

03336000 WABASH RIVER AT COVINGTON, IN

LOCATION.--Lat 40°08'24", long 87°24'24", in NE¹/₄NW¹/₄ sec.35, T.20 N., R.9 W., Warren County, Hydrologic Unit 05120108, (COVINGTON, IN quadrangle), on right approach to old U.S. Highway 136 bridge at Covington, 2.9 mi downstream from Oppossum Run, 3.6 mi upstream from Spring Creek, and at mile 271.1.

DRAINAGE AREA.--8,218 mi².

PERIOD OF RECORD.--October 1939 to current year. Gage-height records collected at site 0.4 mi downstream January 1927 to December 1930, and at present site since January 1931 are contained in reports of National Weather Service.

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

GAGE.--Water-stage recorder. Datum of gage is 473.97 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1979, nonrecording gage on old bridge.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of 35.1 ft, from floodmark determined by National Weather Service, discharge, 200,000 ft³/s.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2670	15000	11100	e5200	21900	8170	28000	26600	12100	4670	2850	2000
2	2700	13400	18000	e4850	28800	8230	30400	24800	10800	4180	2820	1820
3	2370	12800	19500	e4700	34600	10600	29700	22200	9110	3900	3580	1720
4	1990	12000	19000	e4900	35200	15300	27900	19100	7580	3630	3250	1680
5	1780	11700	16000	e5040	31900	19700	26200	15300	7680	3340	2850	1570
6	2330	11100	11300	e4980	28600	18900	23500	13500	11700	3000	2470	1640
7	3280	10600	8960	4920	25200	16400	18000	13100	13800	2780	2080	1540
8	5040	10300	7820	4820	20600	15000	14000	14000	12000	2740	2090	1420
9	6540	10200	7160	4660	17100	14200	16700	14400	10300	2770	2090	1420
10	6200	9690	6310	4490	14400	18900	21400	15900	8540	3260	1780	1390
11	5690	9580	5490	4270	12700	22300	23600	17300	7150	3840	1690	1460
12	6630	9420	5280	4370	11300	21700	23400	19200	6920	3200	1770	1410
13	13600	9120	5110	4260	10200	18600	24500	26800	6970	3000	1710	1310
14	24700	7810	5570	4350	8750	15700	25600	32600	8440	2660	1670	1290
15	29000	6280	7820	4170	7480	13100	26900	36500	8650	2550	1800	1320
16	32500	5500	14300	4210	7030	11100	25400	35900	7160	2560	1850	1320
17	34500	5040	20800	3910	6640	9810	22600	33100	6110	2530	1850	1310
18	35400	4640	25100	3930	6190	9110	18900	30300	5320	2350	1780	1370
19	35300	5020	29000	3770	6200	8960	14700	27800	4970	2270	10100	1380
20	32600	5020	30800	3740	11500	8730	12100	25500	4780	2420	11000	1450
21	28700	5200	29900	3730	19900	8160	10900	21800	4620	2170	6670	1840
22	23500	5540	27300	3690	22500	7460	10500	16900	4370	2240	3700	2130
23	20200	5460	23200	3520	21000	6780	10400	14300	4210	2800	8280	2300
24	22800	5480	18800	3540	17000	6540	9580	13400	4050	3310	8300	1980
25	26300	5310	15000	3570	13000	6480	9550	12300	3790	3130	5180	1930
26	29200	5430	12800	3510	10600	6710	9890	10400	4820	2450	3820	1930
27	31300	5530	11700	3490	9430	6400	9670	10500	5970	2280	3180	1940
28	31000	5900	10100	3510	8500	6340	18100	11200	5140	2300	3060	1960
29	28000	5580	8250	3450	---	7430	23800	11100	4530	2310	2740	1990
30	23900	6040	e6460	3790	---	14000	26500	11900	4880	2280	2220	1900
31	19500	---	e5600	7050	---	23500	---	13600	---	2760	2020	---
TOTAL	569220	239690	443530	132390	468220	384310	592390	611300	216460	89680	110250	49720
MEAN	18360	7990	14310	4271	16720	12400	19750	19720	7215	2893	3556	1657
MAX	35400	15000	30800	7050	35200	23500	30400	36500	13800	4670	11000	2300
MIN	1780	4640	5110	3450	6190	6340	9550	10400	3790	2170	1670	1290
CFSM	2.23	0.97	1.74	0.52	2.03	1.51	2.40	2.40	0.88	0.35	0.43	0.20
IN.	2.58	1.08	2.01	0.60	2.12	1.74	2.68	2.77	0.98	0.41	0.50	0.23

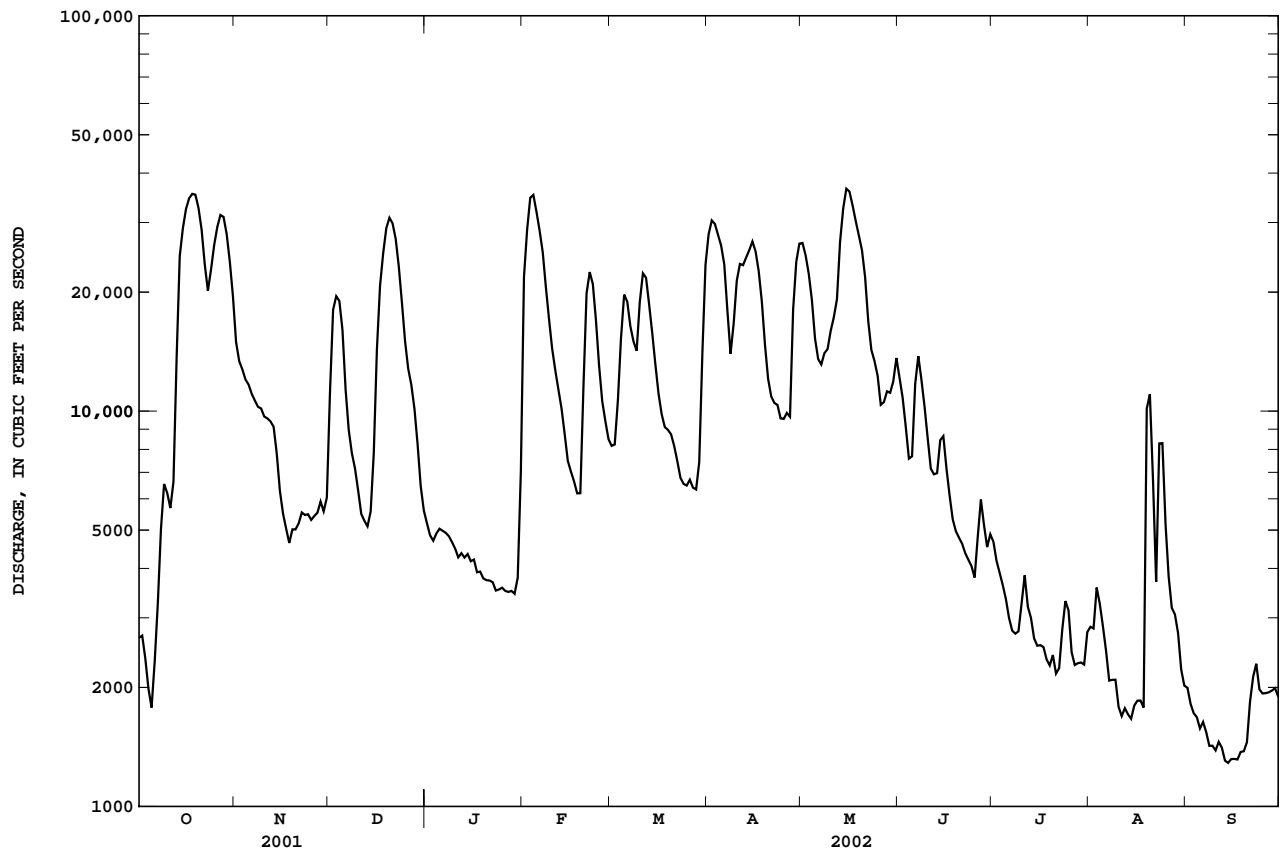
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2002, BY WATER YEAR (WY)

MEAN	3585	4875	7233	8979	10960	13160	13140	9978	8417	5418	3505	2912
MAX	18360	23930	22080	49700	34450	34840	28470	43540	36010	19840	13470	11960
(WY)	2002	1993	1968	1950	1959	1982	1957	1943	1958	1998	1998	1989
MIN	738	919	810	896	1357	1915	3536	1814	1542	1212	640	545
(WY)	1965	1965	1964	1977	1963	1941	1941	1941	1988	1988	1941	1941

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1940 - 2002
ANNUAL TOTAL	3161550	3907160	
ANNUAL MEAN	8662	10700	7658
HIGHEST ANNUAL MEAN			14980
LOWEST ANNUAL MEAN			1862
HIGHEST DAILY MEAN	35400	Oct 18	143000
LOWEST DAILY MEAN	1600	Aug 16	487
ANNUAL SEVEN-DAY MINIMUM	1770	Aug 15	497
MAXIMUM PEAK FLOW			37100
MAXIMUM PEAK STAGE		22.22	May 15
ANNUAL RUNOFF (CFSM)	1.05	1.30	32.44
ANNUAL RUNOFF (INCHES)	14.31	17.69	0.93
10 PERCENT EXCEEDS	22600	25800	18600
50 PERCENT EXCEEDS	5520	7160	4440
90 PERCENT EXCEEDS	2500	1990	1470

e Estimated

03336000 WABASH RIVER AT COVINGTON, IN--Continued



03339280 PRAIRIE CREEK NEAR LEBANON, IN

LOCATION.--Lat 40°06'16", long 86°31'32", in NW¹/₄SW¹/₄ sec.10, T.19 N., R.1 W., Boone County, Hydrologic Unit 05120110, (HAZELRIGG, IN quadrangle), on right bank 50 ft upstream from bridge on County Road 450 North, 4.0 mi upstream from Deer Creek, 4.9 mi northwest of Lebanon, and 7.7 mi upstream from mouth.

