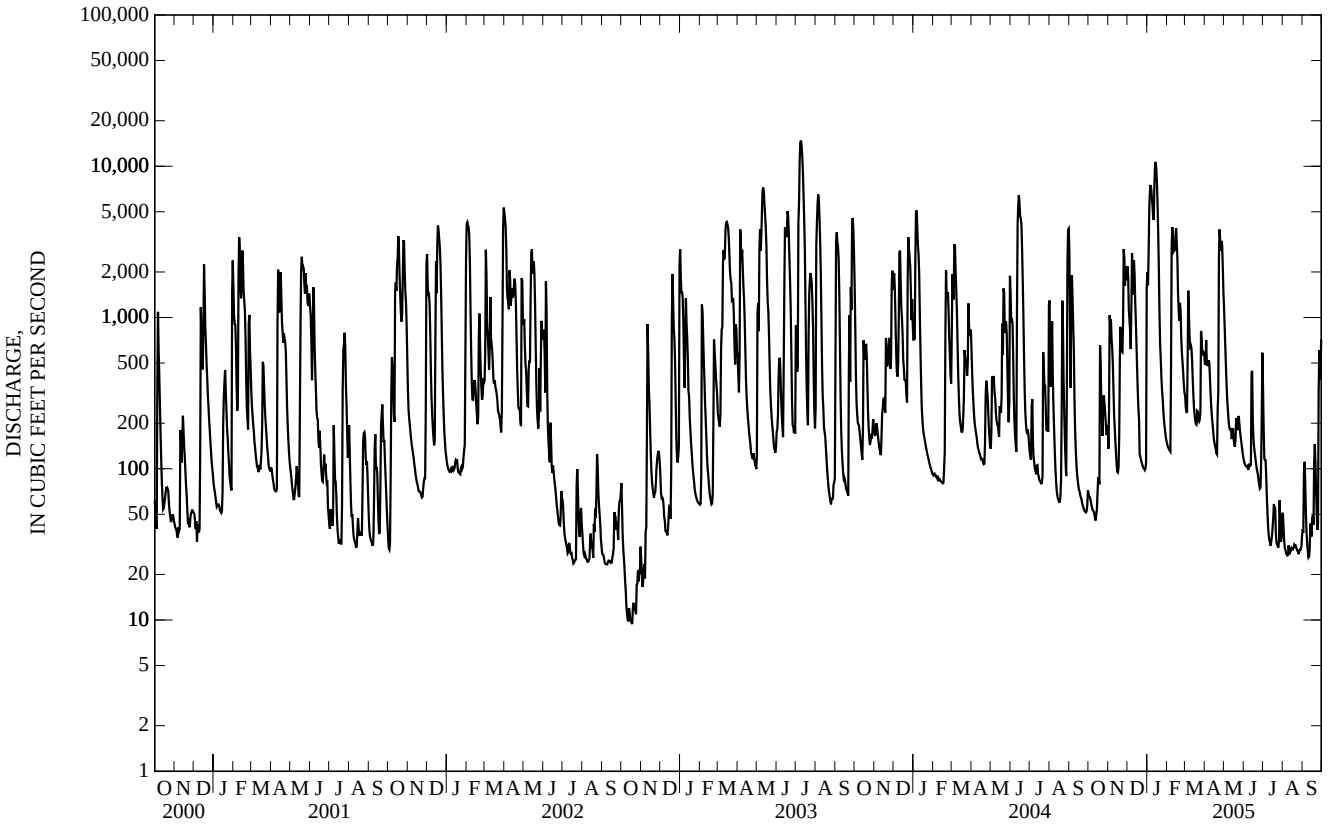
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2005, BY WATER YEAR (WY)

MEAN	143	311	575	772	875	1,072	940	522	478	370	164	131
MAX	1,250	1,988	2,079	3,834	2,546	3,263	3,409	2,140	2,075	3,760	1,263	1,301
(WY)	(2002)	(1993)	(1991)	(1950)	(1950)	(1978)	(1957)	(2003)	(1981)	(2003)	(2003)	(2003)
MIN	7.52	13.7	12.8	21.0	30.5	125	79.3	55.6	28.1	20.6	15.5	12.6
(WY)	(1964)	(1965)	(1964)	(1961)	(1964)	(1981)	(1966)	(1988)	(1988)	(1965)	(1963)	(1963)

