

03328500 EEL RIVER NEAR LOGANSFORT, IN

LOCATION.--Lat 40°46'55", long 86°15'50", in NE<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub> sec.14, T.27 N., R.2 E., Cass County, Hydrologic Unit 05120104, (LOGANSFORT, IN quadrangle), on right bank at downstream side of bridge on Adamsboro Road, 5.5 mi northeast of Logansport, and 7.4 mi upstream from mouth.

DRAINAGE AREA.--789 mi<sup>2</sup>.

PERIOD OF RECORD.--July 1943 to current year. Monthly discharge only for some periods, published in WSP 1305.

REVISED RECORDS.--WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 621.50 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 16, 1956, nonrecording gage at same site and datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 18, 1943, reached a stage of 13.2 ft, from floodmark, discharge, 17,000 ft<sup>3</sup>/s.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	225	1070	4310	e480	6780	649	3480	1110	652	395	284	158
2	220	1000	3060	e470	6250	659	2280	1490	595	344	246	155
3	215	1010	1950	e460	4270	1800	2580	2300	564	315	228	153
4	209	954	1410	e450	2730	2180	2500	1470	548	292	218	152
5	239	858	1140	e440	1810	1380	1740	1110	627	277	201	147
6	611	787	984	e450	1370	1040	1370	947	774	264	193	146
7	960	737	878	e445	1140	996	1160	901	682	253	189	144
8	646	698	792	e440	1000	1000	1310	893	592	245	182	146
9	479	662	720	438	899	1580	3640	1360	539	260	182	146
10	403	629	662	435	831	3930	3620	2040	506	266	175	145
11	403	605	618	435	791	2850	2320	1530	490	254	171	141
12	2920	571	587	429	744	1800	1690	4430	529	236	169	138
13	5560	546	624	422	697	1390	3970	7060	494	227	170	138
14	5320	531	973	414	644	1200	4220	5570	468	221	177	139
15	5580	529	3250	412	612	1050	2530	3450	451	213	190	139
16	5010	527	2860	408	590	955	1770	2200	434	208	200	140
17	5680	507	4000	395	566	861	1390	1800	416	202	195	140
18	4270	490	5840	386	539	796	1170	1750	396	204	e195	148
19	3020	484	4190	374	589	743	1040	1630	387	225	e190	158
20	2190	481	2600	368	1170	711	954	1310	372	238	e236	193
21	1690	463	1760	361	1880	686	949	1140	358	222	229	210
22	2590	452	1370	359	1450	636	1020	1020	345	214	207	214
23	5120	441	1200	358	1080	603	1020	925	338	242	199	188
24	5560	440	1090	371	893	590	893	851	329	234	227	167
25	5300	473	951	413	796	617	824	803	322	214	232	157
26	4420	816	824	438	760	628	755	785	327	203	e210	154
27	3060	675	765	432	736	627	761	750	323	199	189	164
28	2090	587	703	432	686	668	1860	718	495	202	178	170
29	1630	622	650	456	---	1010	2120	715	576	219	170	181
30	1370	2960	e540	954	---	3740	1410	687	473	281	167	170
31	1190	---	e500	3760	---	4630	---	674	---	374	162	---
TOTAL	78180	21605	51801	16885	42303	42005	56346	53419	14402	7743	6161	4741
MEAN	2522	720.2	1671	544.7	1511	1355	1878	1723	480.1	249.8	198.7	158.0
MAX	5680	2960	5840	3760	6780	4630	4220	7060	774	395	284	214
MIN	209	440	500	358	539	590	755	674	322	199	162	138
CFSM	3.20	0.91	2.12	0.69	1.91	1.72	2.38	2.18	0.61	0.32	0.25	0.20
IN.	3.69	1.02	2.44	0.80	1.99	1.98	2.66	2.52	0.68	0.37	0.29	0.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2002, BY WATER YEAR (WY)

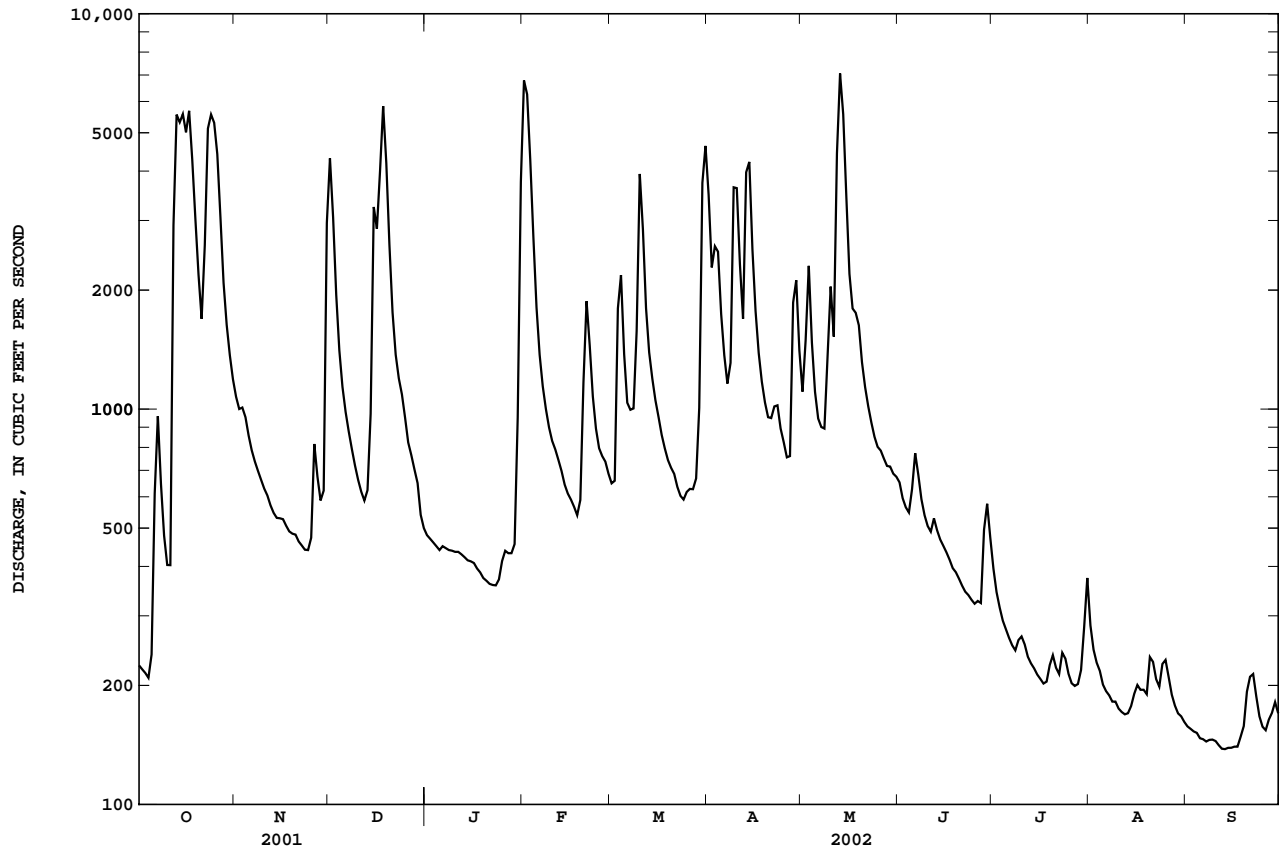
	MEAN	384.4	521.2	824.2	955.7	1140	1355	1317	879.9	790.7	502.6	365.2	304.4
MAX	2522	2384	2898	4507	3090	4612	3285	1827	2208	2072	2115	1052	
(WY)	2002	1993	1967	1950	1959	1982	1950	1983	1975	1998	1990	1972	
MIN	95.1	110	98.2	101	184	353	366	245	176	140	128	101	
(WY)	1964	1964	1964	1977	1964	1966	1966	1958	1988	1988	1966	1963	

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1944 - 2002

ANNUAL TOTAL	381358	395591	
ANNUAL MEAN	1045	1084	776.1
HIGHEST ANNUAL MEAN			1573
LOWEST ANNUAL MEAN			324
HIGHEST DAILY MEAN	7000	Feb 10	7060
LOWEST DAILY MEAN	169	Aug 15	138
ANNUAL SEVEN-DAY MINIMUM	180	Aug 11	139
MAXIMUM PEAK FLOW			7260
MAXIMUM PEAK STAGE			8.80
ANNUAL RUNOFF (CFSM)	1.32		1.37
ANNUAL RUNOFF (INCHES)	17.98		18.65
10 PERCENT EXCEEDS	2740		2880
50 PERCENT EXCEEDS	586		617
90 PERCENT EXCEEDS	261		182

e Estimated

03328500 EEL RIVER NEAR LOGANSPOET, IN--Continued



03329000 WABASH RIVER AT LOGANSPOBT, IN

LOCATION.--Lat 40°44'47", long 86°22'39", in SW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> sec.35, T.27 N., R.1 E., Cass County, Hydrologic Unit 05120105, (CLYMERS, IN quadrangle), on left bank, 150 ft downstream from Cicott Street bridge in Logansport, 1,000 ft downstream from Eel River, 0.85 mi upstream of U.S. Highway 35, and at mile 353.7.

DRAINAGE AREA.--3,779 mi<sup>2</sup>.

PERIOD OF RECORD.--April to September, November and December 1903, March to November 1904, March 1905 to July 1906, May 1923 to current year. January, February, and December 1904, January and February 1905 (gage heights only). Gage-height records collected at same site December 1910 to December 1916, and since January 1926 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 783: 1934. WSP 1335: 1904, 1925(M), 1926-30, 1931(M), 1932-35, 1937-39, 1948. WSP 1385: 1903, 1905-6, 1923-25. WSP 1505: 1906(M). WSP 2109: Drainage area. WDR IN-81-1: 1979.

GAGE.--Water-stage recorder. Datum of gage is 573.28 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). See WSP 1705 for history of changes prior to Oct. 1, 1927.

REMARKS.--Records good. Flow partially regulated by Huntington Lake, Salamonie Lake, and Mississinewa Lake.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 25.3 ft March 26, 1913, from floodmarks, discharge, 140,000 ft<sup>3</sup>/s.

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

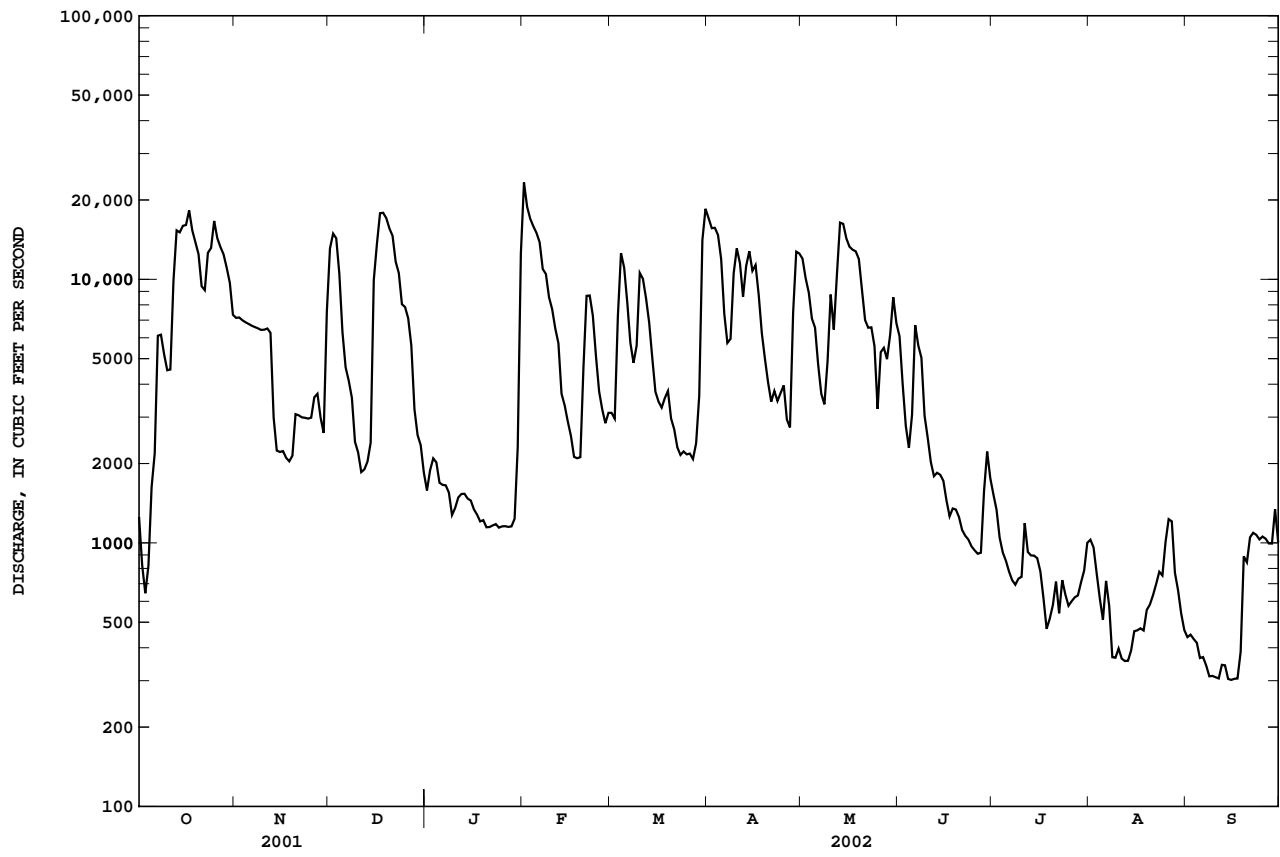
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1250	7140	13100	1580	23300	3110	17000	12000	6080	1530	1030	439
2	821	7160	14900	1890	18800	2960	15600	10100	4010	1340	961	448
3	644	7000	14300	2090	17000	7250	15700	8900	2780	1050	766	432
4	820	6870	10500	2020	15900	12600	14700	7100	2290	919	615	417
5	1620	6770	6300	1690	15000	11100	11900	6560	3060	855	510	366
6	2180	6670	4640	1660	13800	8170	7410	4740	6700	778	718	369
7	6110	6590	4120	1650	10900	5740	5740	3680	5610	722	576	342
8	6160	6520	3550	1550	10500	4820	5950	3360	5040	694	368	312
9	5200	6430	2420	1280	8550	5610	10500	4880	3040	732	367	313
10	4520	6440	2200	1360	7710	10600	13100	8750	2510	744	397	309
11	4550	6510	1860	1490	6510	10000	11500	6450	2030	1190	364	306
12	9890	6260	1900	1530	5720	8470	8590	10500	1790	924	356	344
13	15300	2990	2040	1540	3680	6860	11200	16400	1840	896	357	343
14	15100	2240	2400	1470	3320	5020	12800	16200	1810	894	390	305
15	16000	2210	9920	1450	2890	3740	10800	14300	1720	875	462	302
16	16100	2230	13600	1340	2540	3430	11300	13300	1450	779	466	305
17	18300	2100	17800	1280	2120	3260	8730	13000	1260	617	474	306
18	15400	2040	17900	1210	2090	3540	6250	12800	1350	472	465	386
19	13800	2140	17100	1220	2110	3770	4980	11900	1340	515	556	889
20	12500	3080	15600	1150	4620	2960	4060	9110	1250	580	583	844
21	9410	3050	14600	1150	8660	2700	3430	7000	1120	713	633	1050
22	9090	2990	11700	1160	8680	2300	3770	6550	1060	541	698	1090
23	12600	2980	10600	1180	7280	2160	3460	6570	1030	722	777	1070
24	13100	2960	8040	1140	5110	2220	3700	5580	970	636	752	1030
25	16700	2980	7850	1160	3760	2170	3960	3220	937	577	1010	1060
26	14300	3570	7110	1160	3210	2180	2940	5290	909	600	1230	1040
27	13300	3680	5610	1150	2840	2080	2740	5500	918	622	1210	995
28	12400	2990	3210	1150	3120	2390	7480	4980	1570	632	771	994
29	11100	2610	2560	1230	---	3620	12700	6160	2220	709	661	1340
30	9700	7530	2350	2300	---	14100	12500	8550	1760	786	540	1000
31	7340	---	1850	12500	---	18500	---	6810	---	1000	467	---
TOTAL	295305	134730	251630	55730	219720	177430	264490	260240	69454	24644	19530	18746
MEAN	9526	4491	8117	1798	7847	5724	8816	8395	2315	795.0	630.0	624.9
MAX	18300	7530	17900	12500	23300	18500	17000	16400	6700	1530	1230	1340
MIN	644	2040	1850	1140	2090	2080	2740	3220	909	472	356	302
CFSM	2.52	1.19	2.15	0.48	2.08	1.51	2.33	2.22	0.61	0.21	0.17	0.17
IN.	2.91	1.33	2.48	0.55	2.16	1.75	2.60	2.56	0.68	0.24	0.19	0.18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 2002, BY WATER YEAR (WY)