DRAINAGE AREA.--33.2 mi².

PERIOD OF RECORD.--October 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is 860.00 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 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	28	96	e19	589	46	88	82	25	43	8.3	7.3
2	4.1	29	61	e18	192	80	96	244	22	32	64	7.2
3	4.1	23	46	e17	114	125	132	116	20	25	21	7.3
4	8.1	21	38	e16	78	70	81	76	18	21	13	6.5
5	45	20	31	e15	56	53	65	59	191	16	10	5.8
6	38	18	28	e16	47	49	55	61	79	14	7.1	5.5
7	18	18	25	e15	41	44	48	314	49	13	5.7	6.5
8	14	18	23	e15	35	40	59	266	34	12	5.2	6.4
9	10	17	20	14	31	194	76	166	25	26	5.1	5.9
10	11	16	18	13	35	137	61	98	21	22	4.7	5.6
11	57	15	17	13	43	79	53	72	20	15	4.6	6.4
12	328	14	19	13	41	66	61	875	55	11	5.3	5.7
13	126	14	27	13	32	57	93	1560	149	10	19	6.4
14	382	14	147	12	29	49	84	400	175	8.9	15	6.5
15	165	13	146	12	29	50	76	180	77	8.5	9.2	8.2
16	273	13	117	11	27	126	58	112	52	8.6	7.9	8.1
17	157	13	563	11	23	79	48	94	37	22	7.0	8.1
18	90	13	279	12	22	60	43	73	28	21	6.7	7.5
19	64	13	132	11	41	51	39	59	22	12	451	14
20	44	13	82	11	147	49	33	50	19	10	121	108
21	33	12	61	11	134	43	75	43	16	9.5	47	48
22	27	13	51	11	80	37	71	39	14	7.5	27	16
23	67	12	49	11	62	35	49	34	13	9.0	49	10
24	297	26	41	11	51	32	52	30	13	8.3	27	8.0
25	315	27	33	10	45	84	77	65	44	7.8	21	7.1
26	116	17	30	9.7	59	81	53	79	459	14	14	6.8
27	70	18	27	9.7	55	75	158	51	339	18	12	48
28	51	17	25	9.9	48	142	610	40	302	12	10	22
29	41	33	22	12	---	327	200	51	98	21	9.1	13
30	34	200	e21	32	---	304	109	35	61	19	8.3	11
31	30	---	e20	220	---	134	---	30	---	11	7.8	---
TOTAL	2922.5	718	2295	624.3	2186	2798	2803	5454	2477	488.1	1023.0	432.8
MEAN	94.27	23.93	74.03	20.14	78.07	90.26	93.43	175.9	82.57	15.75	33.00	14.43
MAX	382	200	563	220	589	327	610	1560	459	43	451	108
MIN	3.2	12	17	9.7	22	32	33	30	13	7.5	4.6	5.5
CFSM	2.84	0.72	2.23	0.61	2.35	2.72	2.81	5.30	2.49	0.47	0.99	0.43
IN.	3.27	0.80	2.57	0.70	2.45	3.14	3.14	6.11	2.78	0.55	1.15	0.48

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

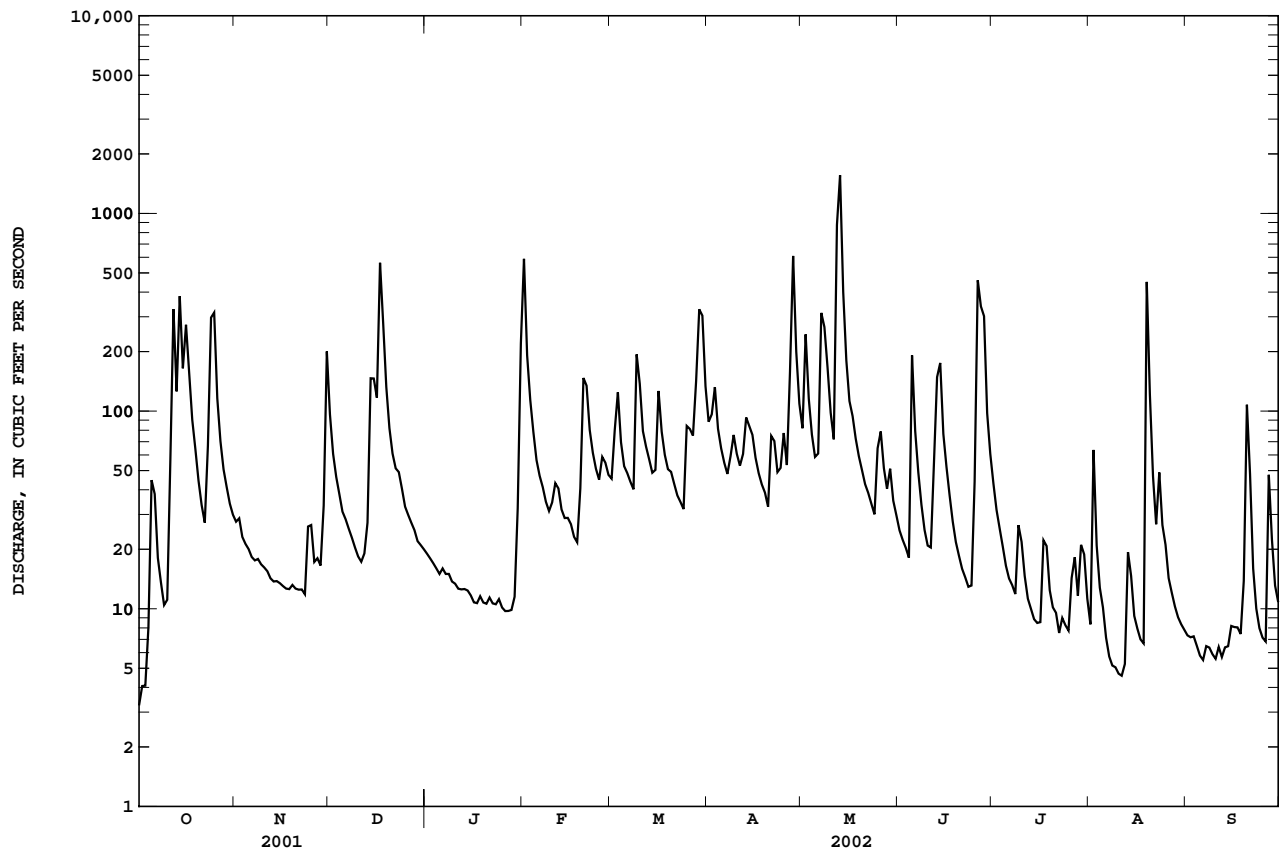
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MEAN	15.64	35.58	29.92	40.63	48.62	54.72	55.40	67.03	42.78	27.59	10.36	19.15			
MAX	94.3	205	158	129	139	109	96.7	248	158	95.6	34.8	139			
(WY)	2002	1993	1991	1993	1990	1990	1989	1996	1998	1989	1989	1989			
MIN	1.59	2.37	3.84	4.73	7.18	11.2	9.73	6.45	4.34	3.08	2.27	1.24			
(WY)	1998	1998	1998	2000	1998	2000	2000	1988	1988	1991	1999	1999			

SUMMARY STATISTICS

	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1988 - 2002	
ANNUAL TOTAL	13380.0		24221.7			
ANNUAL MEAN	36.66		66.36		37.19	
HIGHEST ANNUAL MEAN					66.4	
LOWEST ANNUAL MEAN					10.0	
HIGHEST DAILY MEAN	563	Dec 17	1560	May 13	1900	Dec 30 1990
LOWEST DAILY MEAN	2.2	Sep 4	3.2	Oct 1	0.20	Sep 11 1999
ANNUAL SEVEN-DAY MINIMUM	3.4	Aug 31	5.4	Aug 6	0.24	Sep 21 1999
MAXIMUM PEAK FLOW			2100		May 12	
MAXIMUM PEAK STAGE			12.30		May 12	
ANNUAL RUNOFF (CFSM)	1.10		2.00		1.12	
ANNUAL RUNOFF (INCHES)	14.99		27.14		15.22	
10 PERCENT EXCEEDS	84		146		75	
50 PERCENT EXCEEDS	17		30		13	
90 PERCENT EXCEEDS	5.6		8.1		2.8	

e Estimated

03339280 PRAIRIE CREEK NEAR LEBANON, IN--Continued



03339500 SUGAR CREEK AT CRAWFORDSVILLE, IN

LOCATION.--Lat 40°02'56", long 86°53'58", in SW¹/₄NW¹/₄ sec.32, T.19 N., R.4 W., Montgomery County, Hydrologic Unit 05120110, (CRAWFORDSVILLE, IN quadrangle), on left bank 327 ft upstream from Crawfordsville Electric Light and Power Co.'s dam at Crawfordsville, 700 ft upstream from bridge on U.S. Highway 231, 1.0 mi downstream from Walnut Fork Sugar Creek, and at mile 40.4.