04181500 ST. MARYS RIVER AT DECATUR, IN—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1947 - 2005	
ANNUAL TOTAL	233,067		274,093			
ANNUAL MEAN	637		751		524	
HIGHEST ANNUAL MEAN					1,151	2003
LOWEST ANNUAL MEAN					140	1966
HIGHEST DAILY MEAN	6,450	Jun 14	10,700	Jan 14	14,800	Jul 9, 2003
LOWEST DAILY MEAN	45	Oct 12	26	Sep 10	5.4	Oct 18, 1960
ANNUAL SEVEN-DAY MINIMUM	50	Oct 7	28	Aug 6	6.2	Oct 12, 1963
MAXIMUM PEAK FLOW			10,800	Jan 14	15,000	Jul 9, 2003
MAXIMUM PEAK STAGE			24.20	Jan 14	26.92	Jul 9, 2003
ANNUAL RUNOFF (CFSM)	1.03		1.21		0.844	
ANNUAL RUNOFF (INCHES)	13.96		16.42		11.47	
10 PERCENT EXCEEDS	1,780		2,270		1,520	
50 PERCENT EXCEEDS	218		182		134	
90 PERCENT EXCEEDS	73		32		24	

e Estimated



04182000 ST. MARYS RIVER NEAR FORT WAYNE, IN

LOCATION.--Lat 40°59'16", long 85°06'43", in NE¼NE¼ sec.12, T.29 N., R.12 E., Allen County, Hydrologic Unit 04100004, (POE, IN quadrangle), on left bank 130 ft downstream from Anthony Boulevard Extension, 0.8 mi downstream from Houk Ditch, 5 mi south of Fort Wayne, and 10.8 mi upstream from mouth.

DRAINAGE AREA.--762 mi^2.

PERIOD OF RECORD.--October 1930 to current year. Monthly discharge only for some periods, published in WSP 1307. Fragmentary gage-height records for period November 1924 to October 1927 are available from the District Office. Period of record computations do not include 1934 water year.

REVISED RECORDS.--WSP 974: 1942. WSP 1337: 1933, 1947. WSP 1912: 1954, 1955, 1960, drainage area. WDR IN- 82-1: 1973, 1974, 1978, 1979.

GAGE.--Water-stage recorder. Datum of gage is 748.97 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources). Prior to Apr. 13, 1939, nonrecording gage on upstream highway bridge at same datum.

REMARKS.--Records good except those for Jan. 19 to Mar. 10 and estimated daily discharges, which are poor. The flow is sometimes regulated by Grand Lake. Slight diversion from or into Wabash River Basin and into Miami and Erie Canal. During extreme floods, some water bypasses gage and flows through Houk Ditch and Paul Trier Ditch into the Maumee River.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	81	241	2,640	2,730	e190	408	643	1,490	124	561	e65	45
2	77	182	2,540	2,270	e184	367	552	1,140	116	334	e68	54
3	70	821	1,570	3,280	e178	311	793	848	112	215	58	61
4	69	998	1,180	5,130	e173	296	699	638	109	160	48	151
5	66	1,120	1,040	6,550	e167	421	568	489	108	163	41	153
6	62	920	855	7,820	e158	1,740	572	386	132	150	38	109
7	57	766	1,590	8,020	e520	1,500	602	327	120	117	35	75
8	53	658	3,250	7,480	e3,200	1,030	608	283	108	90	34	55
9	52	498	2,670	6,570	4,630	787	522	247	103	69	34	44
10	51	355	1,680	5,710	4,380	757	411	224	117	55	33	38
11	47	273	2,800	5,370	3,420	758	330	214	112	46	41	35
12	45	229	2,660	7,610	3,200	677	275	229	114	43	38	34
13	44	187	1,730	10,700	3,520	535	241	212	437	42	40	38
14	47	155	1,210	12,000	4,800	408	213	220	744	46	53	65
15	55	133	902	11,500	5,170	335	183	268	380	50	49	62
16	80	123	655	10,300	4,910	292	161	231	227	52	39	68
17	107	128	478	e8,400	3,810	265	153	188	176	61	37	75
18	108	183	365	e6,000	2,170	247	142	165	150	69	36	75
19	330	686	308	e3,500	1,440	245	135	180	133	91	37	76
20	740	1,200	e140	1,570	1,230	312	131	251	119	86	38	194
21	429	933	e135	985	1,900	333	180	285	105	79	39	206
22	316	759	e130	e700	1,670	289	340	240	94	55	40	154
23	245	744	e126	e560	1,100	262	1,890	241	84	45	39	111
24	242	1,100	e121	e460	804	261	4,020	273	75	41	37	82
25	414	3,300	e118	e370	675	275	4,160	258	69	40	35	70
26	350	3,370	e116	e320	580	774	3,430	226	65	43	34	227
27	325	2,300	e114	e280	496	1,050	3,600	202	60	155	33	684
28	283	2,650	e113	e250	427	759	3,670	187	61	120	33	581
29	244	2,610	e117	e220	---	697	2,970	169	154	68	35	505
30	224	2,240	e130	e210	---	694	1,970	151	448	49	35	676
31	265	---	1,560	e200	---	713	---	137	---	46	37	---
TOTAL	5,578	29,862	33,043	137,065	55,102	17,798	34,164	10,599	4,956	3,241	1,259	4,803
MEAN	180	995	1,066	4,421	1,968	574	1,139	342	165	105	40.6	160
MAX	740	3,370	3,250	12,000	5,170	1,740	4,160	1,490	744	561	68	684
MIN	44	123	113	200	158	245	131	137	60	40	33	34
CFSM	0.24	1.31	1.40	5.80	2.58	0.75	1.49	0.45	0.22	0.14	0.05	0.21
IN.	0.27	1.46	1.61	6.69	2.69	0.87	1.67	0.52	0.24	0.16	0.06	0.23