MEAN	1513	2224	3691	4608	5249	6416	5880	3835	3250	2056	1330	1222
MAX	9526	10940	12340	25590	15880	18180	17520	21310	16440	10720	9044	10710
(WY)	2002	1973	1968	1950	1959	1982	1957	1943	1958	1998	1998	1926
MIN	197	296	252	290	417	638	929	600	388	269	203	176
(WY)	1964	1964	1964	1945	1964	1941	1971	1941	1988	1936	1941	1941

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1924 - 2002
ANNUAL TOTAL	1618181	1791649	
ANNUAL MEAN	4433	4909	3429
HIGHEST ANNUAL MEAN			6614
LOWEST ANNUAL MEAN			796
HIGHEST DAILY MEAN	21200	Feb 10	23300
LOWEST DAILY MEAN	389	Aug 17	302
ANNUAL SEVEN-DAY MINIMUM	528	Aug 13	316
MAXIMUM PEAK FLOW			24000
MAXIMUM PEAK STAGE			10.84
ANNUAL RUNOFF (CFSM)	1.17		1.30
ANNUAL RUNOFF (INCHES)	15.93		17.64
10 PERCENT EXCEEDS	12400		13100
50 PERCENT EXCEEDS	2280		2940
90 PERCENT EXCEEDS	844		568

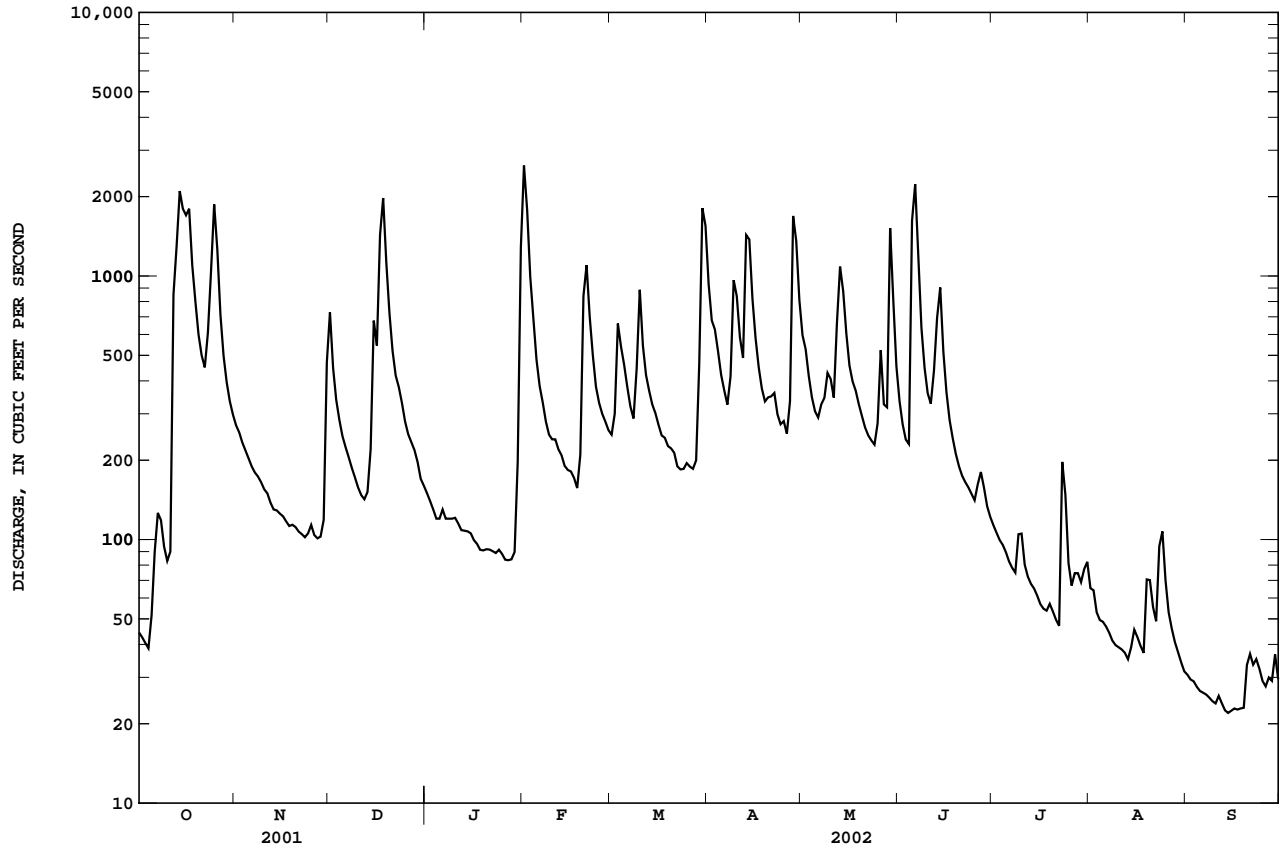
03329000 WABASH RIVER AT LOGANSPORT, IN--Continued





WABASH RIVER BASIN

03329700 DEER CREEK NEAR DELPHI, IN--Continued



03330241 TIPPECANOE RIVER AT NORTH WEBSTER, IN

LOCATION.--Lat 41°18'58", long 85°41'32", in SE<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> sec.15, T.33 N., R.7 E., Kosciusko County, Hydrologic Unit 05120106, (NORTH WEBSTER, IN quadrangle), on right upstream corner of State Road 13 bridge, at the intersection of State Road 13 and County Road 550 North, 0.4 mi southeast of North Webster. and 0.5 mi north of intersection of State Road 13 and 500 North.

DRAINAGE AREA.--49.3 mi<sup>2</sup>.

PERIOD OF RECORD.--May 1986 to current year.

GAGE.--Water-stage recorder. Datum of gage is 840.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except estimated daily discharges, which are poor. Flow regulated by dams at Webster Lake, 0.25 mi upstream.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	91	e78	40	57	50	79	102	86	5.6	12	7.4
2	14	93	87	39	87	56	122	75	80	5.6	12	4.0
3	18	91	107	30	128	57	192	12	58	5.3	11	5.3
4	23	90	142	22	145	57	185	11	17	3.9	11	6.0
5	20	71	152	22	150	56	178	16	73	4.3	11	5.2
6	18	21	134	22	150	57	169	22	99	7.6	8.9	4.5
7	20	39	122	18	e147	58	159	29	65	3.8	7.6	3.9
8	21	57	91	16	e142	59	156	115	15	3.8	8.8	3.4
9	22	62	70	29	e136	50	160	196	16	3.9	9.4	3.0
10	23	65	53	32	e130	39	160	139	17	4.6	9.6	3.4
11	29	60	40	28	e124	45	157	114	18	4.1	9.3	2.9
12	115	54	45	23	e118	54	157	170	19	3.2	9.1	1.7
13	207	53	53	18	e113	66	158	226	36	2.6	9.2	1.3
14	252	52	66	21	e106	91	159	267	42	2.1	8.8	1.3
15	295	52	90	23	e97	105	161	326	44	2.1	9.1	1.7
16	298	51	89	23	89	102	159	317	34	2.8	10	3.2
17	298	51	101	23	69	98	156	273	8.6	2.7	11	4.2
18	293	25	117	23	43	82	150	227	9.2	2.9	11	4.5
19	283	5.1	124	22	44	66	142	189	9.2	3.1	13	5.8
20	268	10	129	22	50	62	144	102	11	3.5	14	7.4
21	254	23	133	27	56	61	145	103	12	4.8	14	7.4
22	237	31	148	32	49	52	132	103	11	6.0	16	6.5
23	197	29	182	32	42	42	117	100	11	7.3	18	6.0
24	169	27	160	32	47	39	121	98	10	7.5	15	6.2
25	200	27	139	28	47	37	116	96	59	7.7	14	7.0
26	165	35	122	21	48	38	100	75	152	8.7	14	7.1
27	166	e56	93	21	49	45	83	28	22	10	14	7.3
28	166	e60	91	21	48	56	85	30	5.5	10	13	6.8
29	166	e65	89	21	---	60	84	28	5.3	12	12	6.6
30	161	e70	80	22	---	59	84	27	5.4	12	12	5.8
31	135	---	48	35	---	66	---	66	---	12	11	---
TOTAL	4545	1516.1	3175	788	2511	1865	4170	3682	1050.2	175.5	358.8	146.8
MEAN	146.6	50.54	102.4	25.42	89.68	60.16	139.0	118.8	35.01	5.661	11.57	4.893
MAX	298	93	182	40	150	105	192	326	152	12	18	7.4
MIN	12	5.1	40	16	42	37	79	11	5.3	2.1	7.6	1.3
CFSM	2.97	1.03	2.08	0.52	1.82	1.22	2.82	2.41	0.71	0.11	0.23	0.10
IN.	3.43	1.14	2.40	0.59	1.89	1.41	3.15	2.78	0.79	0.13	0.27	0.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2002, BY WATER YEAR (WY)

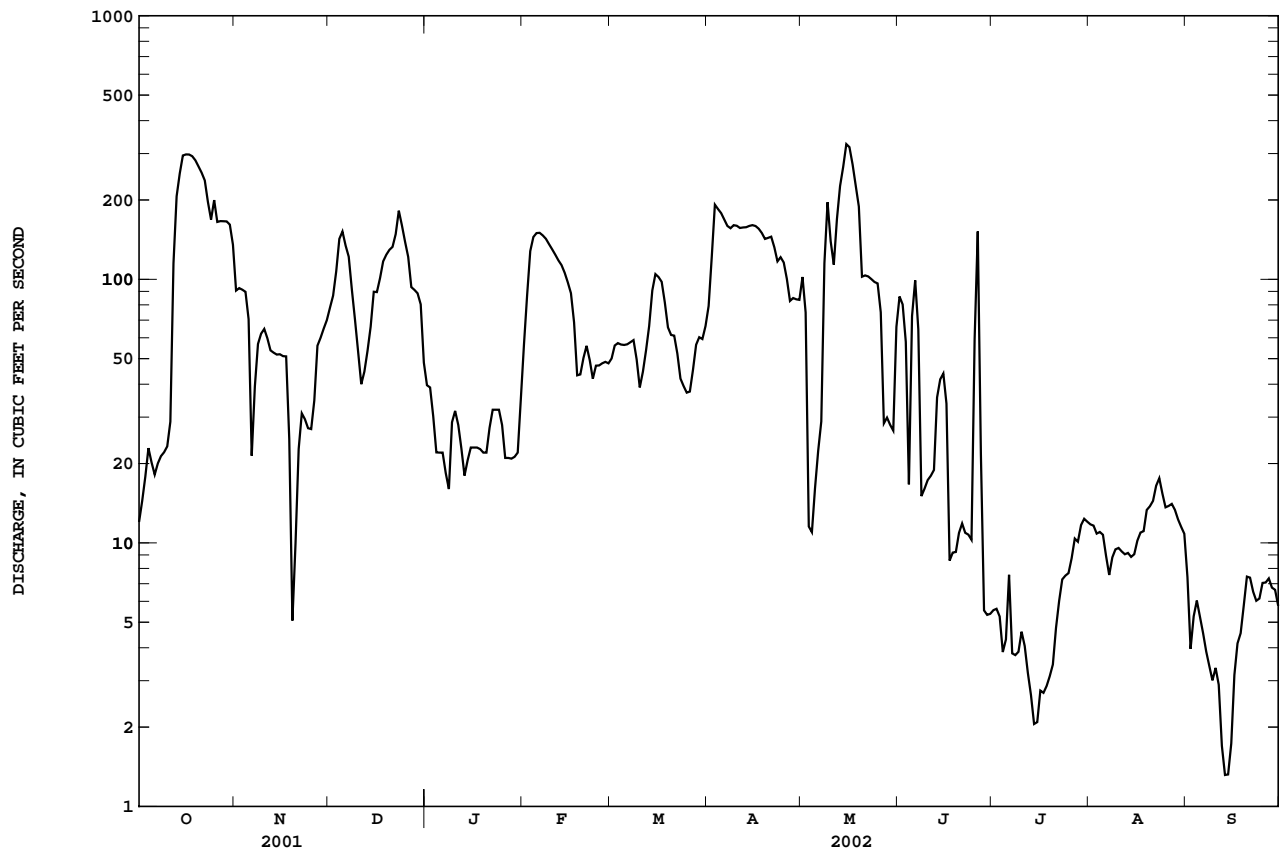
	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MEAN	39.26	41.28	49.98	71.16	63.90	65.74	82.93	52.88	49.65	23.88	23.74	16.76				
MAX	147	133	102	209	153	137	139	119	138	72.0	80.1	87.7				
(WY)	2002	1993	2002	1993	2001	1997	2002	2002	1996	1996	1990	1990				
MIN	2.68	6.61	12.3	13.6	6.05	15.0	29.6	15.4	3.08	4.36	2.00	1.67				
(WY)	1995	1995	1996	2000	2000	2000	2000	1988	1988	1988	1988	1999				

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1987 - 2002

	2001 CALENDAR YEAR	2002 WATER YEAR	WATER YEARS 1987 - 2002
ANNUAL TOTAL	24358.9	23983.4	
ANNUAL MEAN	66.74	65.71	48.32
HIGHEST ANNUAL MEAN			70.5
LOWEST ANNUAL MEAN			23.0
HIGHEST DAILY MEAN	396	Aug 23	420
LOWEST DAILY MEAN	4.9	Sep 2	1.3
ANNUAL SEVEN-DAY MINIMUM	7.8	Sep 2	2.2
MAXIMUM PEAK FLOW			330
MAXIMUM PEAK STAGE			5.76
ANNUAL RUNOFF (CFSM)	1.35		1.33
ANNUAL RUNOFF (INCHES)	18.38		18.10
10 PERCENT EXCEEDS	167		159
50 PERCENT EXCEEDS	38		43
90 PERCENT EXCEEDS	11		5.4

e Estimated

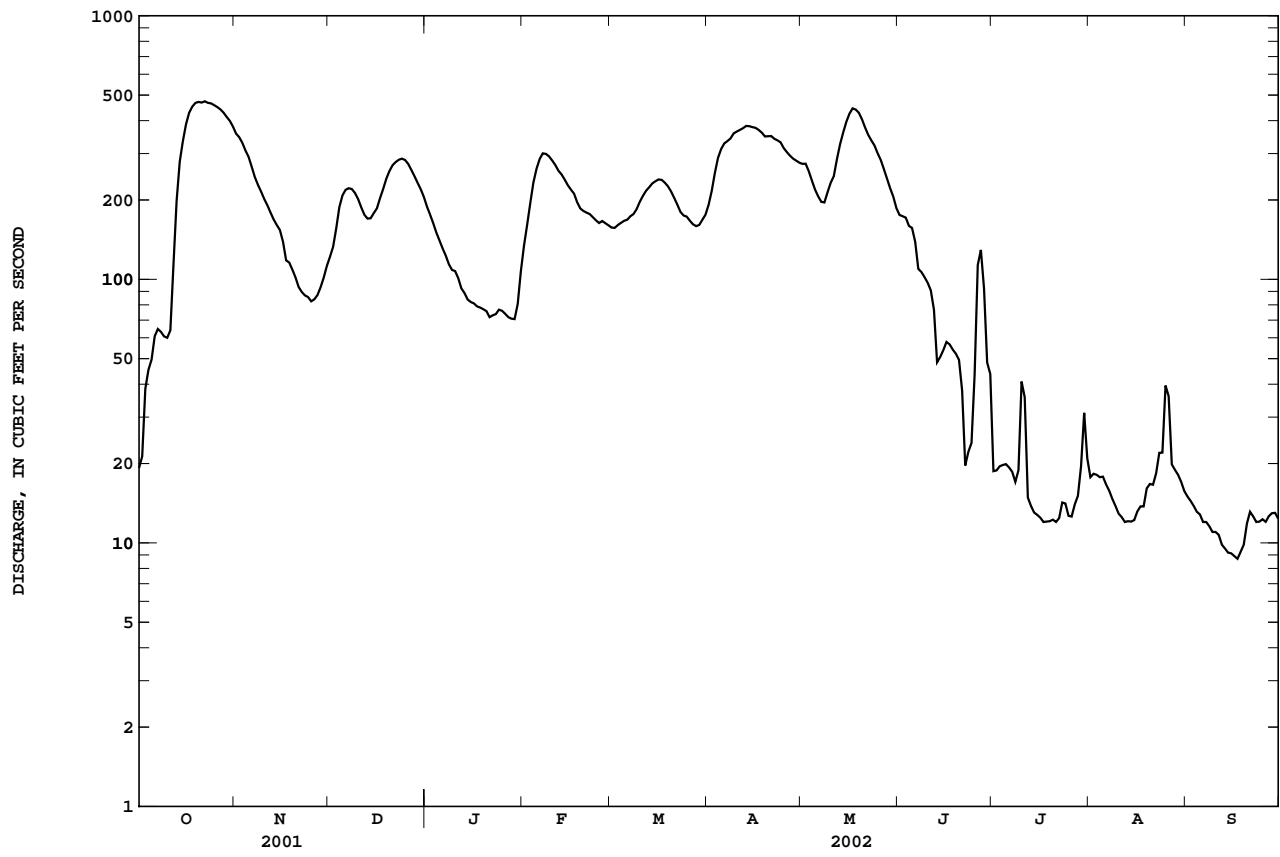
03330241 TIPPECANOE RIVER AT NORTH WEBSTER, IN--Continued







03330500 TIPPECANOE RIVER AT OSWEGO, IN--Continued



03331110 WALNUT CREEK NEAR WARSAW, IN

LOCATION.--Lat 41°12'17", long 85°52'11", in NW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> sec.30, T.32 N., R.6 E., Kosciusko County, Hydrologic Unit 05120106, (WARSAW, IN quadrangle), on left bank 10 ft upstream from bridge on County Road 200 South, 0.3 mi downstream from small right-bank tributary, 1.1 mi west of intersection of County Road 200 South and Country Farm Road, and 2.5 mi south of court house in Warsaw.