DRAINAGE AREA.--509 mi².

PERIOD OF RECORD.--June 1938 to current year.

REVISED RECORDS.--WSP 973: 1939(M). WSP 1275: Drainage area. WSP 1335: 1949.

GAGE.--Water-stage recorder. Datum of gage is 657.77 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 17.3 ft from information by local resident, discharge, about 36,000 ft³/s.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	413	1610	e200	5080	535	1650	1360	392	456	70	100
2	42	378	1020	e195	3240	728	1270	1560	354	348	71	89
3	40	340	756	e190	1780	1490	1400	1320	326	284	294	82
4	36	286	601	e185	1290	1070	1150	956	301	243	128	76
5	50	262	495	e185	919	781	920	774	388	208	77	72
6	116	245	437	e190	719	641	773	695	483	174	57	66
7	151	231	387	e185	601	593	679	1840	357	150	45	63
8	119	225	350	e180	510	540	788	2600	292	134	36	60
9	87	214	313	e208	446	1280	1500	2090	260	176	31	58
10	70	198	274	202	430	2140	1240	1500	239	272	26	55
11	92	192	256	185	526	1220	958	1090	228	197	24	53
12	1810	178	243	172	585	955	941	5190	260	131	22	50
13	1910	166	292	171	503	827	2700	16800	365	104	23	49
14	3970	165	628	171	413	712	2180	11700	1020	87	36	63
15	2860	162	1870	165	393	637	1580	3730	743	75	66	107
16	3050	156	1370	152	372	1050	1160	2120	513	65	41	69
17	2830	152	4360	146	332	1100	916	1710	379	62	32	59
18	1670	141	4490	137	283	863	746	1410	299	336	28	56
19	1190	145	2300	140	355	690	647	1150	249	174	3350	56
20	915	144	1500	139	1660	637	561	991	215	102	2180	99
21	714	138	1110	139	2010	564	684	837	191	76	805	501
22	568	133	901	138	1310	480	980	719	177	66	411	272
23	580	133	807	136	966	452	746	639	168	78	2100	151
24	1380	149	681	141	785	429	642	574	159	65	1460	109
25	2780	212	557	135	664	633	1010	549	335	58	757	87
26	1760	198	484	126	632	918	848	852	2020	51	450	78
27	1120	174	443	124	607	710	1040	672	1870	53	282	102
28	824	165	405	124	543	888	5410	549	1710	59	196	223
29	648	201	344	133	---	2580	3480	538	1030	162	154	178
30	525	1360	e220	186	---	4770	1880	518	640	121	127	130
31	453	---	e210	1390	---	2660	---	439	---	105	110	---
TOTAL	32403	7256	29714	6270	27954	33573	40479	67472	15963	4672	13489	3213
MEAN	1045	241.9	958.5	202.3	998.4	1083	1349	2177	532.1	150.7	435.1	107.1
MAX	3970	1360	4490	1390	5080	4770	5410	16800	2020	456	3350	501
MIN	36	133	210	124	283	429	561	439	159	51	22	49
CFSM	2.05	0.48	1.88	0.40	1.96	2.13	2.65	4.28	1.05	0.30	0.85	0.21
IN.	2.37	0.53	2.17	0.46	2.04	2.45	2.96	4.93	1.17	0.34	0.99	0.23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2002, BY WATER YEAR (WY)

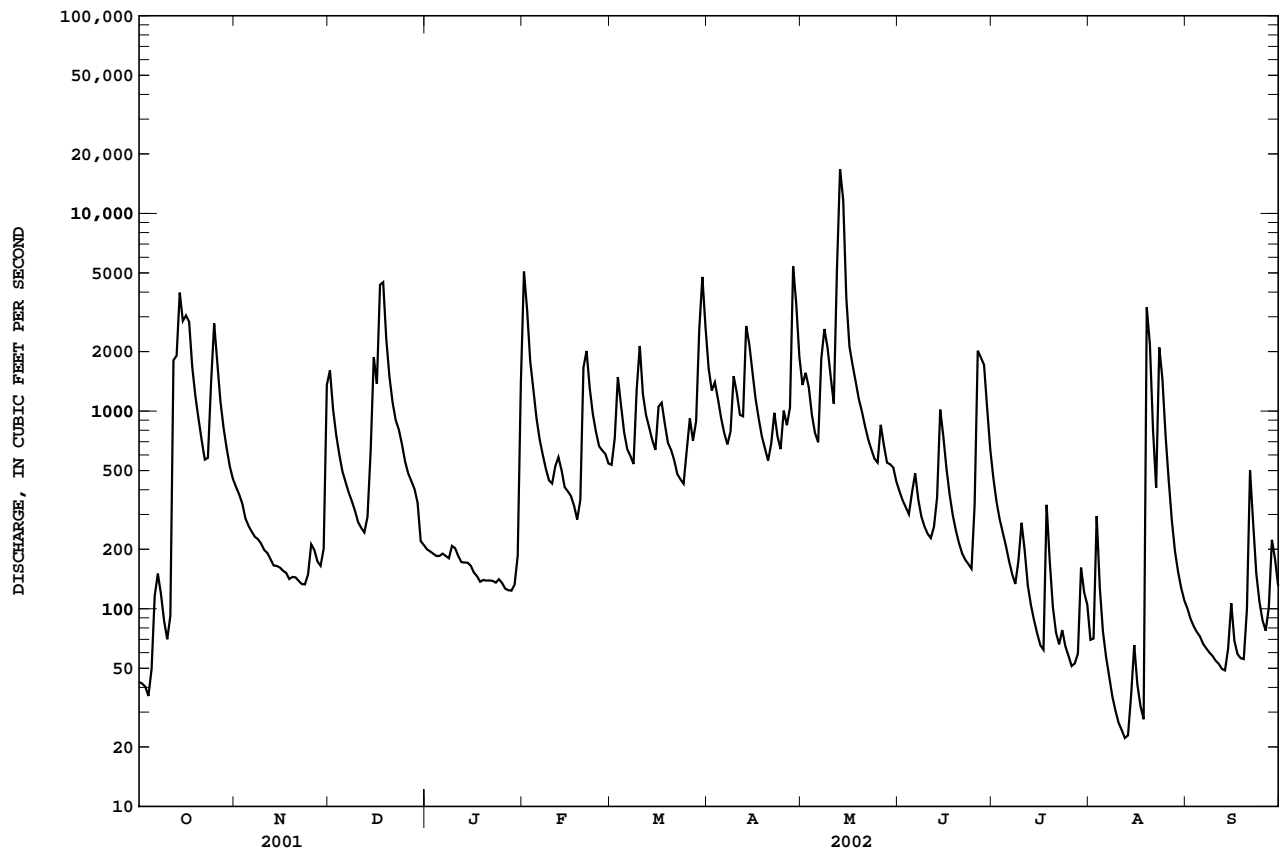
	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950
MEAN	159.3	338.3	479.9	609.9	721.4	876.5	853.4	688.6	580.6	308.5	168.0	154.6
MAX	1098	3060	2084	4163	2229	2390	2592	3297	2648	1325	1801	1991
(WY)	1978	1993	1991	1950	1985	1978	1964	1943	1957	1993	1958	1989
MIN	13.1	23.5	17.0	17.1	68.4	79.2	67.1	74.9	32.5	16.6	8.42	4.80
(WY)	1964	1998	1964	1977	1964	1941	2000	1941	1988	1988	1941	1941

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1939 - 2002

ANNUAL TOTAL	163324	282458	
ANNUAL MEAN	447.5	773.9	493.3
HIGHEST ANNUAL MEAN			1086
LOWEST ANNUAL MEAN			65.0
HIGHEST DAILY MEAN	4910	Feb 10	16800
LOWEST DAILY MEAN	31	Aug 8	22
ANNUAL SEVEN-DAY MINIMUM	34	Aug 7	28
MAXIMUM PEAK FLOW			18500
MAXIMUM PEAK STAGE			12.32
ANNUAL RUNOFF (CFSM)	0.88		1.52
ANNUAL RUNOFF (INCHES)	11.94		20.64
10 PERCENT EXCEEDS	1130		1790
50 PERCENT EXCEEDS	201		379
90 PERCENT EXCEEDS	47		66

e Estimated

03339500 SUGAR CREEK AT CRAWFORDSVILLE, IN--Continued



03340500 WABASH RIVER AT MONTEZUMA, IN

LOCATION.--Lat 39°47'33", long 87°22'26", in SE¹/₄NE¹/₄ sec.35, T.16 N., R.9 W., Parke County, Hydrologic Unit 05120108, (MONTEZUMA, IN quadrangle), on left bank 20 ft upstream from bridge on U.S. Highway 36 at Montezuma, 2.0 mi upstream from Big Raccoon Creek, 4.9 mi downstream from Sugar Creek, and at mile 240.0.

DRAINAGE AREA.--11,118 mi².

PERIOD OF RECORD.--October 1927 to current year. July 1924 to September 1927 (gage height only) in reports of State of Indiana, Department of Natural Resources.