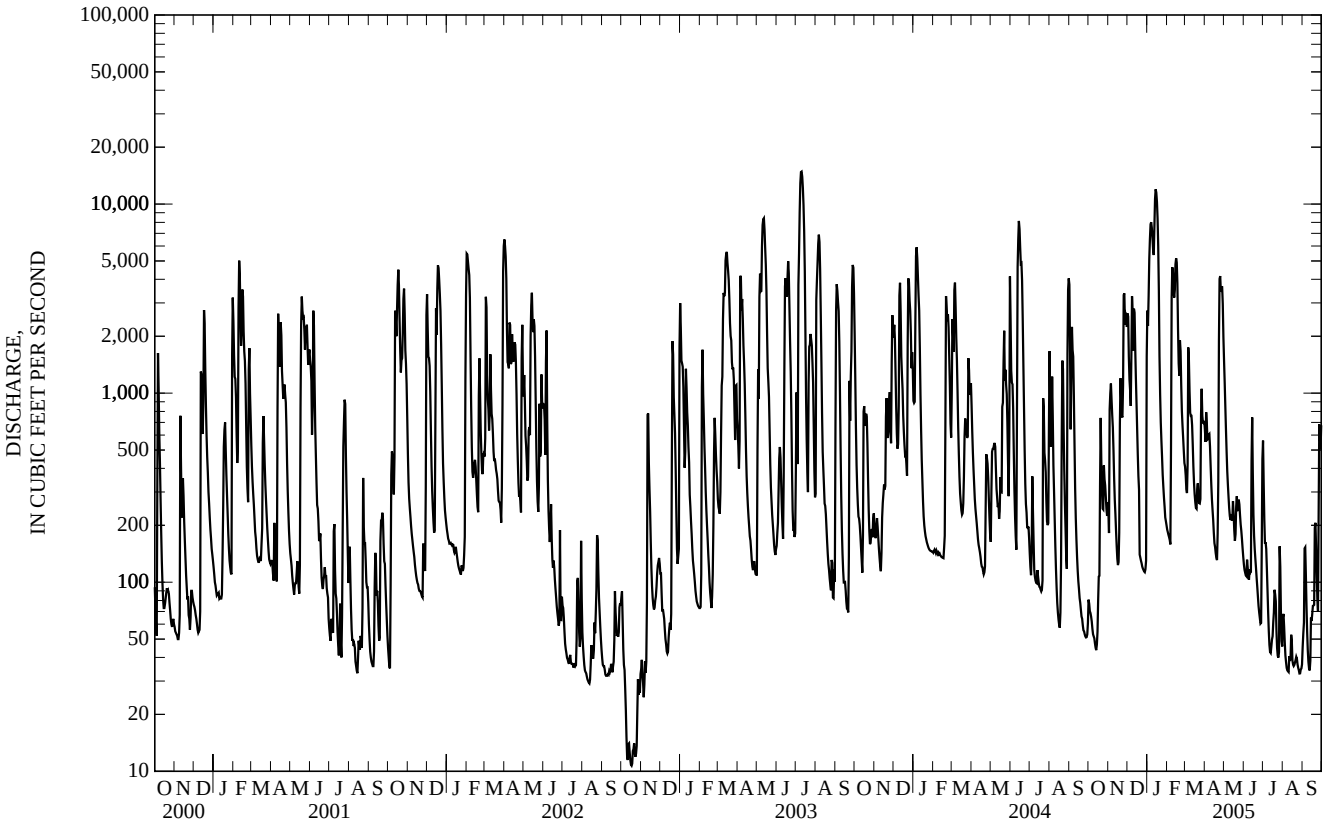
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2005, BY WATER YEAR (WY)

MEAN	168	334	643	908	1,038	1,303	1,136	671	553	392	182	138
MAX	1,595	2,612	2,349	4,897	3,404	4,070	4,119	3,866	2,545	4,174	1,440	1,453
(WY)	(2002)	(1973)	(1978)	(1950)	(1959)	(1978)	(1957)	(1943)	(1981)	(2003)	(2003)	(1992)
MIN	8.28	16.9	16.7	21.3	45.4	87.0	90.7	59.9	34.3	11.9	13.9	11.6
(WY)	(1964)	(1965)	(1964)	(1977)	(1964)	(1941)	(1946)	(1931)	(1988)	(1936)	(1932)	(1944)