DRAINAGE AREA.--19.6 mi<sup>2</sup>.

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

GAGE.--Water-stage recorder. Datum of gage is 823.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow occasionally regulated by lakes upstream.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	26	36	e10	107	16	62	31	25	7.5	5.9	1.3
2	0.89	26	32	e9.8	92	17	63	42	21	6.8	4.9	1.4
3	0.81	26	28	e9.7	70	32	67	43	19	6.0	4.4	1.8
4	0.97	23	24	e9.6	53	e34	55	39	18	6.0	3.9	1.7
5	2.3	22	21	10	41	29	45	32	21	6.6	3.6	1.4
6	2.7	20	20	10	34	27	37	28	23	6.7	2.7	1.3
7	5.5	18	18	10	28	29	30	27	22	5.6	2.5	1.2
8	5.8	17	17	11	25	29	39	26	20	5.5	2.6	1.2
9	5.4	17	16	11	23	47	78	41	20	5.4	2.5	1.1
10	5.6	16	15	11	22	63	76	44	20	5.5	2.3	1.1
11	12	16	14	11	21	57	59	48	17	5.0	2.1	1.1
12	50	15	14	11	20	46	49	120	15	4.6	1.9	1.0
13	55	14	17	11	18	38	68	113	14	4.4	2.0	1.0
14	78	14	25	11	16	31	71	92	15	4.3	1.9	0.91
15	73	14	39	11	16	27	60	70	15	4.1	2.1	0.94
16	79	14	39	11	15	24	46	57	13	3.9	4.9	0.98
17	86	13	60	11	15	22	36	52	11	3.6	5.2	1.0
18	72	13	70	10	14	20	30	49	11	3.6	5.9	1.1
19	56	13	60	10	16	19	25	44	11	3.9	7.7	1.4
20	42	13	48	9.9	23	18	28	38	10	4.9	6.2	2.1
21	34	12	37	9.7	28	17	31	32	9.8	3.4	4.8	2.7
22	56	12	30	9.6	27	16	32	28	9.6	4.3	4.0	2.2
23	85	11	28	9.5	24	15	28	24	8.5	4.5	3.3	1.9
24	92	11	25	10	21	15	25	22	8.1	4.1	2.8	1.6
25	86	12	22	10	20	16	23	21	8.2	3.3	2.4	1.3
26	73	12	20	9.9	20	18	22	21	8.1	3.2	2.0	1.2
27	60	12	18	9.8	19	18	22	20	9.0	3.3	1.7	1.4
28	48	12	e16	9.8	17	18	37	21	8.7	9.3	1.6	1.4
29	40	14	e15	10	---	26	39	28	8.5	12	1.5	1.3
30	34	30	e13	16	---	56	36	32	7.9	10	1.4	1.1
31	29	---	e11	59	---	74	---	29	---	7.7	1.3	---
TOTAL	1270.97	488	848	372.3	845	914	1319	1314	427.4	169.0	102.0	41.13
MEAN	41.00	16.27	27.35	12.01	30.18	29.48	43.97	42.39	14.25	5.452	3.290	1.371
MAX	92	30	70	59	107	74	78	120	25	12	7.7	2.7
MIN	0.81	11	11	9.5	14	15	22	20	7.9	3.2	1.3	0.91
CFSM	2.09	0.83	1.40	0.61	1.54	1.50	2.24	2.16	0.73	0.28	0.17	0.07
IN.	2.41	0.93	1.61	0.71	1.60	1.73	2.50	2.49	0.81	0.32	0.19	0.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2002, BY WATER YEAR (WY)

	MEAN	8.740	14.23	19.85	19.26	24.46	33.13	34.63	21.56	19.33	10.33	6.723	6.556
MAX	54.6	44.9	48.3	77.7	60.6	110	66.5	60.8	80.3	49.3	53.7	27.0	27.0
(WY)	1991	1993	1991	1993	1985	1982	1981	1981	1981	1997	1990	1980	1980
MIN	1.04	2.18	1.43	0.91	2.87	7.99	14.2	6.35	2.34	1.73	1.07	0.80	0.80
(WY)	1977	1979	1977	1977	1979	2000	2000	1988	1988	1988	1971	1976	1976

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

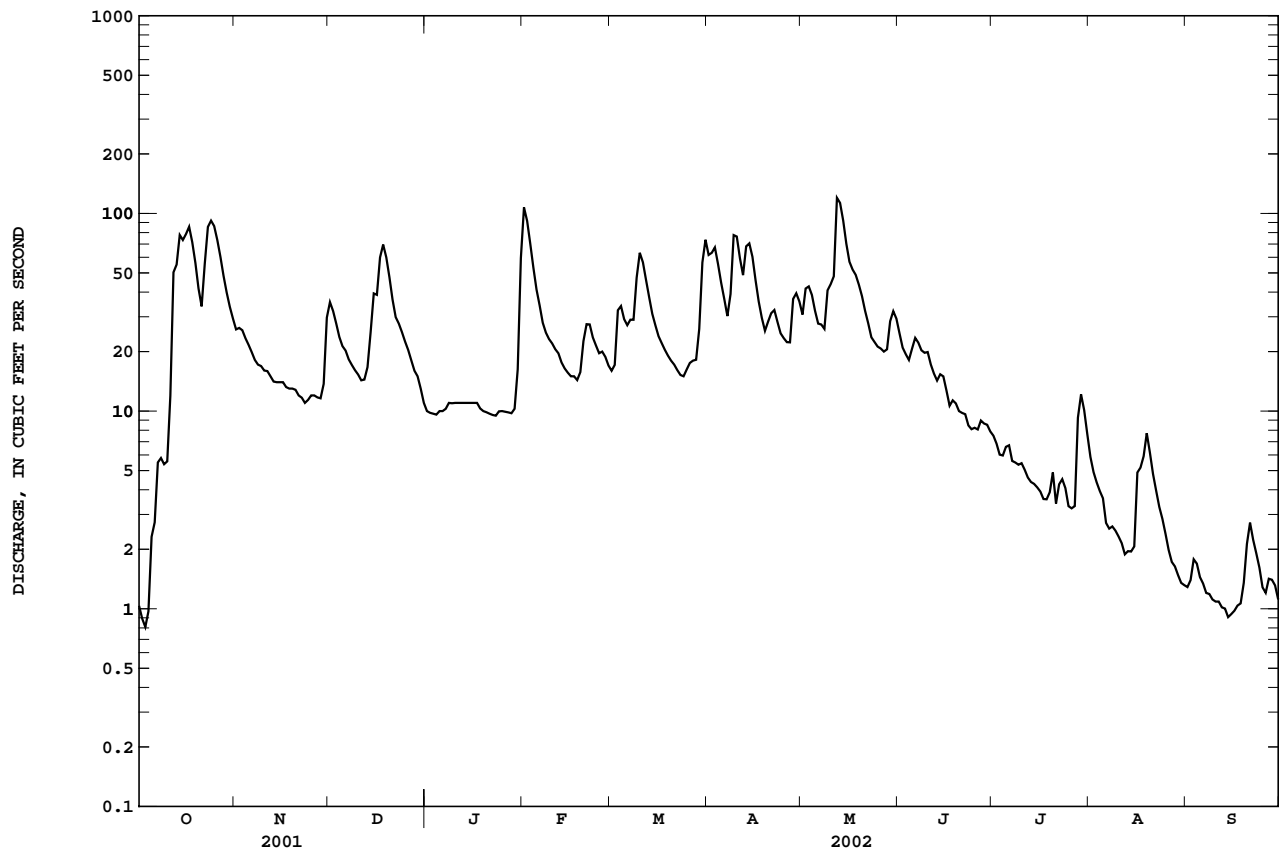
FOR 2002 WATER YEAR

WATER YEARS 1970 - 2002

ANNUAL TOTAL	6845.87	8110.80	
ANNUAL MEAN	18.76	22.22	18.18
HIGHEST ANNUAL MEAN			31.9
LOWEST ANNUAL MEAN			9.36
HIGHEST DAILY MEAN	134	Feb 10	389
LOWEST DAILY MEAN	0.81	Oct 3	0.40
ANNUAL SEVEN-DAY MINIMUM	1.1	Sep 28	0.46
MAXIMUM PEAK FLOW			561
MAXIMUM PEAK STAGE			5.38
ANNUAL RUNOFF (CFSM)	0.96		0.93
ANNUAL RUNOFF (INCHES)	12.99		12.60
10 PERCENT EXCEEDS	43		42
50 PERCENT EXCEEDS	13		11
90 PERCENT EXCEEDS	2.5		1.9

e Estimated

03331110 WALNUT CREEK NEAR WARSAW, IN--Continued



03331500 TIPPECANOE RIVER NEAR ORA, IN

LOCATION.--Lat 41°09'26", long 86°33'49", in SE<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub> sec.6, T.31 N., R.1 W., Pulaski County, Hydrologic Unit 05120106, (BASS LAKE, IN quadrangle), on right bank at downstream side of bridge on County Road 700 East, 1.0 mi upstream from Bartee Ditch, 1.3 mi southwest of Ora, and at mile 78.5.

DRAINAGE AREA.--856 mi<sup>2</sup>.

PERIOD OF RECORD.--September 1943 to current year. Monthly discharge only for some periods, published in WSP 1305.

REVISED RECORDS.--WSP 1335: 1944(M). WSP 1505: 1949-50(P). WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 692.91 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to July 30, 1956, nonrecording gage on upstream side of old highway bridge, 120 ft downstream. July 30, 1956, to Dec. 20, 1964, water-stage recorder on right bank at downstream side of old highway bridge, and Dec. 21, 1964, to Aug. 19, 1965, nonrecording gage on right bank 500 ft downstream. All gages at same datum.

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	263	2180	1370	e840	2060	1090	2310	1850	1270	517	385	209
2	256	2020	1440	e830	2820	1060	2240	1820	1200	477	389	205
3	259	1930	1330	e820	3010	1270	2400	2020	1150	448	380	202
4	275	1880	1260	e805	2810	1670	2550	1980	1110	420	329	199
5	280	1780	1190	e792	2550	1600	2550	1770	1160	399	305	190
6	340	1650	1130	e780	2300	1470	2410	1600	1260	378	290	186
7	444	1550	1080	e768	2040	1550	2220	1500	1240	361	273	183
8	462	1470	1030	e752	1810	1690	2060	1410	1160	346	256	180
9	453	1410	980	757	1640	1790	2240	1420	1080	359	242	180
10	430	1320	940	743	1520	2160	2650	1640	1010	356	234	178
11	410	1250	912	731	1430	2520	2790	1680	951	339	226	177
12	642	1180	889	719	1360	2450	2620	2120	939	330	219	171
13	1440	1120	895	709	1290	2220	2510	3110	896	324	217	173
14	1780	1070	956	694	1210	2040	2700	4030	853	321	218	174
15	2220	1040	1250	684	1150	1900	2740	4120	821	297	217	173
16	2610	1000	1520	676	1110	1760	2550	3680	771	281	225	174
17	2740	960	1520	664	1060	1620	2340	3380	736	273	256	173
18	2940	923	1860	649	1020	1500	2150	3130	715	274	251	171
19	2980	907	2180	631	1000	1400	1990	2920	692	283	301	175
20	2800	880	2130	612	1250	1320	1860	2680	663	284	340	200
21	2590	833	1970	598	1610	1260	1810	2440	629	278	311	220
22	2460	799	1830	589	1580	1190	1800	2240	596	284	303	205
23	2670	769	1740	580	1450	1140	1780	2070	571	287	283	199
24	3120	748	1650	584	1350	1090	1730	1920	546	276	268	191
25	3400	760	1520	608	1280	1090	1680	1790	540	271	261	175
26	3440	768	1400	614	1230	1100	1610	1700	640	277	258	162
27	3310	750	1280	602	1200	1100	1540	1610	593	269	246	160
28	3090	735	1210	592	1150	1090	1720	1520	553	266	236	161
29	2850	733	1180	589	---	1150	1970	1490	548	287	240	160
30	2610	886	1090	636	---	1610	1970	1440	541	414	226	160
31	2380	---	e850	1030	---	2160	---	1340	---	413	213	---
TOTAL	55944	35301	41582	21678	45290	48060	65490	67420	25434	10389	8398	5466
MEAN	1805	1177	1341	699.3	1618	1550	2183	2175	847.8	335.1	270.9	182.2
MAX	3440	2180	2180	1030	3010	2520	2790	4120	1270	517	389	220
MIN	256	733	850	580	1000	1060	1540	1340	540	266	213	160
CFSM	2.11	1.37	1.57	0.82	1.89	1.81	2.55	2.54	0.99	0.39	0.32	0.21
IN.	2.43	1.53	1.81	0.94	1.97	2.09	2.85	2.93	1.11	0.45	0.36	0.24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2002, BY WATER YEAR (WY)

	MEAN	481.7	606.3	808.0	999.1	1190	1462	1567	1150	923.9	620.7	438.0	364.1
MAX	2112	1933	2478	3552	3020	4239	4116	2869	3468	1943	2699	1224	
(WY)	1991	1973	1967	1950	1959	1982	1950	1981	1981	1996	1990	1958	
MIN	134	155	177	183	192	451	525	337	243	180	155	107	
(WY)	1954	1954	1964	1963	1963	1957	1958	1958	1988	1988	1988	1966	