REVISED RECORDS.--WSP 1335: 1929, 1931(M). WSP 1505: 1954. WSP 1915: 1954(m). WSP 2109: Drainage area. WDR IN-74-1: 1973.

GAGE.--Water-stage recorder. Datum of gage is 457.75 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Oct. 1, 1927, to July 12, 1950, nonrecording gage on downstream side of bridge located 50 ft upstream of present bridge and at same datum. July 12, 1950 to July 27, 1988, recording gage in downstream side of first pier from left bank at same datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 27, 1913, reached a stage of 34.0 ft, from floodmarks, discharge, 230,000 ft³/s.

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

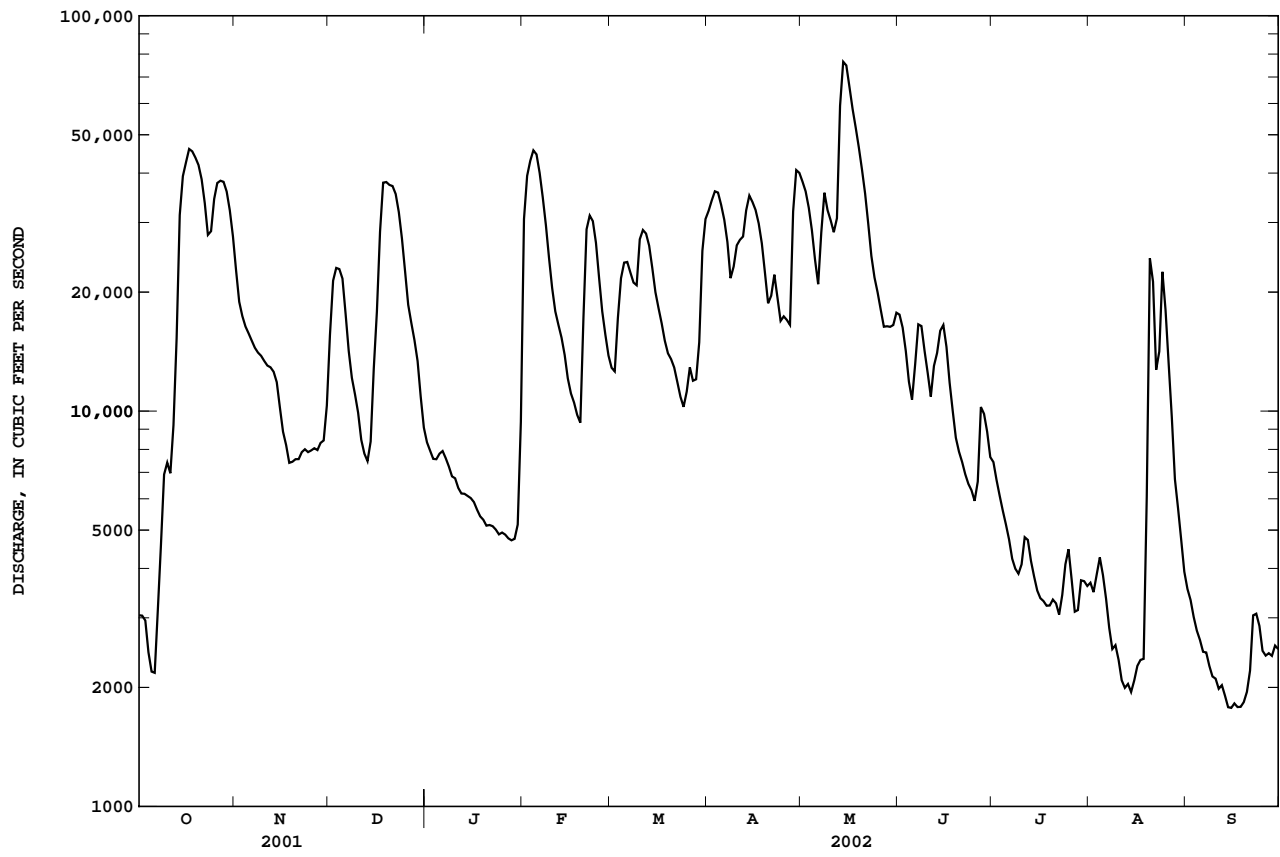
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3040	22700	15600	8340	30600	12900	32100	38000	17500	7430	3680	3550
2	3040	18900	21400	7940	39400	12600	34100	36000	16300	6690	3480	3330
3	2950	17400	23000	7570	43000	17200	36000	32700	14200	6110	3860	3020
4	2460	16400	22900	7560	45700	21700	35700	28700	11900	5600	4260	2780
5	2190	15700	21600	7800	44600	23700	33200	24200	10700	5170	3850	2640
6	2180	15100	17600	7920	40000	23800	30500	20900	13200	4740	3350	2460
7	3150	14500	14200	7600	34700	22400	26800	28300	16600	4230	2830	2450
8	4600	14100	12100	7240	29500	21100	21700	35700	16400	3990	2500	2270
9	6910	13800	11000	6840	24400	20800	23200	32200	14200	3880	2560	2130
10	7410	13400	9910	6760	20500	27200	26300	30400	12500	4090	2350	2100
11	6960	13000	8460	6390	17900	28700	27100	28300	10900	4800	2080	1980
12	9210	12900	7800	6190	16500	28100	27600	30800	13000	4720	2000	2030
13	15300	12600	7480	6180	15300	26200	32200	59200	14000	4180	2040	1910
14	31300	11800	8370	6100	13900	23000	35100	76500	16000	3820	1950	1780
15	39300	10200	12800	6020	12100	20000	33800	74900	16500	3520	2080	1780
16	42600	8870	17800	5890	11100	18200	32300	66100	14500	3360	2270	1820
17	46000	8200	28400	5630	10500	16700	29800	58100	11800	3310	2350	1780
18	45400	7400	37800	5420	9780	15100	26600	52100	10000	3220	2360	1790
19	43800	7440	38000	5310	9350	14000	22400	46400	8560	3220	6070	1840
20	41900	7560	37300	5130	17200	13500	18700	40800	7890	3340	24400	1950
21	38600	7560	37100	5150	28800	12900	19600	35500	7440	3260	21200	2210
22	33600	7870	35400	5110	31200	11800	22100	29800	6920	3060	12700	3040
23	27900	8010	31900	5010	30200	10900	19400	24700	6540	3430	14200	3070
24	28500	7870	27300	4880	26600	10300	16900	21800	6300	4100	22500	2860
25	34400	7950	22600	4930	21700	11200	17400	20000	5930	4470	18000	2480
26	37800	8050	18600	4870	17900	12900	17000	18000	6630	3750	13200	2410
27	38300	7970	16700	4770	15600	11900	16500	16300	10200	3110	9670	2440
28	38000	8310	15100	4710	13800	12000	32000	16400	9840	3140	6720	2400
29	35900	8430	13400	4750	---	14900	40700	16300	8870	3730	5670	2550
30	32200	10300	10900	5160	---	25400	40000	16500	7650	3710	4730	2500
31	27700	---	9080	9400	---	30600	---	17700	---	3610	3920	---
TOTAL	732600	344290	611600	192570	671830	571700	826800	1073300	342970	128790	212830	71350
MEAN	23630	11480	19730	6212	23990	18440	27560	34620	11430	4155	6865	2378
MAX	46000	22700	38000	9400	45700	30600	40700	76500	17500	7430	24400	3550
MIN	2180	7400	7480	4710	9350	10300	16500	16300	5930	3060	1950	1780
CFSM	2.13	1.03	1.77	0.56	2.16	1.66	2.48	3.11	1.03	0.37	0.62	0.21
IN.	2.45	1.15	2.05	0.64	2.25	1.91	2.77	3.59	1.15	0.43	0.71	0.24

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

MEAN	4391	6186	9392	12420	14370	17200	17480	14020	10850	7299	4470	3579
MAX	23630	36840	40350	66690	40610	49690	37650	58400	42730	25110	18840	17800
(WY)	2002	1993	1928	1950	1959	1982	1938	1943	1958	1993	1958	1989
MIN	973	1202	1041	1107	1789	2370	4781	2082	1357	1210	815	710
(WY)	1964	1965	1964	1977	1931	1941	2000	1934	1934	1934	1941	1941

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1928 - 2002
ANNUAL TOTAL	4168490	5780630	
ANNUAL MEAN	11420	15840	10110
HIGHEST ANNUAL MEAN			20290
LOWEST ANNUAL MEAN			2506
HIGHEST DAILY MEAN	46000	Oct 17	76500
LOWEST DAILY MEAN	1520	Aug 17	1780
ANNUAL SEVEN-DAY MINIMUM	1740	Aug 13	1810
MAXIMUM PEAK FLOW			79400
MAXIMUM PEAK STAGE			27.15
ANNUAL RUNOFF (CFSM)	1.03		1.42
ANNUAL RUNOFF (INCHES)	13.95		19.34
10 PERCENT EXCEEDS	28400		35400
50 PERCENT EXCEEDS	7850		12500
90 PERCENT EXCEEDS	3060		2610

03340500 WABASH RIVER AT MONTEZUMA, IN--Continued



03340800 BIG RACCOON CREEK NEAR FINCASTLE, IN

LOCATION.--Lat 39°48'45", long 86°57'14", in NW¹/₄SW¹/₄ sec.22, T.16 N., R.5 W., Putnam County, Hydrologic Unit 05120108, (RUSSELLVILLE, IN quadrangle), on left bank at downstream side of county road bridge, 1.6 mi upstream from Ramp Creek, 3.1 mi west of Fincastle, and at mile 48.8.