04182000 ST. MARYS RIVER NEAR FORT WAYNE, IN—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1931 - 2005	
ANNUAL TOTAL	300,712		337,470			
ANNUAL MEAN	822		925		631	
HIGHEST ANNUAL MEAN					1,295	2003
LOWEST ANNUAL MEAN					174	1966
HIGHEST DAILY MEAN	8,140	Jun 14	12,000	Jan 14	14,800	Jul 9, 2003
LOWEST DAILY MEAN	44	Oct 13	33	Aug 10	3.4	Oct 19, 1934
ANNUAL SEVEN-DAY MINIMUM	48	Oct 8	35	Aug 24	4.9	Oct 15, 1934
MAXIMUM PEAK FLOW			12,100	Jan 14	16,000	Jul 9, 2003
MAXIMUM PEAK STAGE			19.06	Jan 14	21.20	Jul 9, 2003
ANNUAL RUNOFF (CFSM)	1.08		1.21		0.828	
ANNUAL RUNOFF (INCHES)	14.68		16.47		11.24	
10 PERCENT EXCEEDS	2,450		2,870		1,820	
50 PERCENT EXCEEDS	300		240		155	
90 PERCENT EXCEEDS	87		45		25	

e Estimated



04182900 MAUMEE RIVER AT FORT WAYNE, IN

LOCATION.--Lat 41°04'57", long 85°06'55", in SE¼NE¼ sec. 1, T.30 N., R.12 E., Allen County, Hydrologic Unit 04100005, (FORT WAYNE EAST, IN quadrangle), on left bank at downstream side of Hosey Dam, 250 ft upstream of Anthony Boulevard, 1.2 mi below confluence of St. Joseph and St. Mary's Rivers and 1.5 mi upstream of Highway 930.

DRAINAGE AREA.--1,926 mi^2.

PERIOD OF RECORD.--October 1997 to current year.

GAGE.--Water-stage recorder. Datum of gage 730.07 ft above National Geodetic Vertical Datum of 1929. Prior to December 12, 1962, nonrecording gage on downstream side of bridge at same datum. Dec. 12, 1962 to Aug. 13, 1997 water-stage recorder at site 310 ft downstream at same datum.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 21.24 ft, July 10, 2003; minimum gage height, 0.75 ft, Sept. 29, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 22.41 ft, Jan. 14; minimum gage height, 0.84 ft, June 20.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.54	1.70	10.45	9.00	2.75	5.09	4.14	4.26	1.59	2.02	1.21	1.01
2	1.57	1.74	9.47	8.71	2.84	4.63	3.96	3.53	1.63	1.61	1.73	1.10
3	1.51	2.83	7.41	14.66	2.59	4.47	4.50	2.93	1.54	1.47	1.66	1.30
4	0.86	3.11	6.43	15.77	2.57	4.07	3.69	2.45	1.55	1.36	1.47	1.60
5	0.89	3.32	5.99	16.86	2.60	5.33	3.77	2.18	1.52	1.47	1.29	1.36
6	1.01	2.84	5.29	16.73	2.61	8.12	3.65	2.00	1.69	1.42	1.68	1.25
7	1.11	2.63	12.99	16.20	6.82	7.87	3.71	1.83	1.37	1.50	1.15	1.11
8	1.09	2.27	13.52	14.88	13.95	7.23	3.46	1.79	1.56	1.39	2.15	1.02
9	1.72	1.96	10.56	13.78	13.61	6.51	3.26	1.66	1.37	1.13	1.28	0.96
10	1.32	1.85	9.20	12.61	11.80	6.32	3.02	1.65	1.47	1.08	1.14	0.92
11	1.20	1.55	10.88	14.12	9.72	6.38	2.88	1.67	1.52	1.16	1.17	0.91
12	1.17	1.59	9.67	19.46	10.34	6.08	2.50	1.67	1.67	0.89	1.99	0.89
13	1.78	1.54	7.93	21.76	11.80	5.05	2.46	2.57	2.32	0.94	2.47	0.90
14	1.07	1.48	6.92	22.41	16.73	4.19	2.05	2.57	2.86	1.03	1.33	1.03
15	1.05	1.47	5.85	21.51	17.06	3.91	1.74	1.93	1.86	1.00	---	1.45
16	2.60	1.48	4.42	20.11	16.68	3.77	1.75	1.46	1.70	3.02	---	1.63
17	1.31	1.53	4.22	18.21	15.05	3.96	1.71	1.81	1.61	2.58	---	1.11
18	1.42	1.62	3.61	15.45	12.53	3.50	1.68	1.92	1.56	1.79	---	1.09
19	2.52	3.15	3.07	12.24	11.27	4.09	1.51	2.29	1.50	1.97	---	1.12
20	2.72	3.71	1.94	9.23	11.41	4.92	1.67	2.12	0.88	1.92	---	1.71
21	2.12	2.90	2.61	6.87	13.07	4.81	1.71	1.86	1.51	1.93	---	1.44
22	1.66	3.23	2.83	5.91	11.72	4.49	2.11	2.25	1.20	2.74	---	1.36
23	1.62	3.17	2.31	4.97	9.25	4.45	7.68	2.73	1.36	1.74	---	1.32
24	1.71	8.34	2.12	4.69	7.71	4.32	9.15	2.25	1.33	1.66	---	1.75
25	1.84	10.21	2.33	4.91	7.24	4.63	8.88	1.93	1.54	1.66	---	3.57
26	1.69	9.14	2.36	4.44	6.21	5.94	8.28	1.72	1.11	3.20	---	2.07
27	1.66	8.99	2.20	3.64	5.52	5.41	8.65	1.74	1.00	5.69	---	3.24
28	1.65	11.44	2.15	3.36	5.44	4.84	8.49	1.69	1.90	2.65	---	3.38
29	1.69	9.59	2.18	3.49	---	4.84	7.12	1.52	1.34	2.47	---	2.43
30	1.68	8.74	2.60	3.28	---	4.30	5.27	1.57	1.64	2.41	1.10	3.36
31	1.64	---	8.73	3.14	---	4.54	---	1.59	---	2.18	1.01	---
TOTAL	48.42	119.12	182.24	362.40	260.89	158.06	124.45	65.14	46.70	59.08	---	47.39
MEAN	1.56	3.97	5.88	11.69	9.32	5.10	4.15	2.10	1.56	1.91	---	1.58
MAX	2.72	11.44	13.52	22.41	17.06	8.12	9.15	4.26	2.86	5.69	---	3.57
MIN	0.86	1.47	1.94	3.14	2.57	3.50	1.51	1.46	0.88	0.89	---	0.89