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

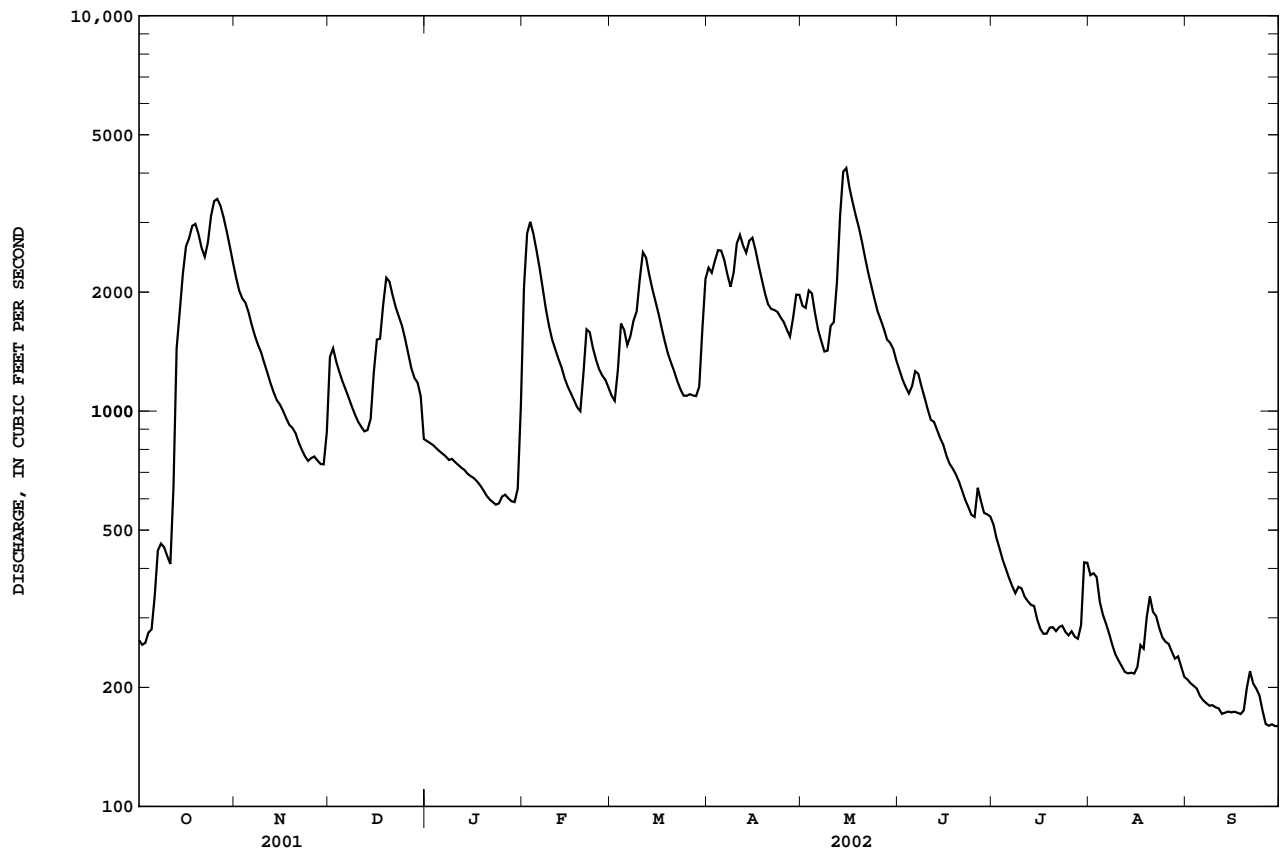
FOR 2002 WATER YEAR

WATER YEARS 1944 - 2002

ANNUAL TOTAL	391768	430452		
ANNUAL MEAN	1073	1179	882.1	
HIGHEST ANNUAL MEAN			1580	1950
LOWEST ANNUAL MEAN			354	1964
HIGHEST DAILY MEAN	3440	Oct 26	4120	May 15
LOWEST DAILY MEAN	256	Oct 2	160	Sep 27
ANNUAL SEVEN-DAY MINIMUM	272	Sep 29	167	Sep 24
MAXIMUM PEAK FLOW			4270	May 14
MAXIMUM PEAK STAGE			13.51	May 14
ANNUAL RUNOFF (CFSM)	1.25		1.38	15.22
ANNUAL RUNOFF (INCHES)	17.03		18.71	1.03
10 PERCENT EXCEEDS	2150		2480	14.00
50 PERCENT EXCEEDS	811		1060	618
90 PERCENT EXCEEDS	378		226	218

e Estimated

03331500 TIPPECANOE RIVER NEAR ORA, IN--Continued



03331753 TIPPECANOE RIVER AT WINAMAC, IN

LOCATION.--Lat 41°02'59", long 86°35'58", in SW<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub> sec.13, T.30 N., R.R W., Pulaski County, Hydrologic Unit 05120106, (WINAMAC, IN quadrangle), on the northeast corner of the Washington Street bridge in Winamac, 0.3 mi downstream of the city park, 2 mi north of U.S. Highway 35 bridge, and at mile 70.3.

DRAINAGE AREA.--942 mi<sup>2</sup>.

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

GAGE.--Water-stage recorder. Datum of gage is 674.19 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except for Oct. 1 - July 30 and estimated daily discharges, which are poor.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	323	2260	1280	e950	1890	1210	2290	1990	1370	588	432	234
2	312	2090	1480	e931	2460	1190	2430	1910	1310	548	439	231
3	312	1940	1410	e914	2920	1350	2520	1960	1240	509	442	228
4	342	1870	1330	e899	3030	1640	2570	2060	1220	480	390	225
5	365	1790	1270	e885	2780	1710	2640	1950	1250	451	353	218
6	407	1690	1220	e870	2490	1600	2600	1760	1330	426	329	213
7	536	1600	1170	e855	2210	1610	2430	1640	1340	404	309	209
8	558	1520	1120	e846	1990	1740	2280	1550	1280	384	288	206
9	530	1450	1080	e850	1780	1900	2340	1500	1200	399	271	204
10	490	1390	1040	842	1620	2110	2470	1580	1140	403	260	202
11	470	1310	1010	824	1510	2390	2810	1750	1100	384	253	200
12	634	1240	989	812	1410	2560	2840	2140	1060	364	246	194
13	1220	1190	991	798	1330	2410	2690	2850	1030	354	242	191
14	1770	1150	1050	785	1270	2170	2630	3610	979	348	250	193
15	2020	1120	1220	770	1220	2010	2810	4260	944	333	252	195
16	2410	1080	1500	762	1180	1870	2750	4280	905	306	258	195
17	2700	1050	1580	747	1130	1730	2550	4030	859	291	284	194
18	2800	1020	1760	729	1100	1610	2300	3690	828	293	292	195
19	2930	987	2060	708	1110	1500	2140	3340	805	311	334	197
20	2930	974	2160	686	1300	1430	1980	3060	776	312	393	228
21	2780	936	2040	672	1590	1360	1890	2750	742	304	377	247
22	2740	903	1900	660	1680	1290	1860	2480	699	311	354	238
23	2680	880	1800	654	1570	1240	1820	2290	663	323	342	226
24	2910	864	1690	658	1460	1200	1790	2100	634	313	318	223
25	3360	842	1590	681	1370	1190	1740	1960	604	296	304	210
26	3580	864	1470	692	1330	1200	1670	1840	716	301	298	196
27	3550	857	1360	680	1300	1200	1640	1740	702	295	287	191
28	3380	838	1300	667	1270	1200	1760	1670	643	292	269	190
29	3100	837	1250	667	---	1240	1920	1590	620	330	264	188
30	2790	963	e1200	730	---	1530	2030	1550	615	412	261	187
31	2500	---	e970	1130	---	1980	---	1470	---	486	243	---
TOTAL	57429	37505	43290	24354	47300	50370	68190	72350	28604	11551	9634	6248
MEAN	1853	1250	1396	785.6	1689	1625	2273	2334	953.5	372.6	310.8	208.3
MAX	3580	2260	2160	1130	3030	2560	2840	4280	1370	588	442	247
MIN	312	837	970	654	1100	1190	1640	1470	604	291	242	187
CFSM	1.97	1.33	1.48	0.83	1.79	1.72	2.41	2.48	1.01	0.40	0.33	0.22
IN.	2.27	1.48	1.71	0.96	1.87	1.99	2.69	2.86	1.13	0.46	0.38	0.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2002, BY WATER YEAR (WY)

	2001	2002	2001	2002	2001	2002	2001	2002	2001	2002	2001	2002
MEAN	1853	1250	1396	785.6	1689	1625	2273	2334	953.5	372.6	310.8	208.3
MAX	1853	1250	1396	786	1689	1625	2273	2334	953	373	311	208
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002
MIN	1853	1250	1396	786	1689	1625	2273	2334	953	373	311	208
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002

SUMMARY STATISTICS

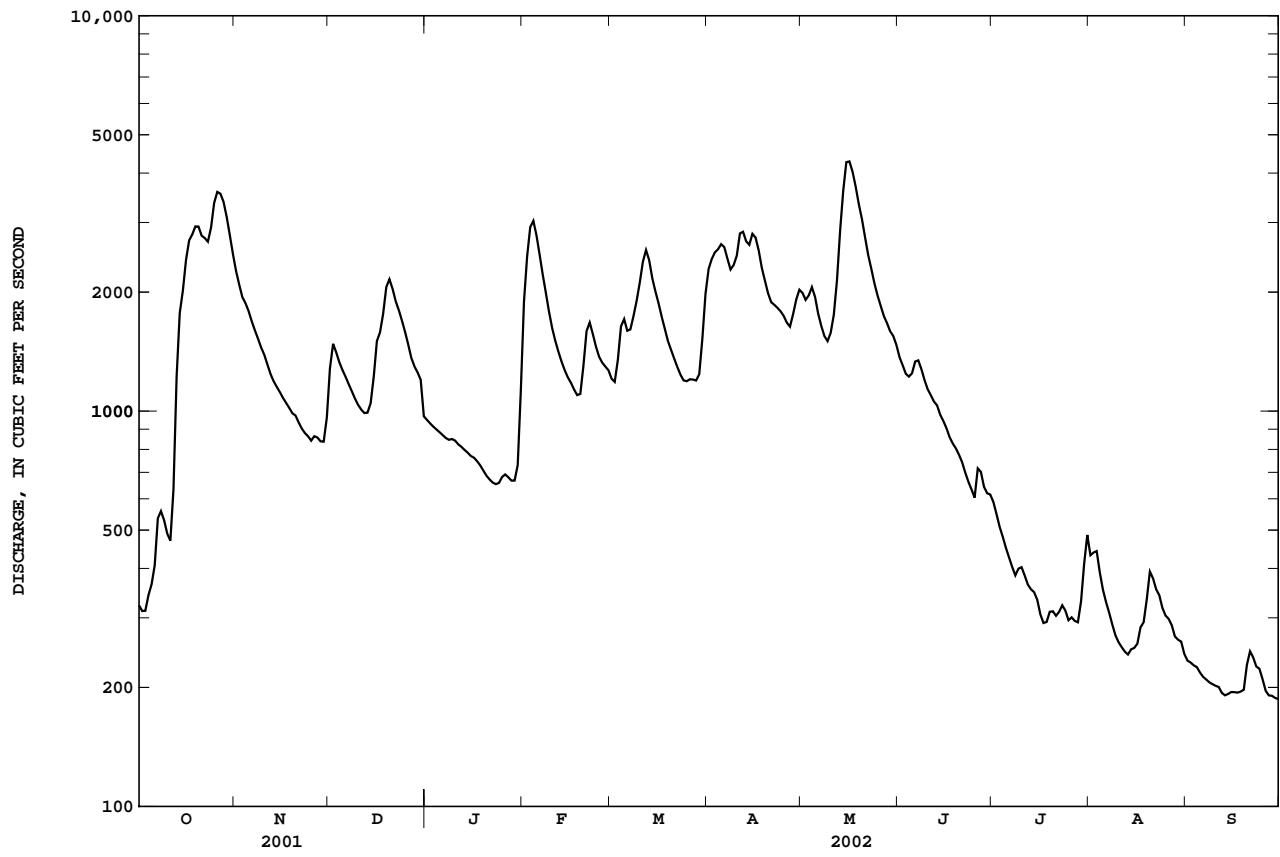
FOR 2002 WATER YEAR

WATER YEARS 2001 - 2002

ANNUAL TOTAL	456825		
ANNUAL MEAN	1252	1252	
HIGHEST ANNUAL MEAN		1252	2002
LOWEST ANNUAL MEAN		1252	2002
HIGHEST DAILY MEAN	4280	4280	May 16 2002
LOWEST DAILY MEAN	187		Sep 30
ANNUAL SEVEN-DAY MINIMUM	194		Sep 12
MAXIMUM PEAK FLOW	4600	4600	May 16 2002
MAXIMUM PEAK STAGE	11.48	11.48	May 16 2002
ANNUAL RUNOFF (CFSM)	1.33	1.33	
ANNUAL RUNOFF (INCHES)	18.04	18.05	
10 PERCENT EXCEEDS	2550	2550	
50 PERCENT EXCEEDS	1140	1140	
90 PERCENT EXCEEDS	256	256	

e Estimated

03331753 TIPPECANOE RIVER AT WINAMAC, IN--Continued





03333050 TIPPECANOE RIVER NEAR DELPHI, IN

LOCATION.--Lat 40°35'38", long 86°46'12", in SW<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub> sec.21, T.25 N., R.3 W., Carroll County, Hydrologic Unit 05120106, (BROOKSTON, IN quadrangle), on left bank 20 ft upstream from bridge on State Highway 18, 1,400 ft east of Springboro, 5 mi west of Delphi, 8.1 mi downstream from Big Creek, and at mile 8.7.

DRAINAGE AREA.--1,869 mi<sup>2</sup>.

PERIOD OF RECORD.--March to December 1903, March to December 1904, March 1905 to July 1906, November and December 1908, July 1939 to September 1987, October 1987 to current year. Published as "at Springboro" 1903-08. Published as "03333000 Tippecanoe River near Delphi:" July 1939 to September 1987.

REVISED RECORDS.--WSP 973: 1942. WSP 1335: 1905-6. WSP 2109: Drainage area. WDR IN-92-1: 1988-1991 (above 5900 ft<sup>3</sup>/s). WDR-IN-94-1: 1991 (maximum discharge).

GAGE.--Water-stage recorder. Datum of gage is 535.00 ft above National Geodetic Vertical Datum of 1929. Mar. 14, 1903 to July 20, 1906, and Nov. 2 to Dec. 31, 1908, nonrecording gage at present site at different datum. July 1939 to Sept. 30, 1987, at site 6.4 mi upstream at datum 17.01 ft higher.

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	630	3880	3490	1620	9760	2620	5480	3930	2310	998	668	403
2	525	3710	3110	1560	7390	2560	5160	5040	2200	998	1060	401
3	487	3380	2820	1830	5760	4510	5530	4540	2130	998	1130	361
4	400	3420	2580	1880	5710	4600	5040	3860	2070	977	1030	354
5	767	3130	2420	1690	4490	3800	4650	3750	2520	680	788	469
6	1030	2930	2250	1880	4390	3570	4500	3210	2220	678	565	295
7	679	2570	2140	1690	3680	5120	4070	3080	2350	832	646	278
8	822	2800	1980	1750	3540	4380	4220	3040	2420	859	517	352
9	892	2400	2030	1520	3140	5920	6410	3230	2220	1010	472	351
10	938	2470	1750	1520	2870	7010	5670	3500	1930	1670	461	474
11	932	2280	1810	1680	2730	5140	5070	3250	2040	897	528	339
12	2010	2130	2010	1290	2470	4770	4860	8760	2330	673	421	274
13	3840	2690	1940	1580	2540	4640	5360	10800	2290	612	456	271
14	7690	2600	2380	1330	2320	4180	4870	8440	2130	612	554	271
15	8510	1910	3640	1510	2140	4000	4350	7580	1870	745	564	274
16	7360	1300	3810	1210	2200	3550	4470	7030	1930	704	429	397
17	8170	1200	4810	1320	2150	3230	3980	6910	1470	584	486	398
18	6430	1850	5680	1260	1860	3150	3920	6400	1580	585	479	389
19	5120	1860	4630	1310	2430	2760	3510	5550	1460	452	658	269
20	5100	1580	4120	1310	6120	2740	3150	4950	1480	592	754	320
21	4690	1660	4100	1310	6080	2670	3120	4360	1440	675	705	789
22	6090	1660	3390	1010	4820	2220	3340	4030	1440	597	681	479
23	8010	1650	3410	1200	4030	2480	2940	3770	1320	1200	892	274
24	8080	1230	3290	1280	3430	2250	3060	3680	1150	848	625	390
25	8210	1670	2910	1180	3110	2620	3010	3270	1050	575	774	390
26	7940	1590	2720	1140	3020	2260	3050	3120	1440	584	366	386
27	6030	1420	2380	1300	2860	2180	2770	3050	1380	544	577	506
28	5480	1530	2480	1120	2740	2590	5960	2810	1300	526	445	390
29	5200	1480	2170	1240	---	3230	4980	2700	1200	599	286	305
30	4560	2640	1620	1700	---	6350	4180	2700	1080	1180	446	277
31	4040	---	1810	5290	---	7060	---	2570	---	1030	481	---
TOTAL	130662	66620	89680	48510	107780	118160	130680	142910	53750	24514	18944	11126
MEAN	4215	2221	2893	1565	3849	3812	4356	4610	1792	790.8	611.1	370.9
MAX	8510	3880	5680	5290	9760	7060	6410	10800	2520	1670	1130	789
MIN	400	1200	1620	1010	1860	2180	2770	2570	1050	452	286	269
CFSM	2.26	1.19	1.55	0.84	2.06	2.04	2.33	2.47	0.96	0.42	0.33	0.20
IN.	2.60	1.33	1.78	0.97	2.15	2.35	2.60	2.84	1.07	0.49	0.38	0.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2002, BY WATER YEAR (WY)

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MEAN	1343	1569	1901	2551	2600	3038	3152	2479	2287	1678	1158	999.1			
MAX	4215	4120	3819	6854	4774	5184	4958	4610	4324	3901	4849	3092			
(WY)	2002	1993	1991	1993	1997	1998	1994	2002	1997	1998	1990	1993			
MIN	369	453	572	540	762	811	1216	983	493	360	308	325			
(WY)	1996	2000	1996	2000	1996	1996	2000	1988	1988	1988	1988	1999			