DRAINAGE AREA.--139 mi².

PERIOD OF RECORD.--August 1957 to current year. Prior to October 1963, published as Raccoon Creek near Fincastle.

REVISED RECORDS.--WSP 1909: 1958. WSP 2109: Drainage area. WDR IN-79-1: 1978.

GAGE.--Water-stage recorder. Datum of gage is 686.03 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those for Apr. 22 - May 6, May 8 - June 14 and estimated daily discharges, which are poor.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 28, 1957, reached a stage of 19.10 ft discharge, 39,900 ft³/s, from slope-area 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	2.9	113	487	e68	2420	149	373	350	146	84	14	11
2	2.6	105	285	e64	804	217	299	743	139	70	14	9.6
3	2.2	95	208	e60	467	379	459	472	130	61	14	8.6
4	2.0	82	164	e58	320	240	326	308	122	54	15	8.4
5	6.0	77	135	e54	217	181	249	239	172	48	14	7.4
6	9.8	71	120	e54	173	154	205	251	204	41	13	6.9
7	20	67	108	e53	151	139	177	e3550	158	37	12	6.6
8	17	64	96	e52	130	128	205	2000	136	33	11	6.5
9	12	61	87	50	116	524	375	827	124	36	11	6.5
10	11	56	76	50	112	639	299	544	117	236	9.6	6.6
11	25	55	71	46	120	325	233	378	115	111	9.5	6.2
12	901	51	68	44	130	249	206	972	441	61	9.0	6.4
13	681	47	83	44	116	209	331	5680	412	45	9.1	5.6
14	2440	46	269	44	99	178	370	2390	939	37	9.6	5.7
15	908	46	612	43	98	167	380	747	e468	31	10	6.6
16	1070	44	405	39	93	517	257	517	e286	27	11	6.9
17	865	43	2040	38	85	371	199	413	e200	24	9.7	6.9
18	460	42	1230	37	75	257	167	336	148	25	9.0	5.9
19	318	41	575	36	85	200	149	276	117	26	144	5.8
20	231	40	368	36	630	187	133	245	98	22	442	12
21	177	38	265	36	728	165	507	218	84	21	94	188
22	143	38	215	35	398	140	599	200	76	19	46	70
23	257	37	199	34	273	132	320	188	69	18	57	34
24	1510	47	168	37	212	124	296	179	63	17	73	20
25	1030	93	140	35	177	536	586	189	236	16	44	15
26	507	71	123	33	173	562	330	343	812	16	28	12
27	312	59	114	32	174	340	505	236	368	16	21	14
28	221	54	104	32	157	621	3030	196	275	15	16	28
29	174	65	92	33	---	1270	889	177	153	15	14	31
30	143	655	e76	51	---	1280	490	166	105	16	13	21
31	125	---	e72	512	---	569	---	155	---	14	12	---
TOTAL	12583.5	2403	9055	1840	8733	11149	12944	23485	6913	1292	1208.5	579.1
MEAN	405.9	80.10	292.1	59.35	311.9	359.6	431.5	757.6	230.4	41.68	38.98	19.30
MAX	2440	655	2040	512	2420	1280	3030	5680	939	236	442	188
MIN	2.0	37	68	32	75	124	133	155	63	14	9.0	5.6
CFSM	2.92	0.58	2.10	0.43	2.24	2.59	3.10	5.45	1.66	0.30	0.28	0.14
IN.	3.37	0.64	2.42	0.49	2.34	2.98	3.46	6.29	1.85	0.35	0.32	0.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2002, BY WATER YEAR (WY)

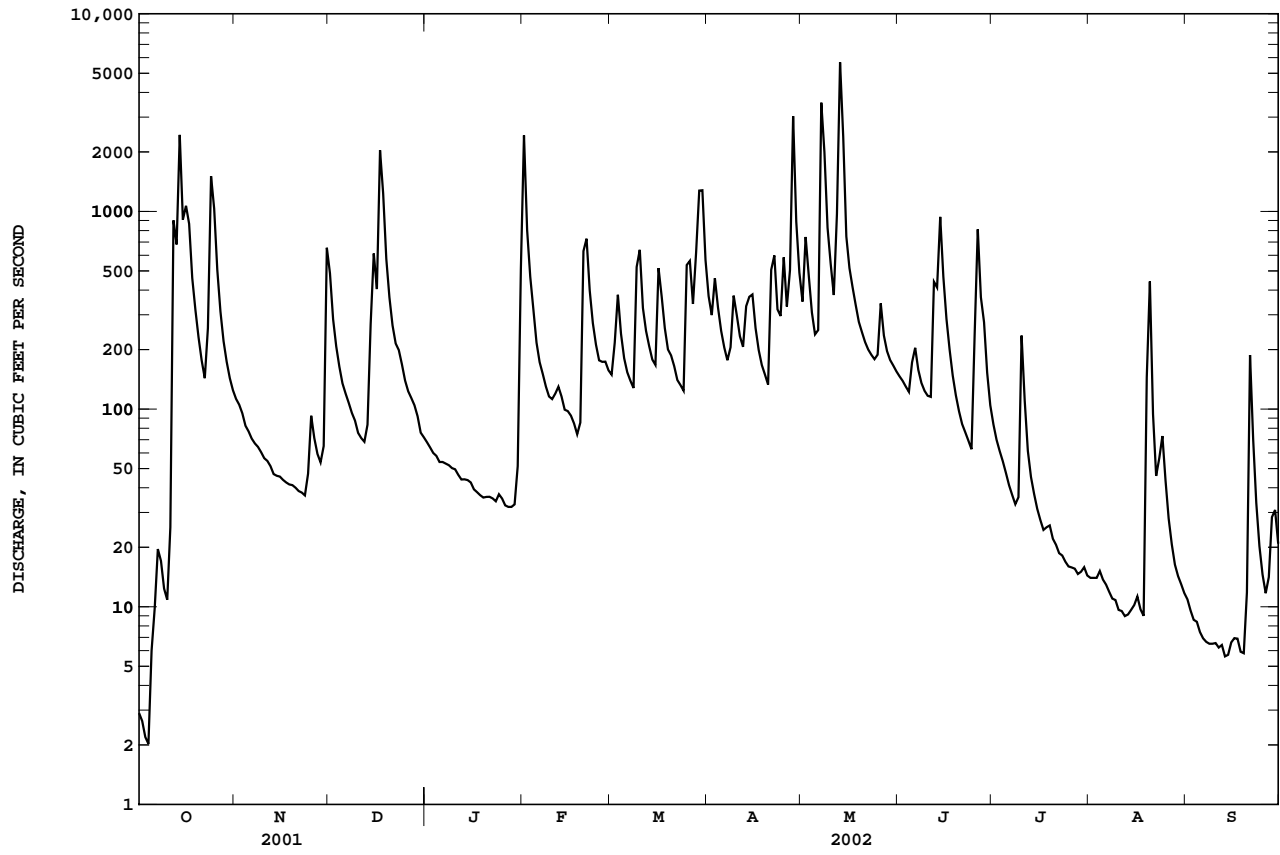
	MEAN	56.44	125.2	181.3	164.7	204.5	254.3	221.5	189.7	129.8	90.05	47.35	40.16
MAX	406	844	913	616	694	683	730	811	614	430	268	545	
(WY)	2002	1993	1991	1974	1985	1978	1964	1996	1998	1979	1979	1989	
MIN	2.14	2.33	3.91	4.41	14.8	28.6	40.7	19.5	11.1	4.83	2.75	1.62	
(WY)	1998	2000	1998	2000	1998	1981	2000	1976	1988	1991	1991	1999	

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1958 - 2002

ANNUAL TOTAL	51585.7	92185.1	
ANNUAL MEAN	141.3	252.6	141.8
HIGHEST ANNUAL MEAN			292
LOWEST ANNUAL MEAN			38.5
HIGHEST DAILY MEAN	2440	Oct 14	5680
LOWEST DAILY MEAN	2.0	Oct 4	2.0
ANNUAL SEVEN-DAY MINIMUM	2.6	Sep 28	6.2
MAXIMUM PEAK FLOW			7090
MAXIMUM PEAK STAGE			14.46
ANNUAL RUNOFF (CFSM)	1.02		1.82
ANNUAL RUNOFF (INCHES)	13.81		24.67
10 PERCENT EXCEEDS	310		565
50 PERCENT EXCEEDS	64		114
90 PERCENT EXCEEDS	4.7		11

e Estimated

03340800 BIG RACCOON CREEK NEAR FINCASTLE, IN--Continued



03340900 BIG RACCOON CREEK AT FERNDALE, IN

LOCATION.--Lat 39°42'40", long 87°04'15", in SE¹/₄SE¹/₄ sec.28, T.15 N., R.6 W., Parke County, Hydrologic Unit 05120108, (MANSFIELD, IN quadrangle), on right bank at upstream side of bridge on New Discovery Road, 0.5 mi downstream from Cecil M. Harden Lake, 3.7 mi upstream from Rocky Fork Creek, and at mile 33.3.

DRAINAGE AREA.--222 mi².