04182950 MAUMEE RIVER AT COLISEUM BLVD AT FORT WAYNE, IN

LOCATION.--Lat 41°04'47", long 85°05'15", in NW¼SW¼SE¼ sec. 5, T.30 N., R.13 E., Allen County, Hydrologic Unit 04100003, (FORT WAYNE EAST, IN quadrangle), on left bank and downstream side of Coliseum Blvd bridge, 0.4 mi north of intersection of State Road 14 and Coliseum Blvd, 1.5 mi downstream of Anthony Blvd, 2.7 mi below confluence of St. Joseph and St. Marys Rivers, and at mile 133.4.

DRAINAGE AREA.--1,930 mi^2.

PERIOD OF RECORD.--November 28, 2003 to current year.

GAGE.--Water-stage recorder. Datum of gage is 728.19 ft. above National Geodetic Vertical Datum of 1929. (Prior to October 2004, erroneously published as 728.50 ft.)

REMARKS.--Records good except those for Oct. 1-6 and estimated daily discharges, which are poor. Flow regulated by power-plant on the St. Joseph River 5.9 mi upstream from station. Flow slightly regulated by upstream reservoirs.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	149	453	5,030	4,770	e740	2,040	1,590	2,140	416	810	e462	120
2	184	502	5,840	4,370	e700	1,850	1,420	1,690	397	599	276	127
3	171	628	4,080	6,800	e660	1,670	1,530	1,410	418	456	348	148
4	133	1,360	3,130	11,100	e640	1,580	1,500	1,200	473	353	261	250
5	83	1,350	2,550	12,400	e620	1,600	1,280	988	277	340	e351	277
6	89	1,290	2,350	13,100	e640	3,260	1,280	861	418	296	e210	e220
7	120	1,080	4,310	12,500	1,520	3,880	1,260	789	449	285	e220	e176
8	105	961	8,900	11,700	6,200	3,700	1,260	722	285	341	e170	130
9	126	822	7,610	10,100	9,400	3,040	1,120	659	402	178	e367	114
10	170	672	4,980	8,690	8,450	2,750	1,020	597	261	126	136	100
11	138	547	5,690	8,400	6,450	2,690	947	576	372	128	127	95
12	114	477	5,860	13,400	5,460	2,690	833	574	362	149	218	92