SUMMARY STATISTICS

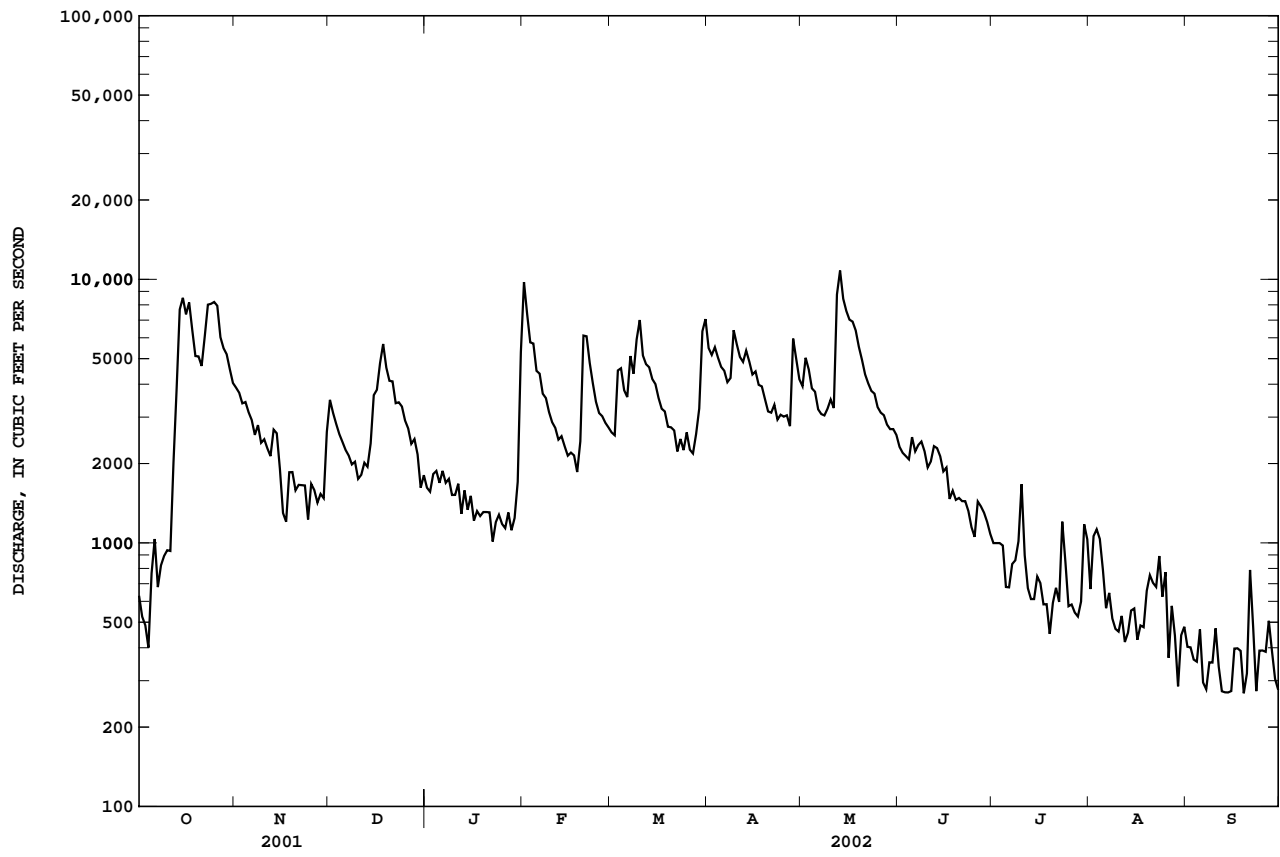
FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

WATER YEARS 1988 - 2002

ANNUAL TOTAL	806153	943336		
ANNUAL MEAN	2209	2584		
HIGHEST ANNUAL MEAN			3046	1993
LOWEST ANNUAL MEAN			954	2000
HIGHEST DAILY MEAN	9090	Feb 25	10800	May 13
LOWEST DAILY MEAN	352	Aug 10	269	Sep 19
ANNUAL SEVEN-DAY MINIMUM	475	Aug 10	318	Sep 11
MAXIMUM PEAK FLOW			12600	May 12
MAXIMUM PEAK STAGE			10.08	May 12
ANNUAL RUNOFF (CFSM)	1.18		1.38	
ANNUAL RUNOFF (INCHES)	16.05		18.78	
10 PERCENT EXCEEDS	4650		5410	4340
50 PERCENT EXCEEDS	1730		2150	1500
90 PERCENT EXCEEDS	697		471	470

03333050 TIPPECANOE RIVER NEAR DELPHI, IN--Continued



03333450 WILDCAT CREEK NEAR JEROME, IN

LOCATION.--Lat 40°26'29", long 85°55'08", in NE<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub> sec.14, T.23 N., R.5 E., Howard County, Hydrologic Unit 05120107, (GREENTOWN, IN quadrangle), on right bank at downstream side of bridge on County Road 1100 East, 0.5 mi downstream from Mud Creek, 1.5 mi southeast of Jerome, and at mile 79.9.

DRAINAGE AREA.--146 mi<sup>2</sup>.

PERIOD OF RECORD.--July 1961 to current year.

REVISED RECORDS.--WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 820.04 ft above National Geodetic Vertical Datum of 1929.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of about 18 ft, from information by local residents.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	130	465	e50	1640	100	644	385	131	21	7.6	3.5
2	19	117	256	e47	1010	158	445	301	114	20	6.8	3.4
3	18	101	178	e44	568	735	367	212	106	19	6.4	3.2
4	17	91	138	e42	383	393	275	164	101	18	5.9	3.1
5	47	83	116	e40	237	229	216	139	110	17	5.6	2.9
6	262	77	103	e41	177	184	176	131	106	15	5.2	2.8
7	173	71	92	e40	147	166	153	173	87	14	5.2	2.9
8	103	70	82	e39	121	143	179	283	76	13	4.9	2.8
9	72	61	71	40	107	360	397	290	69	15	4.8	2.7
10	59	59	62	39	105	609	313	206	65	19	4.5	2.8
11	150	55	57	34	111	311	232	164	63	17	4.5	2.5
12	1410	46	54	32	115	234	205	526	62	13	4.7	2.7
13	1030	44	68	33	97	193	562	3560	60	12	5.0	2.5
14	1240	44	306	32	83	163	436	2060	70	11	6.4	2.8
15	1180	42	772	31	84	151	312	1010	64	9.9	6.6	3.2
16	1240	41	469	27	79	241	230	614	54	9.2	5.6	3.5
17	1300	37	1340	26	69	229	184	444	47	8.8	4.9	3.5
18	712	36	1440	24	57	183	153	335	42	9.2	4.8	3.5
19	479	38	747	25	67	148	138	252	38	11	10	4.2
20	339	37	459	25	223	145	121	199	34	13	11	10
21	253	34	309	26	410	122	132	165	32	11	7.8	15
22	204	34	238	25	252	105	170	144	32	9.0	6.6	9.7
23	285	31	211	24	179	102	126	134	32	8.7	34	6.5
24	980	32	169	26	146	96	116	124	31	8.2	29	4.5
25	1330	38	133	24	129	94	118	122	31	7.6	22	3.7
26	732	32	118	21	126	88	105	264	33	8.8	12	3.5
27	427	30	108	21	113	83	173	172	33	13	7.6	6.5
28	290	29	98	22	105	90	1650	415	31	10	5.6	9.3
29	218	42	81	24	---	373	1070	355	26	9.3	4.7	7.3
30	168	500	e62	37	---	1610	576	209	23	11	4.0	6.1
31	143	---	e54	543	---	1150	---	158	---	8.7	3.6	---
TOTAL	14899	2082	8856	1504	6940	8988	9974	13710	1803	390.4	257.3	140.6
MEAN	480.6	69.40	285.7	48.52	247.9	289.9	332.5	442.3	60.10	12.59	8.300	4.687
MAX	1410	500	1440	543	1640	1610	1650	3560	131	21	34	15
MIN	17	29	54	21	57	83	105	122	23	7.6	3.6	2.5
CFSM	3.29	0.48	1.96	0.33	1.70	1.99	2.28	3.03	0.41	0.09	0.06	0.03
IN.	3.80	0.53	2.26	0.38	1.77	2.29	2.54	3.49	0.46	0.10	0.07	0.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2002, BY WATER YEAR (WY)

	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002							
MEAN	51.44	109.9	157.7	156.5	208.3	274.5	226.1	160.9	138.8	97.69	41.85	43.18																																				
MAX	481	834	622	687	649	793	689	460	720	692	401	589																																				
(WY)	2002	1993	1991	1974	1976	1982	1964	1996	1998	1992	1998	1989																																				
MIN	1.72	1.53	2.32	1.02	11.2	31.5	16.5	17.9	8.20	7.00	2.86	0.88																																				
(WY)	1967	2000	2000	1977	1963	2000	2000	1976	1988	1994	1999	1999																																				

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

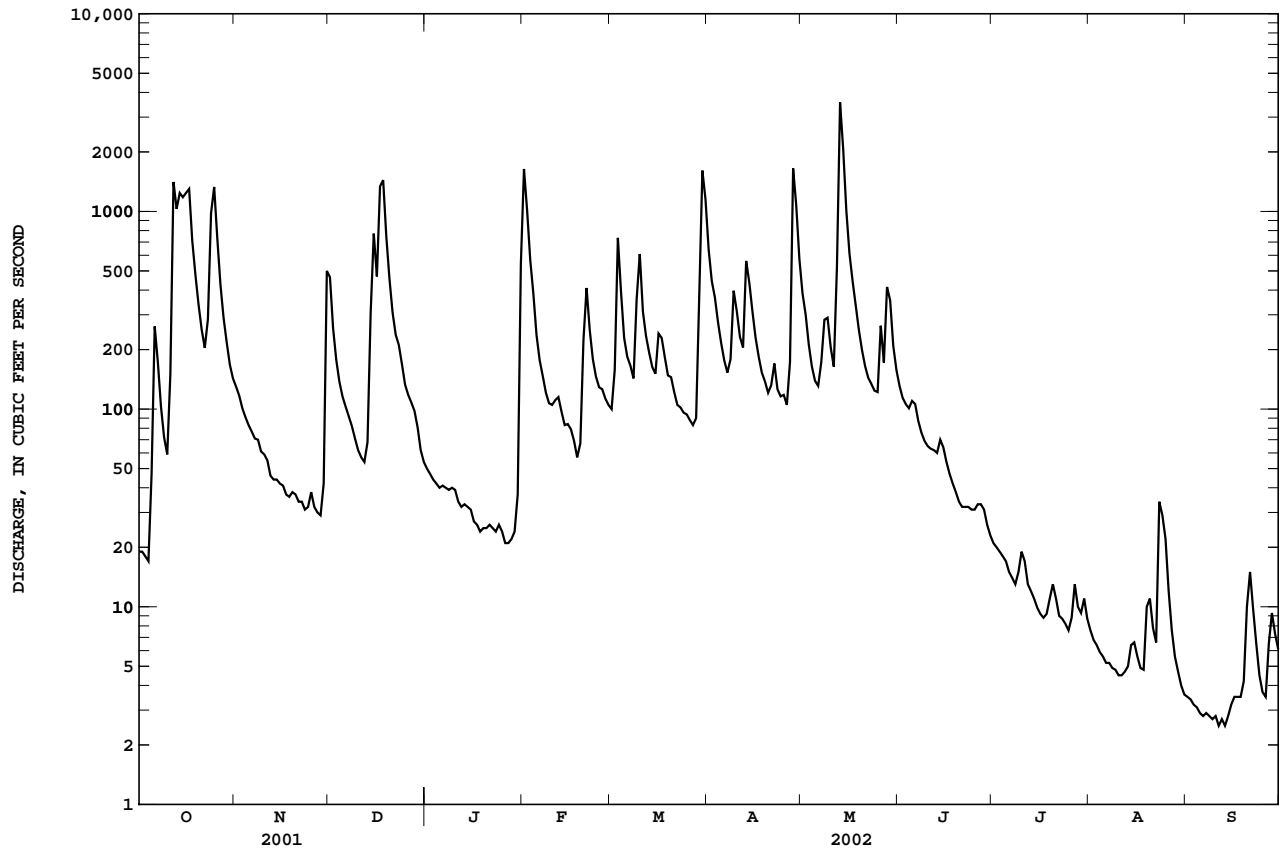
FOR 2002 WATER YEAR

WATER YEARS 1962 - 2002

ANNUAL TOTAL	69312.3	69544.3	
ANNUAL MEAN	189.9	190.5	138.5
HIGHEST ANNUAL MEAN			253
LOWEST ANNUAL MEAN			37.7
HIGHEST DAILY MEAN	2350	Feb 10	3560
LOWEST DAILY MEAN	6.6	Sep 6	2.5
ANNUAL SEVEN-DAY MINIMUM	9.5	Aug 31	2.7
MAXIMUM PEAK FLOW			3980
MAXIMUM PEAK STAGE			11.20
ANNUAL RUNOFF (CFSM)	1.30		1.31
ANNUAL RUNOFF (INCHES)	17.66		17.72
10 PERCENT EXCEEDS	503		461
50 PERCENT EXCEEDS	74		71
90 PERCENT EXCEEDS	22		5.6

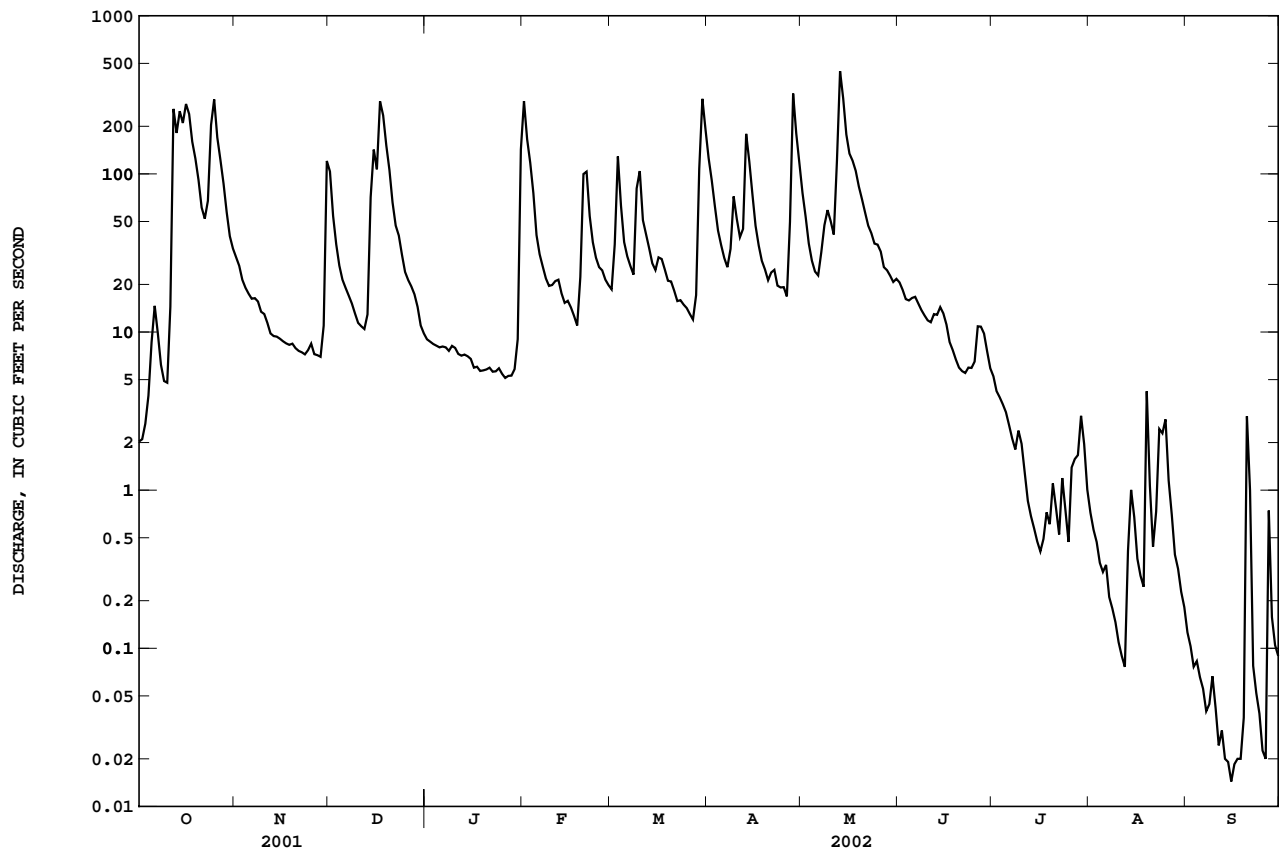
e Estimated

03333450 WILDCAT CREEK NEAR JEROME, IN--Continued





03333600 KOKOMO CREEK NEAR KOKOMO, IN--Continued



03333700 WILDCAT CREEK AT KOKOMO, IN

LOCATION.--Lat 40°28'15", long 86°09'11", in SW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> sec.2, T.23 N., R.3 E., Howard County, Hydrologic Unit 05120107, (KOKOMO WEST, IN quadrangle), on right bank on property of Kokomo Sewage Treatment Plant in Kokomo, 250 ft downstream from Kokomo Creek, 1.0 mi upstream from Dixon Road bridge, and at mile 62.9.

DRAINAGE AREA.--242 mi<sup>2</sup>.