PERIOD OF RECORD.--October 1956 to September 2001 (discharges), October 2001 to September 2002 (stage only). Prior to October 1963, published as Raccoon Creek at Ferndale.

REVISED RECORDS.--WSP 2109: Drainage area. WDR IN-94-1: 1992; 1993: Average discharge.

GAGE.--Water-stage recorder. Datum of gage is 590.00 ft above National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). Prior to Oct. 1, 1974, water-stage recorder at site 1.7 mi downstream and at datum 7.64 ft lower.

REMARKS.--Flow regulated by Cecil M. Harden Lake since December 1960.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 9.92 ft, May 16, 2002, minimum gage height 5.05 ft, Aug. 21, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 9.92 ft, May 16; minimum gage height, 5.05 Aug. 21.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.54	6.82	8.48	8.60	6.06	6.27	6.51	6.17	9.11	8.35	5.40	5.19
2	5.54	8.08	8.47	8.57	6.05	6.36	6.52	6.17	9.05	8.34	5.40	5.20
3	5.55	8.69	8.45	8.54	6.05	6.29	6.52	6.17	8.62	7.31	5.41	5.20
4	5.55	8.68	8.44	8.52	6.05	6.29	6.52	6.17	8.63	7.31	5.42	5.21
5	5.59	9.09	8.42	8.49	6.04	6.29	6.52	6.17	8.61	7.13	5.43	5.52
6	5.56	9.07	8.40	8.46	6.04	6.29	6.52	6.19	8.61	5.36	5.43	5.52
7	5.55	9.39	8.37	7.56	6.04	6.29	6.60	6.41	8.60	5.36	5.40	5.52
8	5.55	8.91	8.36	6.29	6.04	6.29	6.94	6.36	8.60	5.35	5.40	5.52
9	5.55	9.35	7.67	6.29	6.04	6.39	7.24	6.34	8.59	5.36	5.20	5.53
10	5.56	9.32	5.39	6.28	7.23	6.36	8.04	8.44	8.58	6.52	5.20	5.55
11	7.31	9.29	6.08	6.28	8.12	6.44	8.04	8.89	8.60	6.52	5.20	5.33
12	5.59	9.27	6.48	6.28	8.51	6.44	6.73	6.21	8.11	6.52	5.20	5.34
13	7.32	9.24	7.15	6.28	8.49	6.44	6.63	7.97	8.12	6.52	5.21	5.35
14	6.29	9.23	7.20	5.86	8.47	6.44	6.65	9.73	8.64	6.00	5.21	5.27
15	6.23	9.40	7.68	5.85	8.45	6.56	6.63	9.87	8.65	6.00	5.20	5.27
16	6.25	9.37	7.76	5.85	8.44	6.48	6.61	9.91	8.64	6.00	5.20	5.55
17	6.24	9.35	5.60	5.85	8.41	6.48	6.61	9.89	8.40	5.40	5.20	5.54
18	6.23	9.32	5.49	5.85	8.39	6.48	7.37	9.62	8.40	5.39	5.20	5.55
19	6.21	9.29	5.46	5.85	8.37	6.48	7.84	9.61	8.39	5.39	5.20	5.55
20	7.83	9.25	5.45	5.85	8.38	6.43	7.84	9.60	8.39	5.39	6.03	5.55
21	6.28	9.23	5.45	6.11	8.38	6.41	5.55	9.59	8.38	5.39	6.03	5.54
22	6.27	9.20	5.44	6.04	8.37	6.41	5.36	9.57	8.38	5.39	6.03	5.54
23	6.42	8.57	5.44	6.04	7.40	6.41	5.32	9.55	8.37	5.39	6.44	5.54
24	6.53	8.57	5.44	6.04	7.39	6.43	7.56	9.13	8.36	5.39	6.99	5.54
25	6.40	8.93	6.84	6.04	7.39	6.49	7.49	9.57	8.36	5.39	6.99	5.54
26	6.35	8.91	7.88	6.04	7.39	6.47	8.19	9.17	8.37	5.39	6.02	5.55
27	6.34	8.88	7.87	5.89	7.37	6.56	6.37	9.16	8.37	5.39	5.56	5.55
28	6.33	8.45	8.30	5.89	6.28	6.59	5.74	9.16	8.36	5.40	5.56	5.55
29	6.33	8.51	8.28	5.91	---	6.57	6.18	9.15	8.36	5.41	5.20	5.55
30	5.13	7.87	8.28	5.96	---	6.52	6.17	9.14	8.36	5.40	5.20	5.55
31	6.82	---	8.25	6.92	---	6.52	---	9.55	---	5.40	5.19	---
MEAN	6.14	8.92	7.17	6.59	7.34	6.42	6.76	8.34	8.50	5.96	5.54	5.46
MAX	7.83	9.40	8.48	8.60	8.51	6.59	8.19	9.91	9.11	8.35	6.99	5.55
MIN	5.13	6.82	5.39	5.85	6.04	6.27	5.32	6.17	8.11	5.35	5.19	5.19

WTR YR 2002 MEAN 6.92 MAX 9.91 MIN 5.13

03340900 BIG RACCOON CREEK AT FERNDAL, IN--Continued

WATER-QUALITY RECORDS

INSTRUMENTATION.--Temperature recorder.

PERIOD OF RECORD.--

WATER TEMPERATURE.--September 1987 to April 1993. September 1994 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 26.3°C, Aug. 22, 1998; minimum, -0.3°C, Jan. 30-31, 1996.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 24.2°C, Sept. 21, minimum, 1.9°C, Jan. 18, 19.

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	16.9	13.9	15.3	13.2	12.9	13.0	10.1	9.7	9.9	3.0	2.6	2.8
2	17.1	14.6	15.7	13.2	13.0	13.1	9.7	9.3	9.5	2.8	2.6	2.8
3	17.3	14.8	15.8	13.2	12.9	13.0	9.3	9.1	9.2	2.7	2.4	2.6
4	17.2	14.8	15.9	13.2	12.9	13.1	9.2	9.0	9.1	2.7	2.5	2.6
5	15.5	14.4	14.8	13.1	12.9	13.0	9.4	9.0	9.2	2.8	2.5	2.6
6	16.7	13.7	15.0	12.9	12.8	12.8	10.0	9.4	9.7	2.8	2.5	2.7
7	16.7	13.6	14.9	12.9	12.6	12.7	10.2	9.7	9.9	2.9	2.4	2.5
8	16.9	14.2	15.4	12.8	12.7	12.7	9.9	9.6	9.7	3.2	2.4	2.7
9	17.2	14.8	15.9	12.7	12.4	12.5	9.6	9.1	9.4	3.3	2.6	2.8
10	16.3	15.4	15.8	12.5	12.3	12.4	9.9	7.7	9.1	3.0	2.6	2.8
11	16.3	15.4	16.1	12.5	12.3	12.3	9.3	6.9	8.1	3.1	2.4	2.6
12	16.7	15.4	16.2	12.3	12.1	12.2	8.8	8.5	8.7	3.1	2.4	2.7
13	17.1	15.6	16.6	12.1	12.0	12.0	8.6	8.5	8.6	3.3	2.5	2.8
14	17.1	16.5	16.8	12.0	11.9	11.9	8.5	8.2	8.4	3.6	2.7	3.0
15	17.0	16.1	16.5	12.0	11.8	11.9	8.2	8.0	8.1	3.9	2.2	2.8
16	16.1	15.6	16.0	12.1	11.9	12.0	8.1	8.0	8.0	3.2	2.2	2.7
17	16.7	15.3	15.8	12.2	12.0	12.1	8.7	8.0	8.3	2.9	2.0	2.4
18	16.3	15.1	15.4	12.1	11.8	11.9	9.1	7.2	8.1	3.5	1.9	2.4
19	15.9	14.2	15.1	11.9	11.7	11.8	7.7	6.1	7.1	3.0	1.9	2.3
20	15.0	13.8	14.6	11.8	11.5	11.7	7.7	5.7	6.5	2.8	2.0	2.5
21	14.7	13.9	14.4	11.5	11.2	11.4	7.9	5.4	6.4	3.5	2.3	2.7
22	14.5	13.7	14.0	11.2	11.0	11.1	7.6	5.8	6.8	3.8	2.3	2.8
23	14.0	13.6	13.8	11.1	11.0	11.0	7.4	5.4	6.6	3.6	2.8	3.1
24	14.2	13.4	13.8	11.1	11.0	11.1	5.4	4.3	4.7	3.3	2.6	3.0
25	14.0	13.0	13.4	11.1	10.9	11.0	5.9	4.0	4.8	4.1	2.5	3.0
26	13.7	13.2	13.5	10.9	10.8	10.9	5.3	5.0	5.2	4.4	2.8	3.3
27	14.1	13.1	13.5	10.9	10.7	10.9	5.1	4.7	4.9	4.7	2.8	3.5
28	14.1	12.9	13.3	10.7	10.4	10.6	4.7	4.5	4.6	5.2	3.0	3.9
29	13.9	12.9	13.2	10.4	10.3	10.3	4.5	3.8	4.1	4.7	3.9	4.2
30	13.6	12.2	13.1	10.4	10.1	10.2	3.8	3.4	3.7	4.4	4.0	4.2
31	13.5	11.0	12.5	---	---	---	3.4	3.0	3.2	4.5	4.0	4.3
MONTH	17.3	11.0	14.9	13.2	10.1	11.9	10.2	3.0	7.4	5.2	1.9	2.9

03341300 BIG RACCOON CREEK AT COXVILLE, IN

LOCATION.--Lat 39°39'09", long 87°17'37", in SW¹/₄SW¹/₄ sec.15, T.14 N., R.8 W., Parke County, Hydrologic Unit 05120108, (MECCA, IN quadrangle), on right bank at downstream side of covered bridge on county road at Coxville, 0.8 mi upstream from Rock Run, 1.5 mi downstream from Little Raccoon Creek, 2.1 mi northwest of Rosedale, and at mile 13.1.