13	144	419	4,490	17,800	6,410	2,290	735	640	804	121	478	93
14	184	354	3,490	20,200	10,400	1,750	888	1,090	1,090	114	457	99
15	105	316	2,730	20,100	13,200	1,480	712	997	925	e109	178	131
16	239	310	2,070	18,300	13,200	1,370	639	651	582	649	232	312
17	259	329	1,470	16,200	12,100	1,330	610	561	590	884	e196	e320
18	306	404	1,340	13,300	9,360	1,330	592	781	432	510	125	134
19	297	884	e1,100	9,740	7,200	1,300	545	811	460	479	226	135
20	904	1,620	e760	6,220	6,610	1,760	546	991	249	489	195	255
21	656	1,420	e600	4,000	8,000	1,900	612	807	113	369	114	347
22	754	1,000	e800	2,760	8,170	1,840	729	890	270	857	209	238
23	488	1,020	e700	e2,000	5,880	1,660	1,780	1,000	155	526	109	458
24	518	1,910	e620	e1,500	4,330	1,750	4,380	1,090	244	327	123	278
25	570	5,570	e600	e1,300	3,580	1,620	4,870	860	190	325	179	403
26	572	5,330	e580	e1,200	3,030	2,020	4,270	740	263	363	109	e1,400
27	499	4,230	e570	e1,100	2,510	2,420	4,350	647	112	e1,710	113	766
28	458	6,140	e560	e1,000	2,200	2,030	4,460	666	610	e1,780	164	e1,000
29	431	5,860	e560	e900	---	1,790	3,900	576	355	953	130	e900
30	478	4,680	e600	e840	---	1,680	2,800	492	334	729	131	e880
31	450	---	2,190	e780	---	1,630	---	537	---	e682	132	---
TOTAL	9,894	51,938	86,160	256,570	157,660	63,700	52,458	27,033	12,308	16,037	6,746	9,998
MEAN	319	1,731	2,779	8,276	5,631	2,055	1,749	872	410	517	218	333
MAX	904	6,140	8,900	20,200	13,200	3,880	4,870	2,140	1,090	1,780	478	1,400
MIN	83	310	560	780	620	1,300	545	492	112	109	109	92
CFSM	0.17	0.90	1.44	4.29	2.92	1.06	0.91	0.45	0.21	0.27	0.11	0.17
IN.	0.19	1.00	1.66	4.95	3.04	1.23	1.01	0.52	0.24	0.31	0.13	0.19

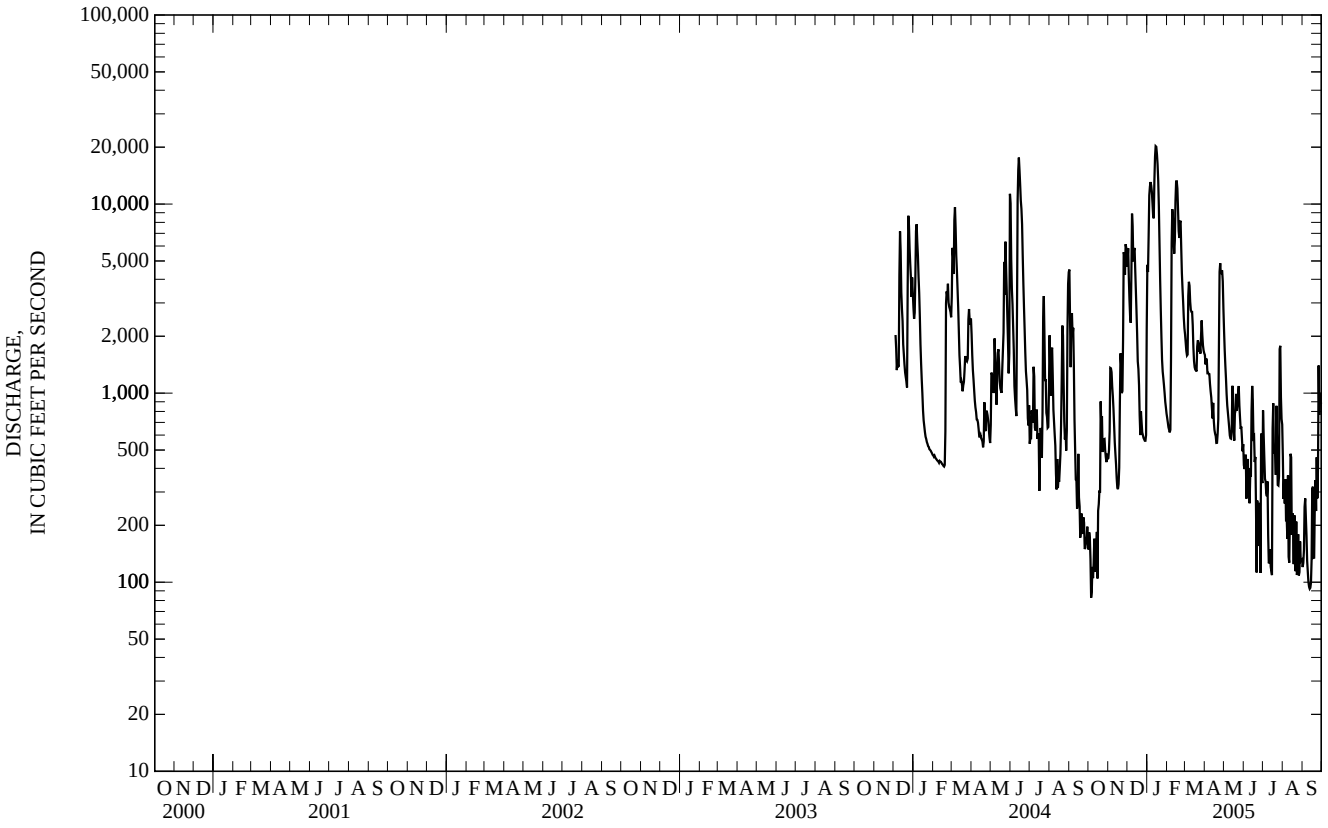
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2005, BY WATER YEAR (WY)