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

REVISED RECORDS.--WSP 2109: Drainage area. WDR-IN-83: 1980, 1981(P), 1982. WDR-IN-88: 1986(P), 1987 (M).

GAGE.--Water-stage recorder. Datum of gage is 775.62 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources). Prior to May 9, 1986, recording gage at site 0.4 mi downstream at present datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Some regulation by Kokomo Reservoirs Nos. 1 and 2, (combined capacity 4,170 acre-ft, used for municipal water supply) and by Kokomo Sewage Treatment Plant.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	102	240	873	115	2030	196	1170	722	193	44	36	34
2	101	245	526	107	1890	246	817	528	167	43	40	34
3	98	198	348	105	1070	867	640	399	175	40	34	35
4	84	169	270	100	727	827	485	299	148	39	33	34
5	125	158	220	e98	467	459	378	249	779	37	37	29
6	82	149	193	e96	340	334	314	234	343	35	34	29
7	64	144	166	e93	273	294	266	268	211	34	32	26
8	77	147	147	93	234	258	377	164	164	32	33	23
9	131	138	130	91	204	505	671	426	141	51	32	23
10	144	137	114	90	198	982	617	361	123	33	31	22
11	259	132	106	87	202	654	431	286	117	32	31	22
12	1630	130	108	83	194	433	584	560	115	29	31	20
13	1760	133	120	81	194	353	1270	2880	132	26	37	22
14	1690	158	361	81	160	302	969	3390	115	24	46	22
15	1820	112	1100	80	146	277	660	1670	110	25	37	23
16	1800	135	926	75	147	315	471	1030	101	24	33	22
17	1970	117	1670	71	139	365	361	759	84	24	31	25
18	1290	70	2190	68	122	318	298	552	76	24	30	24
19	859	71	1430	66	275	270	257	421	70	24	133	38
20	605	68	887	65	517	246	229	328	63	25	57	165
21	450	59	594	66	755	224	278	272	59	22	50	44
22	417	61	439	66	570	189	262	230	58	21	99	26
23	487	64	366	65	382	157	241	207	55	52	84	21
24	1370	81	316	66	300	80	221	195	54	37	92	19
25	2090	70	262	64	256	79	204	197	54	34	61	18
26	1420	70	222	61	267	77	195	264	68	53	51	18
27	836	65	201	59	228	94	455	269	64	41	47	74
28	548	65	185	59	209	114	1950	326	58	37	46	25
29	400	119	161	81	---	571	1950	543	54	104	44	18
30	323	586	133	110	---	1990	1080	318	48	54	38	16
31	269	---	124	712	---	1920	---	232	---	39	34	---
TOTAL	23301	4091	14888	3154	12496	13996	18081	18792	3999	1139	1454	951
MEAN	751.6	136.4	480.3	101.7	446.3	451.5	602.7	606.2	133.3	36.74	46.90	31.70
MAX	2090	586	2190	712	2030	1990	1950	3390	779	104	133	165
MIN	64	59	106	59	122	77	195	195	48	21	30	16
CFSM	3.11	0.56	1.98	0.42	1.84	1.87	2.49	2.50	0.55	0.15	0.19	0.13
IN.	3.58	0.63	2.29	0.48	1.92	2.15	2.78	2.89	0.61	0.18	0.22	0.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2002, BY WATER YEAR (WY)

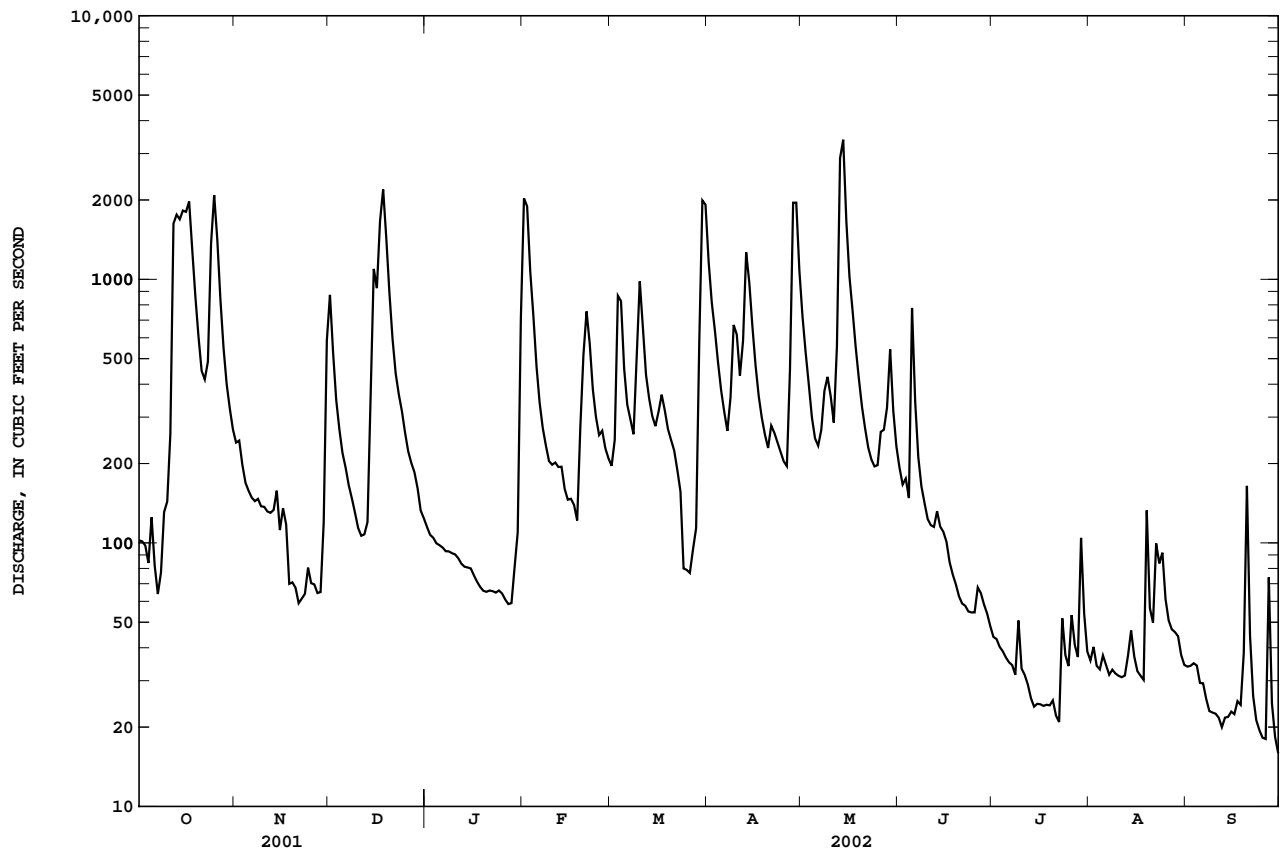
	MEAN	MAX	MIN	(WY)
MEAN	96.77	189.5	256.6	256.9
MAX	752	1387	968	1375
(WY)	2002	1993	1991	1974
MIN	11.2	15.5	13.8	15.6
(WY)	1957	1957	1964	2000

SUMMARY STATISTICS

	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1956 - 2002
ANNUAL TOTAL	114744	116342	
ANNUAL MEAN	314.4	318.7	240.3
HIGHEST ANNUAL MEAN			444
LOWEST ANNUAL MEAN			84.8
HIGHEST DAILY MEAN	3080	Feb 10	3390
LOWEST DAILY MEAN	29	Sep 6	16
ANNUAL SEVEN-DAY MINIMUM	37	Aug 15	22
MAXIMUM PEAK FLOW			4220
MAXIMUM PEAK STAGE			11.72
ANNUAL RUNOFF (CFSM)	1.30		1.32
ANNUAL RUNOFF (INCHES)	17.64		17.88
10 PERCENT EXCEEDS	879		831
50 PERCENT EXCEEDS	141		137
90 PERCENT EXCEEDS	51		31

e Estimated

03333700 WILDCAT CREEK AT KOKOMO, IN--Continued





03334000 WILDCAT CREEK AT OWASCO, IN

LOCATION.--Lat 40°27'50", long 86°38'15", in SE<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub> sec.4, T.23 N., R.2 W., Carroll County, Hydrologic Unit 05120107, (PYRMONT, IN quadrangle), on left bank 200 ft downstream from bridge on State Highway 39, 0.5 mi northwest of Owasco, 8.7 mi south of Delphi, and 15 mi upstream from South Fork Wildcat Creek.

DRAINAGE AREA.--396 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1943 to September 1973. Annual maximum, water years 1975-81. October 1988 to current year. Prior to March 1944 monthly discharge only, published in WSP 1305.

REVISED RECORDS.--WSP 1625: 1958. WSP 2109: Drainage area. WDR 94-1: 1988-1993 (Peak of record).

GAGE.--Water-stage recorder. Datum of gage is 624.63 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1950, nonrecording gage at site 500 ft upstream at same datum.

REMARKS.--Records good except those for Feb. 21 - Apr. 24 and estimated daily discharges, which are poor. Some regulation at low stages for municipal water supply by Kokomo Water Company since 1955.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 18, 1943, reached a stage of 14.00 ft, from floodmarks.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	136	454	1030	e239	2030	390	2220	1320	369	118	83	62
2	135	422	908	e227	2620	394	1350	958	329	108	93	57
3	133	420	627	e217	2140	620	1030	737	301	104	93	58
4	129	368	496	e210	1270	1110	820	588	327	99	76	57
5	136	342	427	e203	882	880	669	497	1650	92	65	54
6	206	316	382	e197	641	617	569	450	1270	90	64	54
7	174	297	351	e191	523	516	502	455	657	85	69	53
8	130	286	317	e189	450	474	520	514	475	75	63	50
9	123	287	290	187	403	515	913	627	392	84	59	46
10	180	269	260	183	376	1130	1060	650	343	101	60	42
11	207	259	238	175	373	1140	812	531	299	95	57	39
12	1050	249	226	171	370	766	715	677	311	79	54	37
13	2010	242	243	166	353	626	1900	1730	725	75	53	36
14	2400	242	304	159	339	552	1860	3010	650	67	66	36
15	2280	260	951	160	307	498	1300	3870	415	61	75	37
16	2330	218	1250	153	282	475	924	1990	336	58	76	37
17	2530	237	1650	149	277	506	708	1270	274	59	66	37
18	2290	216	2580	140	259	524	588	984	233	57	59	36
19	1430	170	2610	135	284	473	514	764	207	58	125	37
20	991	168	1560	135	900	437	463	631	187	61	172	44
21	746	161	1040	130	1180	413	446	532	169	58	112	191
22	676	148	767	132	1060	372	502	467	156	55	96	118
23	695	145	642	133	780	346	458	423	150	114	170	72
24	1130	154	553	132	601	307	422	393	143	86	175	57
25	2260	178	491	130	511	237	422	373	148	81	132	49
26	2550	162	428	130	477	231	387	379	177	71	115	47
27	1530	156	394	123	462	223	469	430	174	77	89	49
28	953	153	368	119	412	252	2020	458	151	88	81	104
29	712	167	339	126	---	435	2820	571	137	80	77	74
30	584	532	286	194	---	1670	2320	585	131	138	73	53
31	506	---	e259	633	---	2660	---	433	---	121	72	---
TOTAL	31342	7678	22267	5568	20562	19789	29703	27297	11286	2595	2720	1723
MEAN	1011	255.9	718.3	179.6	734.4	638.4	990.1	880.5	376.2	83.71	87.74	57.43
MAX	2550	532	2610	633	2620	2660	2820	3870	1650	138	175	191
MIN	123	145	226	119	259	223	387	373	131	55	53	36
CFSM	2.55	0.65	1.81	0.45	1.85	1.61	2.50	2.22	0.95	0.21	0.22	0.15
IN.	2.94	0.72	2.09	0.52	1.93	1.86	2.79	2.56	1.06	0.24	0.26	0.16

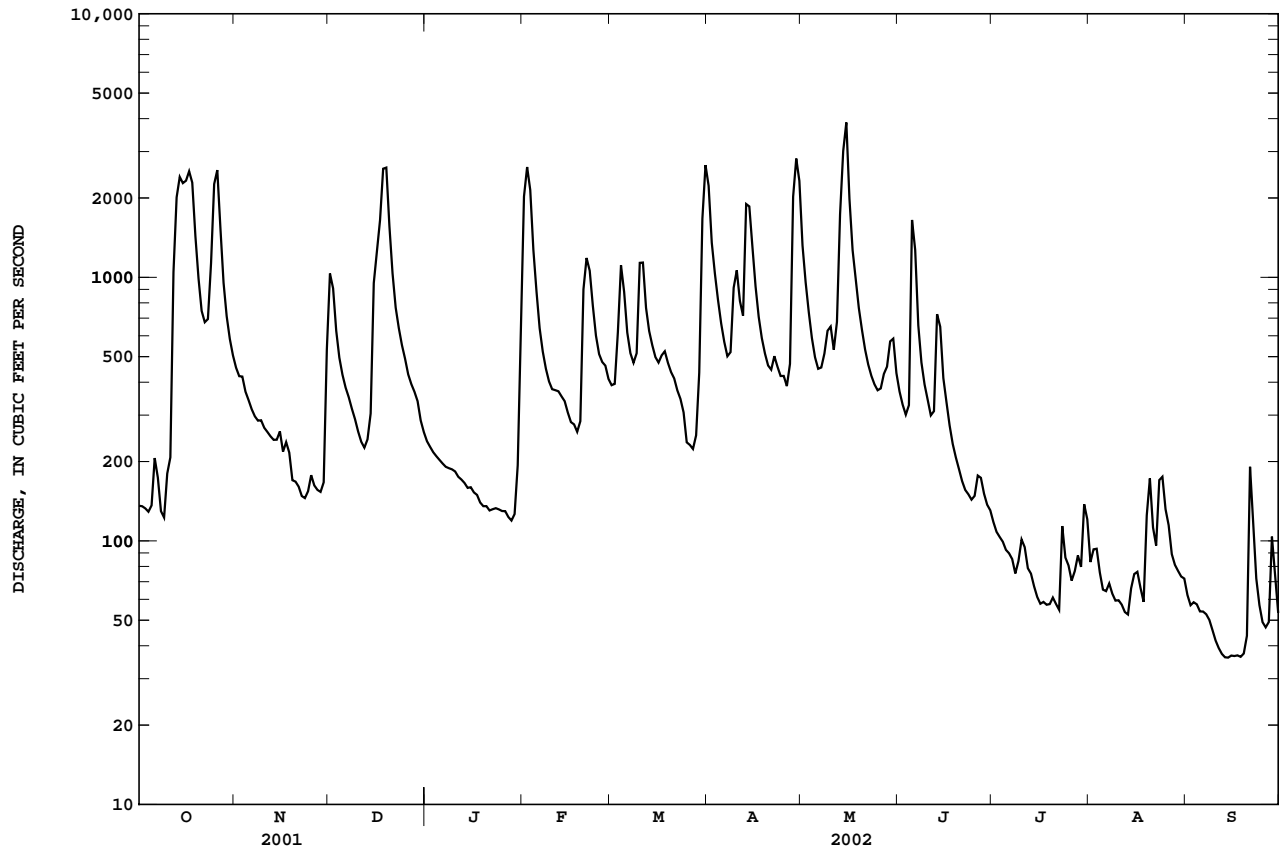
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2002, BY WATER YEAR (WY)

MEAN	163.5	257.6	332.9	527.1	524.7	620.9	684.5	459.9	406.2	299.5	142.3	133.1
MAX	1011	2024	1325	3083	1725	1301	1857	1108	2536	1589	707	1339
(WY)	2002	1993	1958	1950	1959	1997	1957	1996	1958	1992	1958	1989
MIN	20.0	30.3	25.9	24.6	50.0	95.4	67.6	120	84.8	41.5	37.1	20.6
(WY)	1945	1945	1945	1945	1963	2000	2000	1954	1949	1954	1954	1954

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1945 - 2002
ANNUAL TOTAL	158503	182530	
ANNUAL MEAN	434.3	500.1	378.5
HIGHEST ANNUAL MEAN			733
LOWEST ANNUAL MEAN			104
HIGHEST DAILY MEAN	2960	3870	9850
LOWEST DAILY MEAN	55	36	12
ANNUAL SEVEN-DAY MINIMUM	62	37	15
MAXIMUM PEAK FLOW		4100	10800
MAXIMUM PEAK STAGE		8.00	13.30
ANNUAL RUNOFF (CFSM)	1.10	1.26	0.96
ANNUAL RUNOFF (INCHES)	14.89	17.15	12.99
10 PERCENT EXCEEDS	1040	1260	895
50 PERCENT EXCEEDS	242	287	164
90 PERCENT EXCEEDS	91	61	41

e Estimated

03334000 WILDCAT CREEK AT OWASCO, IN--Continued



03334500 SOUTH FORK WILDCAT CREEK NEAR LAFAYETTE, IN

LOCATION.--Lat 40°25'04", long 86°46'05", in SW<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub> sec.21, T.23 N., R.3 W., Tippecanoe County, Hydrologic Unit 05120107, (LAFAYETTE EAST, IN quadrangle), on right bank 40 ft upstream from bridge on State Highway 26, 0.5 mi upstream from Middle Fork, 4.4 mi upstream from mouth, and 5 mi east of Lafayette.