DRAINAGE AREA.--448 mi².

PERIOD OF RECORD.--October 1956 to September 1988 (discharge). October 1988 to September 1992 (gage height only). October 1992 to current year (discharge). Prior to October 1963, published as Raccoon Creek at Coxville.

REVISED RECORDS.--WSP 2109: Drainage area. WDR IN-74-1: 1973.

GAGE.--Water-stage recorder. Datum of gage is 494.00 ft above National Geodetic Vertical Datum of 1929 (Indiana Flood Control and Water Resources Commission bench mark).

REMARKS.--Records good. Flow regulated by Cecil M. Harden Lake.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	449	1350	872	3360	423	837	1020	2040	936	82	59
2	64	490	1350	1060	1380	449	732	1060	2240	919	80	58
3	63	788	1260	1060	903	670	837	846	1750	884	79	56
4	62	1020	1180	1040	656	493	692	696	1380	523	77	57
5	105	1080	1130	1030	507	451	615	601	1360	467	75	75
6	169	1310	1100	1020	450	422	560	800	1300	382	72	80
7	106	1320	1060	965	414	395	525	5760	1260	213	70	88
8	89	1570	1030	560	381	373	592	5490	1230	181	68	90
9	81	1390	967	342	353	1330	899	3160	1200	167	67	96
10	79	1590	603	314	366	1220	885	2110	1180	210	64	91
11	221	1580	305	298	577	749	1050	2130	1240	224	60	90
12	2310	1560	312	284	840	630	1240	3760	1970	250	59	87
13	1980	1550	410	276	1040	554	1080	6890	1210	246	59	82
14	5110	1530	901	270	1040	503	986	4760	1200	241	59	82
15	2080	1530	1070	231	1040	485	843	4160	1460	191	61	84
16	1920	1650	1050	214	1030	1140	658	3750	1420	170	59	80
17	1350	1640	3640	208	1010	778	571	3450	1340	164	56	83
18	887	1630	2170	200	996	626	548	3080	1150	141	54	90
19	658	1610	1140	198	1010	550	660	2540	1090	126	65	91
20	589	1590	796	193	1370	534	836	2400	1060	118	70	106
21	756	1570	598	191	1500	500	2950	2300	1030	111	78	121
22	477	1540	505	205	1300	450	2700	2220	1010	106	91	98
23	573	1500	472	203	1170	433	1220	2170	994	112	102	94
24	3560	1210	420	207	730	420	980	2130	978	103	145	92
25	2700	1290	372	199	664	1480	1910	2010	967	98	225	90
26	1240	1400	505	193	691	1260	1270	2240	973	95	241	90
27	819	1370	724	190	654	958	1580	1870	999	95	143	108
28	625	1330	768	179	576	1360	5100	1810	1060	91	94	99
29	529	1160	905	177	---	1570	2160	1760	976	90	84	93
30	465	2120	880	241	---	1670	1320	1740	956	92	75	90
31	378	---	878	913	---	1080	---	1760	---	86	64	---
TOTAL	30110	41367	29851	13533	26008	23956	36836	80473	38023	7832	2678	2600
MEAN	971.3	1379	962.9	436.5	928.9	772.8	1228	2596	1267	252.6	86.39	86.67
MAX	5110	2120	3640	1060	3360	1670	5100	6890	2240	936	241	121
MIN	62	449	305	177	353	373	525	601	956	86	54	56
CFSM	2.17	3.08	2.15	0.97	2.07	1.72	2.74	5.79	2.83	0.56	0.19	0.19
IN.	2.50	3.43	2.48	1.12	2.16	1.99	3.06	6.68	3.16	0.65	0.22	0.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2002, BY WATER YEAR (WY)

	MEAN	338.1	577.4	630.1	555.0	634.2	652.7	654.3	625.1	542.6	347.3	226.4	210.0
MAX	994	1684	2070	1572	1648	1493	1648	2596	3613	1001	1062	1542	
(WY)	1990	1994	1968	1974	1969	1985	1957	2002	1957	1981	1958	1989	
MIN	17.5	44.3	48.2	25.9	72.8	100	115	86.2	64.2	59.4	34.4	34.6	
(WY)	1957	1957	1964	1977	1998	2000	2000	2000	1988	1988	1966	1966	

SUMMARY STATISTICS

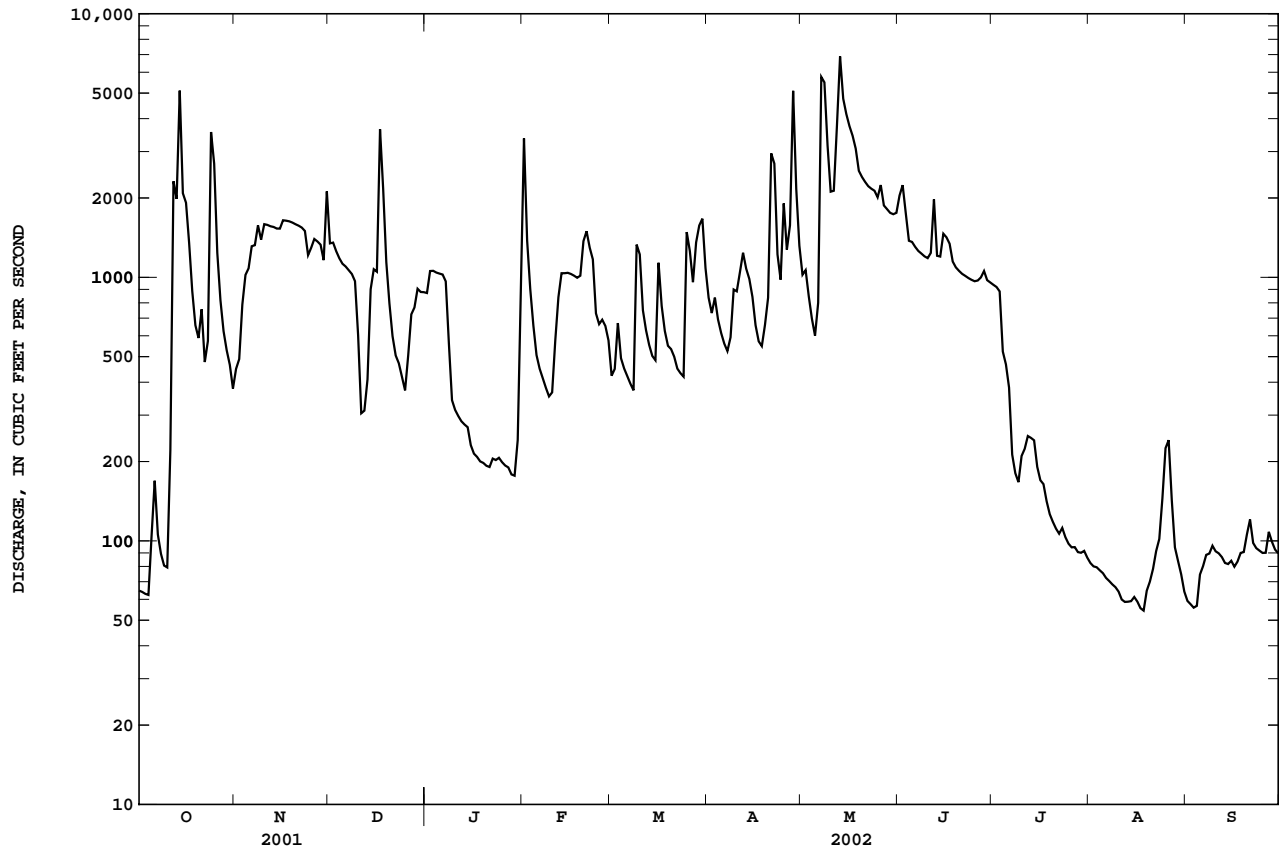
FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

WATER YEARS 1957 - 2002

ANNUAL TOTAL	201564	333267	
ANNUAL MEAN	552.2	913.1	496.8
HIGHEST ANNUAL MEAN			914
LOWEST ANNUAL MEAN			160
HIGHEST DAILY MEAN	5110	Oct 14	6890
LOWEST DAILY MEAN	62	Oct 4	54
ANNUAL SEVEN-DAY MINIMUM	65	Sep 28	58
MAXIMUM PEAK FLOW			9300
MAXIMUM PEAK STAGE			15.29
ANNUAL RUNOFF (CFSM)	1.23		2.04
ANNUAL RUNOFF (INCHES)	16.74		27.67
10 PERCENT EXCEEDS	1380		1970
50 PERCENT EXCEEDS	285		691
90 PERCENT EXCEEDS	84		82

03341300 BIG RACCOON CREEK AT COXVILLE, IN--Continued



03341500 WABASH RIVER AT TERRE HAUTE, IN

LOCATION.--Lat 39°28'33", long 87°25'07", in NE¹/₄NW¹/₄ sec.21, T.12 N., R.9 W., Vigo County, Hydrologic Unit 05120111,(TERRE HAUTE, IN quadrangle), on left bank at Indiana America Water Company, Inc., 1st and Elm Streets in Terre Haute, 3.0 mi upstream from Sugar Creek, and 3.6 mi downstream from Lost Creek and at mile 215.