MEAN	319	1,731	2,779	5,158	3,402	2,531	1,276	1,538	2,737	718	678	580
MAX	319	1,731	2,779	8,276	5,631	3,007	1,749	2,204	5,064	918	1,138	826
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2005)	(2004)	(2004)	(2004)	(2004)	(2004)
MIN	319	1,731	2,779	2,039	1,250	2,055	803	872	410	517	218	333
(WY)	(2005)	(2005)	(2005)	(2004)	(2004)	(2005)	(2004)	(2005)	(2005)	(2005)	(2005)	(2005)

04182950 MAUMEE RIVER AT COLISEUM BLVD AT FORT WAYNE, IN—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2004 - 2005	
ANNUAL TOTAL	673,551		750,502			
ANNUAL MEAN	1,840		2,056		2,056	
HIGHEST ANNUAL MEAN					2,056	2005
LOWEST ANNUAL MEAN					2,056	2005
HIGHEST DAILY MEAN	17,600	Jun 14	20,200	Jan 14	20,200	Jan 14, 2005
LOWEST DAILY MEAN	83	Oct 5	83	Oct 5	83	Oct 5, 2004
ANNUAL SEVEN-DAY MINIMUM	118	Oct 4	103	Sep 8	103	Sep 8, 2005
MAXIMUM PEAK FLOW			20,600	Jan 14	20,600	Jan 14, 2005
MAXIMUM PEAK STAGE			22.84	Jan 14	22.84	Jan 14, 2005
ANNUAL RUNOFF (CFSM)	0.954		1.07		1.07	
ANNUAL RUNOFF (INCHES)	12.98		14.47		14.48	
10 PERCENT EXCEEDS	4,620		5,870		5,870	
50 PERCENT EXCEEDS	876		729		729	
90 PERCENT EXCEEDS	305		135		135	

e Estimated



04183000 MAUMEE RIVER AT NEW HAVEN, IN

LOCATION.--Lat 41°05'06", long 85°01'20", in SE¼NE¼ sec.2, T.30 N., R.13 E., Allen County, Hydrologic Unit 04100005, (FORT WAYNE EAST, IN quadrangle), on left bank 600 ft upstream from bridge on Landin Road, 1,400 ft upstream from the Norfolk and Western Railroad bridge, 1.1 mi northwest of New Haven, 2.8 mi upstream from Sixmile Creek and at mile 129.0.

DRAINAGE AREA.--1,967 mi^2.

PERIOD OF RECORD.--December 1946 to September 1956 (high-water records only), October 1956 to current year.

REVISED RECORDS.--WSP 2112: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 724.51 ft above National Geodetic Vertical Datum of 1929. Prior to Sept. 7, 1956, nonrecording gage, Sept. 7, 1956 to Sept. 14, 1965, water-stage recorder at site 500 ft downstream at same datum.