DRAINAGE AREA.--243 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1943 to current year. Prior to March 1944 monthly discharge only, published in WSP 1305.

REVISED RECORDS.--WSP 1335: 1948(M). WSP 1505: 1947. WSP 1725: 1951-53(M), 1955(M). WSP 1909: 1955(P). WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 566.60 ft above National Geodetic Vertical Datum of 1929 (Indiana Department of Highways bench mark). Prior to July 29, 1954, nonrecording gage at site 40 ft downstream at same datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. At times peaks affected by backwater from Middle Fork.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in May 1943 reached a stage of 16.8 ft, from floodmarks, discharge, 17,900 ft<sup>3</sup>/s by contracted-opening measurement.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	238	814	e139	2120	228	892	643	198	133	58	54
2	36	219	516	e136	1510	264	643	511	189	119	57	52
3	35	203	376	e132	878	612	498	403	181	110	100	49
4	33	174	302	e127	610	506	393	330	180	102	73	48
5	39	161	252	e123	436	360	333	289	354	94	60	46
6	65	151	222	e120	343	299	289	267	237	88	54	44
7	78	143	199	e117	287	272	254	324	188	82	51	43
8	69	137	179	e112	242	247	290	437	167	77	49	42
9	60	132	164	114	208	416	707	509	179	87	47	41
10	54	123	150	115	191	909	672	447	196	114	45	40
11	61	119	140	110	192	550	470	325	155	92	44	39
12	760	112	134	104	200	411	440	969	158	78	43	39
13	1130	105	145	103	193	347	2890	3320	196	74	43	39
14	1850	103	213	102	168	308	1530	2560	360	69	52	38
15	1590	101	765	101	161	278	913	1390	270	65	54	40
16	1510	100	612	96	158	277	675	909	212	63	54	39
17	1580	96	1700	93	147	302	533	727	177	62	47	39
18	1060	92	1970	90	134	283	399	634	157	68	45	39
19	733	91	1220	88	176	248	324	524	143	63	125	39
20	556	92	765	88	838	238	285	439	133	60	144	46
21	438	89	549	87	1050	223	292	374	125	57	74	82
22	361	87	445	87	659	199	323	325	120	54	64	64
23	334	85	394	87	460	188	278	295	117	112	575	52
24	495	88	332	88	368	186	252	272	112	89	291	46
25	1480	105	274	86	314	193	285	254	126	70	202	43
26	1080	97	237	83	299	188	265	278	629	64	145	41
27	663	90	218	81	276	181	362	273	369	62	105	44
28	475	89	203	80	240	196	2660	276	241	59	84	56
29	378	107	183	84	---	463	1540	249	181	59	71	47
30	313	532	153	117	---	1900	914	225	152	79	62	45
31	265	---	e144	563	---	1430	---	210	---	65	57	---
TOTAL	17618	4061	13970	3653	12858	12702	20601	18988	6202	2470	2975	1376
MEAN	568.3	135.4	450.6	117.8	459.2	409.7	686.7	612.5	206.7	79.68	95.97	45.87
MAX	1850	532	1970	563	2120	1900	2890	3320	629	133	575	82
MIN	33	85	134	80	134	181	252	210	112	54	43	38
CFSM	2.34	0.56	1.85	0.48	1.89	1.69	2.83	2.52	0.85	0.33	0.39	0.19
IN.	2.70	0.62	2.14	0.56	1.97	1.94	3.15	2.91	0.95	0.38	0.46	0.21

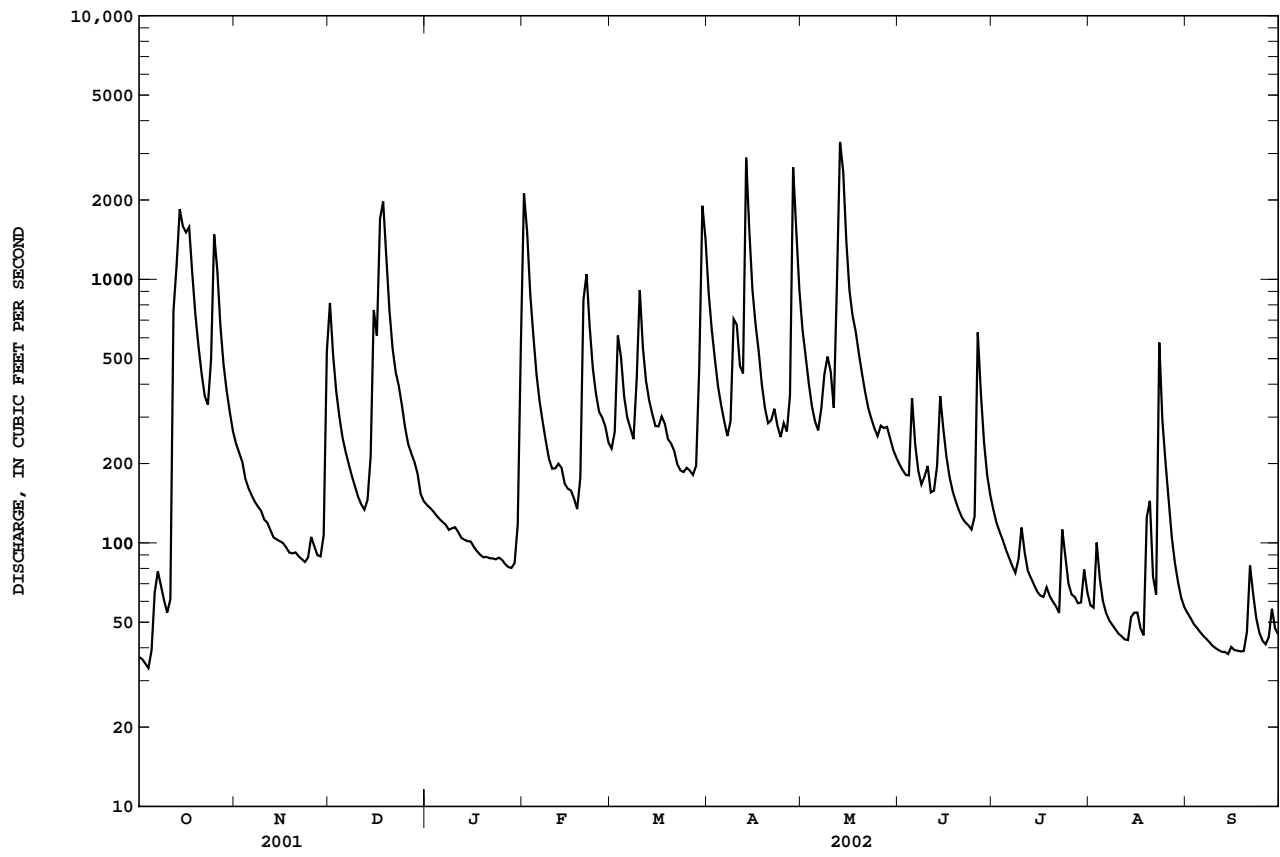
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2002, BY WATER YEAR (WY)

MEAN	101.8	170.8	239.1	291.5	340.2	408.9	402.6	305.8	284.2	167.5	97.98	94.86
MAX	568	1304	954	1808	929	1143	1172	881	1674	954	510	849
(WY)	2002	1993	1991	1950	1985	1982	1964	1983	1958	1992	1958	1989
MIN	22.9	27.2	23.5	19.5	37.5	62.6	45.9	67.6	40.6	26.2	18.3	18.0
(WY)	1964	2000	1964	1977	1963	2000	2000	1976	1977	1977	1944	1944

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1944 - 2002	
ANNUAL TOTAL	80705		117474			
ANNUAL MEAN	221.1		321.8		241.2	
HIGHEST ANNUAL MEAN					473	
LOWEST ANNUAL MEAN					79.2	
HIGHEST DAILY MEAN	1970	Dec 18	3320	May 13	11000	May 2 1983
LOWEST DAILY MEAN	33	Sep 5	33	Oct 4	15	Sep 19 1944
ANNUAL SEVEN-DAY MINIMUM	36	Sep 1	39	Sep 11	16	Sep 17 1944
MAXIMUM PEAK FLOW			3660	May 13	15100	May 2 1983
MAXIMUM PEAK STAGE			9.10	May 13	15.68	May 2 1983
ANNUAL RUNOFF (CFSM)	0.91		1.32		0.99	
ANNUAL RUNOFF (INCHES)	12.35		17.98		13.49	
10 PERCENT EXCEEDS	525		729		525	
50 PERCENT EXCEEDS	105		179		109	
90 PERCENT EXCEEDS	44		49		34	

e Estimated

03334500 SOUTH FORK WILDCAT CREEK NEAR LAFAYETTE, IN--Continued



WABASH RIVER BASIN

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03335000 WILDCAT CREEK NEAR LAFAYETTE, IN

LOCATION.--Lat 40°26'26", long 86°49'45", in SW<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub> sec.13, T.23 N., R.4 W., Tippecanoe County, Hydrologic Unit 05120107, (LAFAYETTE EAST, IN quadrangle), on right bank about 200 ft downstream of bridge on County Road 2A East, 2.8 mi downstream from South Fork Wildcat Creek, 3.7 mi northeast of courthouse in Lafayette, and 4.8 mi upstream from mouth.

DRAINAGE AREA.--794 mi<sup>2</sup>.

PERIOD OF RECORD.--May 1954 to current year.

REVISED RECORDS.--WSP 1555: 1955, 1957(M). WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 527.66 ft above National Geodetic Vertical Datum of 1929 (Indiana Flood Control and Water Resources Commission bench mark). Nonrecording gage prior to June 13, 1957, and August 31, 1974, to May 20, 1976, at present site and datum.

REMARKS.--Records fair except those for July 1 - Sept. 17 and estimated daily discharges, which are poor.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1913 reached a stage of about 25.4 ft, from profile by State of Indiana, Department of Natural Resources.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e287	820	e1720	e440	4930	729	3550	2530	681	396	230	179
2	e286	756	e1390	e420	4710	777	2350	1930	602	348	265	164
3	e275	718	e839	e410	3610	1430	1790	1510	567	329	291	147
4	e268	633	e709	e400	2270	1740	1440	1220	572	315	242	140
5	e279	576	e640	e390	1620	1440	1200	1020	2610	291	188	135
6	e356	535	e596	e380	1230	1080	1030	923	2380	280	165	124
7	e291	e509	e562	e370	1010	926	907	1070	1300	269	161	123
8	e253	e496	e527	e360	861	842	977	1250	926	258	156	129
9	e240	e500	e500	e370	743	1070	1850	1550	744	294	151	110
10	e230	e482	e476	361	676	2150	2030	1500	692	314	143	108
11	270	e473	e451	350	659	1860	1570	1190	579	295	142	100
12	1330	e464	e438	331	654	1400	1400	2060	555	247	130	96
13	3140	e455	e502	328	633	1140	5770	5700	1060	232	134	94
14	4680	e455	581	318	581	995	4390	6250	1850	220	153	97
15	4390	e478	1670	314	545	894	2830	5830	1150	210	205	102
16	4250	e429	2000	305	516	832	2040	3940	809	204	176	91
17	4570	e451	3760	292	493	874	1550	2480	641	194	165	92
18	3800	e431	5380	283	463	890	1240	2040	544	192	150	93
19	2620	e384	4380	270	560	792	1060	1660	477	221	425	92
20	1850	e382	2930	271	2100	745	941	1380	446	195	431	131
21	1430	e373	1960	261	2710	693	936	1160	411	182	292	210
22	1200	e362	1490	260	2070	633	1050	1000	385	171	223	288
23	1220	e360	1250	258	1530	575	901	904	386	425	950	179
24	1730	e364	1060	261	1200	562	848	827	373	291	700	145
25	4340	e391	913	255	1010	511	894	769	394	248	485	127
26	4130	e380	803	249	927	487	845	764	1500	208	396	120
27	2750	e371	717	241	887	471	1030	795	965	203	296	126
28	1760	e369	669	234	775	491	5790	898	645	216	248	149
29	1330	e382	607	253	---	983	5160	935	516	215	225	184
30	1080	e1400	e500	347	---	3970	4040	1000	457	270	203	142
31	932	---	e460	1430	---	4280	---	805	---	300	186	---
TOTAL	55567	15179	40480	11012	39973	36262	61409	56890	25217	8033	8307	4017
MEAN	1792	506.0	1306	355.2	1428	1170	2047	1835	840.6	259.1	268.0	133.9
MAX	4680	1400	5380	1430	4930	4280	5790	6250	2610	425	950	288
MIN	230	360	438	234	463	471	845	764	373	171	130	91
CFSM	2.26	0.64	1.64	0.45	1.80	1.47	2.58	2.31	1.06	0.33	0.34	0.17
IN.	2.60	0.71	1.90	0.52	1.87	1.70	2.88	2.67	1.18	0.38	0.39	0.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2002, BY WATER YEAR (WY)

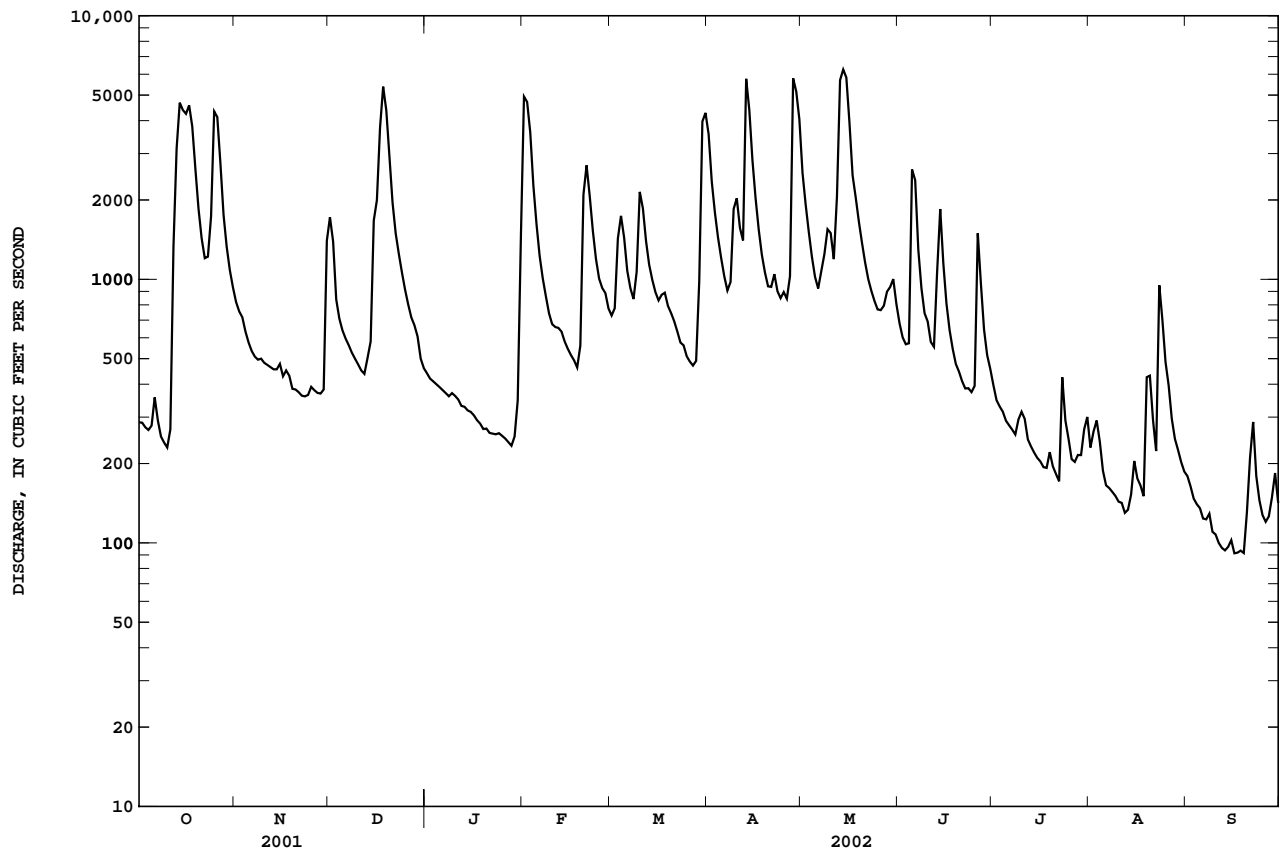
MEAN	325.0	567.9	800.9	812.0	1081	1367	1294	949.8	881.0	595.9	338.5	289.7
MAX	1792	3963	2474	3711	3227	3991	3657	2614	5210	2968	1511	2546
(WY)	2002	1993	1991	1974	1976	1982	1964	1983	1958	1992	1958	1989
MIN	67.9	85.6	67.0	61.6	104	196	146	231	130	84.4	79.8	68.8
(WY)	1964	1964	1964	1977	1963	2000	2000	1976	1988	1977	1966	1999

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1955 - 2002

ANNUAL TOTAL	279923	362346	
ANNUAL MEAN	766.9	992.7	773.2
HIGHEST ANNUAL MEAN			1460
LOWEST ANNUAL MEAN			264
HIGHEST DAILY MEAN	5380	Dec 18	22100
LOWEST DAILY MEAN	121	Jan 15	47
ANNUAL SEVEN-DAY MINIMUM	134	Jan 9	51
MAXIMUM PEAK FLOW			6780
MAXIMUM PEAK STAGE			11.56
ANNUAL RUNOFF (CFSM)	0.97		1.25
ANNUAL RUNOFF (INCHES)	13.11		16.98
10 PERCENT EXCEEDS	1860		2300
50 PERCENT EXCEEDS	443		560
90 PERCENT EXCEEDS	183		169

e Estimated

03335000 WILDCAT CREEK NEAR LAFAYETTE, IN--Continued



03335500 WABASH RIVER AT LAFAYETTE, IN

LOCATION.--Lat 40°25'19", long 86°53'49", in NE<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub> sec.20, T.23 N., R.4 W., Tippecanoe County, Hydrologic Unit 05120108, (LAFAYETTE WEST, IN quadrangle), on right bank 20 ft downstream from Brown St. in Lafayette, 0.2 mi upstream from Main St. bridge, 0.3 mi downstream from Harrison Memorial Bridge, 5.1 mi downstream from Wildcat Creek, and at mile 311.9.