REMARKS.--Records good except those for Mar. 5-9 and estimated daily discharges, which are poor. Flow regulated by hydro-powerplant on the St. Joseph River 10.3 mi upstream from station. Flow slightly regulated by upstream reservoirs.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	170	475	5,290	5,010	e757	2,020	1,670	2,400	398	845	523	133
2	243	525	6,120	4,730	e719	1,820	1,480	1,920	361	668	262	138
3	235	589	4,400	6,980	e674	1,620	1,550	1,590	372	470	356	155
4	191	1,410	3,330	11,000	e650	1,530	1,580	1,370	464	359	299	243
5	97	1,410	2,690	12,200	e640	1,530	1,310	1,140	260	327	340	290
6	102	1,380	2,510	12,800	e650	3,180	1,320	955	365	312	216	211
7	138	1,140	4,570	12,300	1,450	3,990	1,290	852	448	266	236	171
8	123	961	8,930	11,500	6,030	3,850	1,300	772	240	341	168	143
9	135	817	7,990	10,200	9,200	3,210	1,140	688	379	200	421	125
10	226	677	5,340	8,890	8,450	2,870	1,010	607	228	136	163	114
11	171	567	5,830	8,670	6,560	2,800	915	573	340	127	143	108
12	137	501	6,130	13,300	5,490	2,810	826	566	331	157	200	104
13	156	451	4,780	18,300	6,380	2,420	734	608	879	124	535	105
14	264	387	3,690	21,000	9,860	1,840	876	1,250	1,230	133	587	109
15	126	345	2,900	21,000	12,600	1,520	725	1,140	1,110	120	195	137
16	235	336	2,220	e19,400	13,000	1,410	649	707	634	666	254	346
17	356	348	1,530	e17,000	11,900	1,350	620	525	637	1,040	223	363
18	318	431	1,400	e14,000	9,470	1,370	604	796	450	592	145	164
19	244	903	1,170	e10,500	7,260	1,320	562	877	477	485	214	157
20	841	1,730	791	6,260	6,610	1,790	553	1,120	293	502	240	244
21	671	1,550	624	4,070	8,040	1,970	621	892	110	393	137	371
22	731	1,050	810	2,720	8,190	1,900	735	939	272	899	218	261
23	520	1,050	e720	e2,060	6,100	1,700	1,790	1,100	167	606	130	488
24	533	2,070	e640	e1,560	4,450	1,790	4,610	1,240	239	344	126	285
25	560	5,950	e620	e1,340	3,630	1,650	5,190	957	202	325	199	413
26	586	5,670	e600	e1,240	3,070	2,080	4,630	804	272	340	127	1,600
27	517	4,560	e590	e1,120	2,520	2,560	4,650	654	130	1,850	121	829
28	480	6,340	e580	e1,020	2,170	2,160	4,730	691	593	2,140	180	1,310
29	456	6,220	e580	e917	---	1,880	4,220	579	440	1,110	148	1,160
30	503	4,990	e620	e859	---	1,780	3,110	474	302	806	148	948
31	484	---	2,200	e790	---	1,680	---	519	---	743	154	---
TOTAL	10,549	54,833	90,195	262,736	156,520	65,400	55,000	29,305	12,623	17,426	7,408	11,225
MEAN	340	1,828	2,910	8,475	5,590	2,110	1,833	945	421	562	239	374
MAX	841	6,340	8,930	21,000	13,000	3,990	5,190	2,400	1,230	2,140	587	1,600
MIN	97	336	580	790	640	1,320	553	474	110	120	121	104
CFSM	0.17	0.93	1.48	4.31	2.84	1.07	0.93	0.48	0.21	0.29	0.12	0.19
IN.	0.20	1.04	1.71	4.97	2.96	1.24	1.04	0.55	0.24	0.33	0.14	0.21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2005, BY WATER YEAR (WY)

MEAN	636	1,229	2,103	2,072	2,733	3,641	3,353	2,003	1,705	1,089	620	581
MAX	5,219	6,523	6,292	8,475	7,649	11,460	7,955	6,914	6,480	5,989	2,687	3,264
(WY)	(2002)	(1993)	(1968)	(2005)	(1976)	(1982)	(1957)	(1996)	(1981)	(2003)	(2003)	(2003)
MIN	62.3	102	96.4	119	161	1,181	789	382	122	197	99.1	91.2
(WY)	(1964)	(1965)	(1964)	(1963)	(1964)	(1981)	(1971)	(1988)	(1988)	(1964)	(1962)	(1963)

04183000 MAUMEE RIVER AT NEW HAVEN, IN—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1957 - 2005	
ANNUAL TOTAL	717,600		773,220			
ANNUAL MEAN	1,961		2,118		1,808	
HIGHEST ANNUAL MEAN					2,975	1993
LOWEST ANNUAL MEAN					669	1963
HIGHEST DAILY MEAN	18,700	Jun 14	21,000	Jan 14	26,300	Mar 17, 1982
LOWEST DAILY MEAN	97	Oct 5	97	Oct 5	48	Oct 6, 1963
ANNUAL SEVEN-DAY MINIMUM	142	Oct 5	115	Sep 9	55	Oct 4, 1963
MAXIMUM PEAK FLOW			21,400	Jan 14	26,600	Mar 17, 1982
MAXIMUM PEAK STAGE			22.69	Jan 14	25.49	Mar 17, 1982
ANNUAL RUNOFF (CFSM)	0.997		1.08		0.919	
ANNUAL RUNOFF (INCHES)	13.57		14.62		12.49	
10 PERCENT EXCEEDS	5,010		6,120		4,900	
50 PERCENT EXCEEDS	897		735		781	
90 PERCENT EXCEEDS	322		157		158	

e Estimated