DRAINAGE AREA.--7,267 mi<sup>2</sup>.

PERIOD OF RECORD.--February 1901 to January 1902, March to December 1902, January to May 1903 (gage height only), October 1923 to current year. Monthly discharge only for some periods, published in WSP 1305. Gage-height records collected at present site since October 1913 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1335: 1929, 1932-33, 1936. WSP 1505: 1950. WSP 1555: 1928(M). WSP 2109: Drainage area. WDR IN-81-1: 1979.

GAGE.--Water-stage recorder. Datum of gage is 504.14 ft above National Geodetic Vertical Datum of 1929. Prior to May 2, 1903, nonrecording gage 0.5 mi upstream at different datum. Oct. 7, 1923, to Nov. 20, 1933, nonrecording gage at same site and datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow partially regulated by upstream reservoirs and power development.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 26, 1913, reached a stage of 32.9 ft, from floodmark determined by National Weather Service, discharge, 190,000 ft<sup>3</sup>/s.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2670	12700	16800	e4250	32000	7120	31100	21500	10400	3670	2290	1290
2	2250	12300	19600	e4000	39600	6980	27700	19200	8890	3400	2480	1230
3	1750	11600	19100	e4200	34200	9960	25100	17800	6940	3150	2670	1210
4	1430	11600	17500	e4400	28900	18200	25000	14200	6240	2850	2440	1090
5	2050	10800	11700	e4300	24800	18500	27700	12500	9040	2510	2100	1230
6	3130	10500	9030	e4200	22100	14900	e26200	10900	12500	2290	1630	1100
7	4390	10000	7600	e4200	18500	13400	e21000	9740	12200	2260	1690	998
8	6770	10200	7000	e4100	16100	11600	e11800	9050	9910	2270	1760	1040
9	6580	9570	6280	4030	14300	11800	17400	9790	8400	2400	1340	989
10	5790	9370	5130	3760	12100	19700	23100	13500	6430	3220	1270	1140
11	5400	9350	4950	3860	11200	20200	21400	13500	5980	2660	1400	1050
12	8170	9170	4500	3820	9760	16900	e21200	17100	5740	2620	1310	924
13	21200	8260	4870	3880	8670	14500	e25200	32400	6230	2210	1270	921
14	27600	6390	5300	3700	6980	12500	e27400	36600	7690	2150	1390	944
15	33000	5280	10600	3810	6420	10200	e24000	34000	6620	2180	1450	926
16	32800	4960	18400	3420	6140	8820	e19600	30000	5290	2190	1510	960
17	35100	4110	23200	3540	5640	8110	e16900	26000	4720	1980	1430	1020
18	34400	4780	32200	3340	5090	7860	e13100	24100	4260	1820	1410	1040
19	28400	4780	31700	3220	5540	7930	11300	22000	4170	1830	1980	1030
20	23300	4840	28000	3280	11600	7460	9840	19200	4070	1680	2390	1500
21	19500	5380	24100	3220	19300	6800	8780	15000	3770	1860	2080	1910
22	16100	5290	20000	3030	18600	6150	8860	12900	3600	1860	1700	2220
23	21200	5250	17100	3120	15200	5800	8580	12100	3500	2390	2970	1740
24	25000	5110	14800	3160	12300	5470	7910	11600	3150	2810	2500	1730
25	29600	5240	12300	3080	9450	5890	8740	9700	3160	1980	2490	1710
26	32800	5150	11600	3090	8570	5570	8140	8980	4310	1800	2260	1730
27	28500	5760	10100	3100	7560	5390	7310	10100	4090	1780	2420	1750
28	23400	5340	8400	3060	7120	5680	17500	9920	3700	1820	2150	1810
29	20200	5070	6410	3160	---	6790	25100	9920	4080	1810	1530	1650
30	17900	6650	e5200	3680	---	18500	24200	12600	4220	2470	1420	1940
31	14400	---	e4600	11300	---	30000	---	11800	---	2630	1470	---
TOTAL	534780	224800	418070	120310	417740	348680	551160	517700	183300	72550	58200	39822
MEAN	17250	7493	13490	3881	14920	11250	18370	16700	6110	2340	1877	1327
MAX	35100	12700	32200	11300	39600	30000	31100	36600	12500	3670	2970	2220
MIN	1430	4110	4500	3030	5090	5390	7310	8980	3150	1680	1270	921
CFSM	2.37	1.03	1.86	0.53	2.05	1.55	2.53	2.30	0.84	0.32	0.26	0.18
IN.	2.74	1.15	2.14	0.62	2.14	1.78	2.82	2.65	0.94	0.37	0.30	0.20

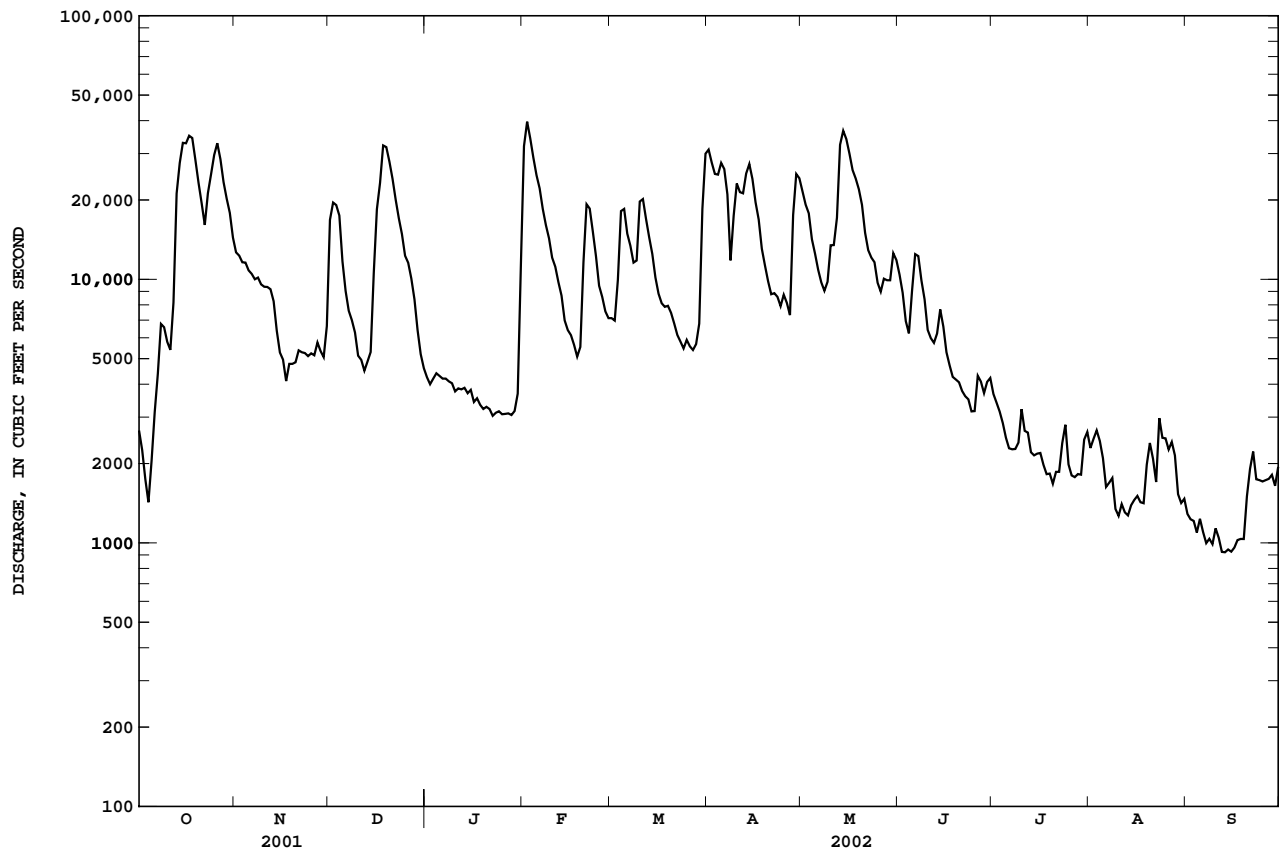
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 2002, BY WATER YEAR (WY)

	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MEAN	3142	4305	6712	8393	9671	11750	11600	8324	6708	4319	2815	2638																																																																			
MAX	17250	19910	25250	42040	28000	33560	28000	37290	31830	19180	12890	20120																																																																			
(WY)	2002	1993	1928	1950	1959	1982	1957	1943	1958	1998	1998	1926																																																																			
MIN	652	828	747	735	1232	1663	3135	1460	1029	655	484	435																																																																			
(WY)	1964	1965	1964	1977	1964	1941	1941	1934	1934	1936	1941	1941																																																																			

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1924 - 2002	
ANNUAL TOTAL	2976450		3487112			
ANNUAL MEAN	8155		9554		6680	
HIGHEST ANNUAL MEAN					12340	
LOWEST ANNUAL MEAN					1631	
HIGHEST DAILY MEAN	35100	Oct 17	39600	Feb 2	129000	May 19 1943
LOWEST DAILY MEAN	1320	Aug 15	921	Sep 13	399	Sep 26 1941
ANNUAL SEVEN-DAY MINIMUM	1480	Aug 14	962	Sep 12	404	Sep 21 1941
MAXIMUM PEAK FLOW			40700	Feb 2	131000	May 19 1943
MAXIMUM PEAK STAGE			18.43	Feb 2	28.47	May 19 1943
ANNUAL RUNOFF (CFSM)	1.12		1.31		0.92	
ANNUAL RUNOFF (INCHES)	15.24		17.85		12.49	
10 PERCENT EXCEEDS	19800		24000		16000	
50 PERCENT EXCEEDS	5150		6240		3650	
90 PERCENT EXCEEDS	2320		1670		1170	

e Estimated

03335500 WABASH RIVER AT LAFAYETTE, IN--Continued





03335690 MUD PINE CREEK NEAR OXFORD, IN

LOCATION.--Lat 40°31'24", long 87°20'30", in NE<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub> sec.17, T.24 N., R.8 W., Benton County, Hydrologic Unit 05120108, (FOWLER, IN quadrangle), on right bank 5 ft downstream from county road bridge, 0.3 mi north of Chase, 2.0 mi east of Boswell, and 5.0 mi west of Oxford.

DRAINAGE AREA.--39.4 mi<sup>2</sup>.

PERIOD OF RECORD.--June 1971 to current year.

REVISED RECORDS.--WDR IN-80-1: 1971-79 (P).

GAGE.--Water-stage recorder. Datum of gage is 718.00 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 2001 TO SEPTEMBER 2002  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.5	72	101	e22	524	31	179	91	33	27	8.1	10
2	4.9	72	68	e19	202	62	137	79	30	23	250	8.9
3	4.4	70	54	e19	131	167	105	59	28	21	155	8.0
4	4.5	64	46	e18	93	84	83	51	26	18	73	6.7
5	22	57	40	e18	67	56	68	44	43	15	48	5.8
6	70	53	36	e17	54	114	56	45	40	13	34	5.4
7	34	50	33	15	45	156	52	78	32	12	26	4.8
8	23	46	30	e16	35	114	99	101	29	11	19	4.4
9	19	39	25	16	29	354	148	191	27	42	15	4.0
10	18	40	24	13	28	214	95	126	35	69	12	3.7
11	19	33	21	11	24	120	75	177	87	25	9.2	3.5
12	382	31	22	13	24	98	62	613	60	18	7.5	3.1
13	336	32	43	12	17	91	57	360	60	15	6.2	2.8
14	1480	31	104	12	16	76	53	177	59	12	5.7	2.7
15	511	29	137	9.5	17	64	47	129	47	9.7	6.4	2.7
16	468	25	96	8.8	15	56	41	110	38	8.4	6.8	2.7
17	307	23	266	9.1	11	53	37	115	33	7.7	5.9	2.5
18	206	24	211	e8.2	10	46	35	103	29	7.2	4.7	2.8
19	161	24	133	8.6	178	43	34	89	26	52	289	4.4
20	128	20	98	8.1	490	41	33	78	23	27	147	5.8
21	109	21	76	8.9	228	36	80	68	22	17	62	5.9
22	143	19	68	6.5	132	e32	80	60	21	27	95	3.4
23	190	18	70	8.4	96	32	56	55	21	220	399	2.8
24	510	20	60	8.0	74	30	51	50	19	84	172	2.6
25	544	17	50	6.1	57	e28	60	48	52	44	96	2.6
26	213	13	45	6.3	49	e31	48	43	247	30	63	2.6
27	145	15	42	6.5	45	29	142	41	114	24	41	3.1
28	115	12	37	6.9	37	33	386	39	69	19	27	2.9
29	97	18	30	10	---	116	168	38	44	16	20	2.5
30	84	153	e27	67	---	335	117	44	34	12	15	2.3
31	78	---	e24	527	---	343	---	38	---	9.4	12	---
TOTAL	6430.3	1141	2117	934.9	2728	3085	2684	3340	1428	935.4	2130.5	125.4
MEAN	207.4	38.03	68.29	30.16	97.43	99.52	89.47	107.7	47.60	30.17	68.73	4.180
MAX	1480	153	266	527	524	354	386	613	247	220	399	10
MIN	4.4	12	21	6.1	10	28	33	38	19	7.2	4.7	2.3
CFSM	5.26	0.97	1.73	0.77	2.47	2.53	2.27	2.73	1.21	0.77	1.74	0.11
IN.	6.07	1.08	2.00	0.88	2.58	2.91	2.53	3.15	1.35	0.88	2.01	0.12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2002, BY WATER YEAR (WY)

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002			
MEAN	20.92	28.45	42.94	40.33	59.09	74.73	70.83	61.56	61.08	26.50	15.73	15.22																						
MAX	207	169	154	164	158	237	267	159	240	147	122	134																						
(WY)	2002	1986	1991	1993	1990	1979	1994	1981	1998	1993	1981	1993																						
MIN	0.38	0.33	0.71	0.46	3.41	6.54	7.99	8.49	2.85	0.65	0.79	0.40																						
(WY)	2000	2000	2000	2000	1977	1981	2000	1976	1988	1988	1988	1983																						

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

WATER YEARS 1972 - 2002

ANNUAL TOTAL	19866.35	27079.5	
ANNUAL MEAN	54.43	74.19	42.99
HIGHEST ANNUAL MEAN			93.0
LOWEST ANNUAL MEAN			16.2
HIGHEST DAILY MEAN	1480	Oct 14	4550
LOWEST DAILY MEAN	0.60	Aug 22	0.00
ANNUAL SEVEN-DAY MINIMUM	1.4	Aug 12	0.04
MAXIMUM PEAK FLOW			2040
MAXIMUM PEAK STAGE			12.15
ANNUAL RUNOFF (CFSM)	1.38		1.88
ANNUAL RUNOFF (INCHES)	18.76		1.09
10 PERCENT EXCEEDS	126		170
50 PERCENT EXCEEDS	24		37
90 PERCENT EXCEEDS	4.4		6.4

e Estimated

03335690 MUD PINE CREEK NEAR OXFORD, IN--Continued