DRAINAGE AREA.--12,263 mi².

PERIOD OF RECORD.--August 1902 to December 1903 (gage height only), February 1905 to July 1906, October 1927 to current year. Gage-height records collected at site 100 ft downstream June 1891 to June 1897 and since December 1904 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 205: 1905. WSP 1335: 1944. WDR IN-73-1: Drainage area. WDR IN-84-1: 1983. WDR IN-86 1: 1913 (Gage height).

GAGE.--Water-stage recorder. Datum of gage is 445.78 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 17, 1984, water-stage recorder at Wabash Avenue bridge 3,400 ft downstream at datum 2.88 ft lower. See WSP 1725 for history of changes prior to Oct. 27, 1928.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 27, 1913, reached a stage of about 31.2 ft, present site and datum, discharge, 245,000 ft³/s.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3460	28600	16000	10400	26100	14900	30900	e42500	20500	9150	4160	4270
2	3310	23600	20800	9850	33300	14400	32400	e41000	19500	8620	4110	3990
3	3330	20600	23800	9440	38400	17100	34400	e38000	17700	7890	4030	3700
4	3020	19000	24200	9190	42600	22100	35800	e34000	15300	7270	4690	3380
5	2690	17900	23500	9290	44500	24200	35400	e30000	13500	6530	4600	3160
6	2590	17200	20800	9510	43500	25100	33400	e27800	13900	6110	4110	2980
7	2920	16400	17100	9310	39700	24300	31000	e31000	17400	5450	3550	2890
8	4050	15900	14500	8850	34900	22900	27000	e43200	18600	4950	3050	2820
9	5970	15500	13000	8360	30200	23300	25200	44200	17000	4720	2890	2620
10	7450	15100	11900	8050	25200	27500	27400	38700	15100	4730	2890	2510
11	7500	14700	10500	7780	21300	29300	28300	34300	13500	5250	2590	2400
12	10700	14500	9360	7430	19200	29500	28800	34000	16000	5760	2400	2360
13	15100	14200	9100	7340	17800	28900	30900	51100	17200	5230	2390	2340
14	29400	13700	10100	7230	16300	26500	33800	72200	18000	4840	2350	2200
15	35100	12500	14400	7210	14500	23200	35300	77500	19100	4400	2340	2190
16	39800	11000	18000	6970	13200	21800	34300	72500	17900	4100	2440	2140
17	44200	10100	27700	6820	12400	20000	32800	65200	15300	3990	2510	2190
18	46000	9420	34800	6470	11700	18000	30700	58400	13000	3930	2520	2140
19	45600	8970	38600	6360	11100	16500	27200	52700	11200	3890	2730	2190
20	44400	9110	39000	6180	14500	15700	23400	47500	10200	3830	18500	2320
21	42400	9090	38400	6110	26600	15100	e22300	42500	9580	4000	23100	2490
22	39000	9200	37800	6080	29900	14100	e26800	37300	9080	3660	17000	3030
23	34200	9430	35800	6030	30700	13000	e26000	31800	8560	4010	12000	3450
24	34000	9410	32500	5860	30000	12200	e24800	27900	8220	4390	21500	3430
25	37800	9640	28200	5840	26300	14200	e23200	25300	7870	4980	20900	3060
26	39300	9470	23100	5800	21700	17200	e22300	23100	7670	4840	16000	2860
27	39800	9520	19900	5680	18600	15600	e22600	20800	10400	3980	12300	2910
28	39800	9540	18000	5590	16400	16000	e31000	20000	12000	3670	8720	2880
29	39100	9960	16100	5590	---	17300	e40400	19600	10900	3800	6900	2870
30	36900	12100	13900	5910	---	23800	e43000	19300	9720	4440	5900	2980
31	33000	---	11600	8860	---	29300	---	19900	---	4190	4920	---
TOTAL	771890	405360	672460	229390	710600	633000	900800	1223300	413900	156600	228090	84750
MEAN	24900	13510	21690	7400	25380	20420	30030	39460	13800	5052	7358	2825
MAX	46000	28600	39000	10400	44500	29500	43000	77500	20500	9150	23100	4270
MIN	2590	8970	9100	5590	11100	12200	22300	19300	7670	3660	2340	2140
CFSM	2.03	1.10	1.77	0.60	2.07	1.67	2.45	3.22	1.13	0.41	0.60	0.23
IN.	2.34	1.23	2.04	0.70	2.16	1.92	2.73	3.71	1.26	0.48	0.69	0.26

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

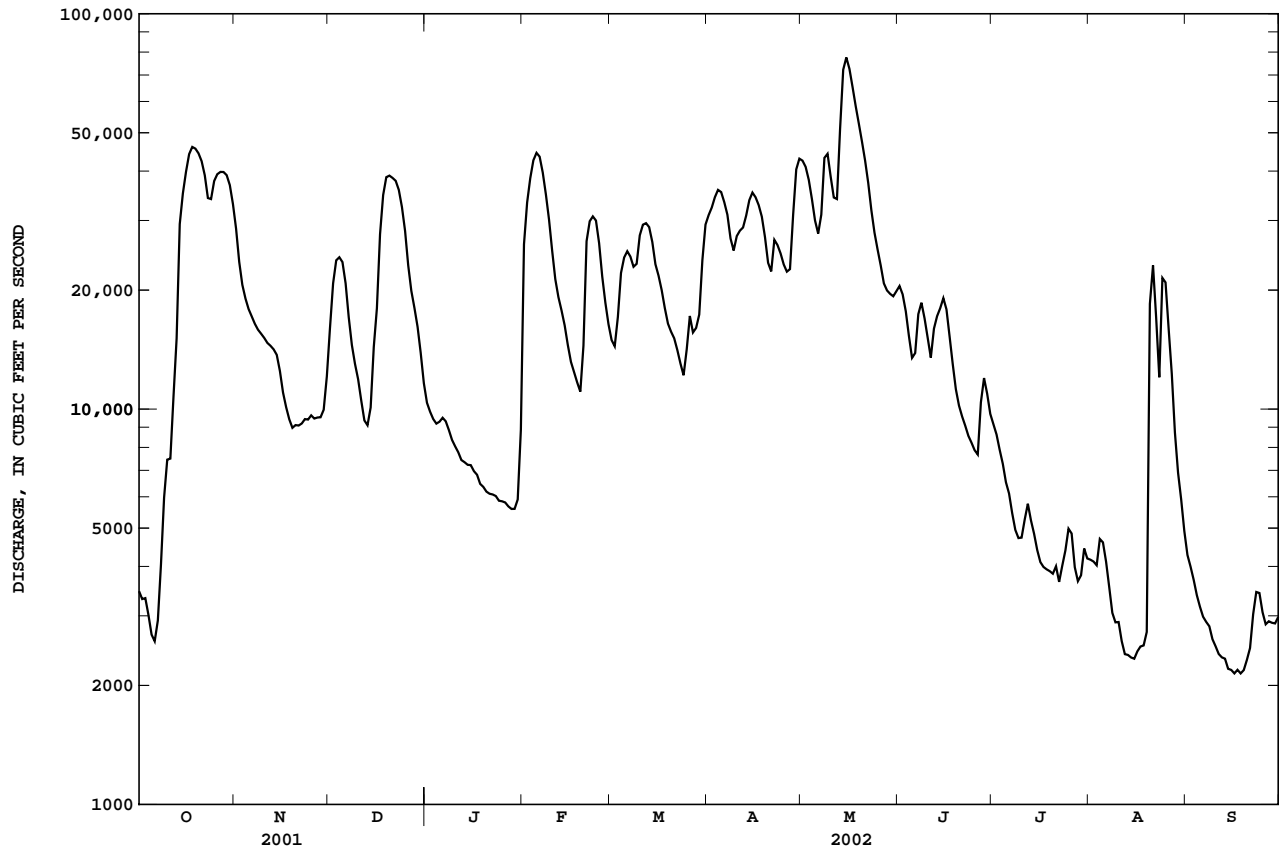
MEAN	4871	6780	10280	13650	15750	18710	19140	15710	12080	8147	5038	4009
MAX	24900	40220	44490	77540	47990	51250	41940	64810	44130	27840	21330	21440
(WY)	2002	1993	1928	1950	1950	1982	1938	1943	1958	1957	1958	1989
MIN	1103	1405	1145	1216	1998	2645	5250	2405	1492	1292	1002	966
(WY)	1957	1954	1964	1977	1963	1941	1931	1934	1934	1936	1941	1941

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1928 - 2002

ANNUAL TOTAL		4588150		6430140		
ANNUAL MEAN		12570		17620		11150
HIGHEST ANNUAL MEAN						22800
LOWEST ANNUAL MEAN						2864
HIGHEST DAILY MEAN						186000
LOWEST DAILY MEAN		46000	Oct 18	77500	May 15	701
ANNUAL SEVEN-DAY MINIMUM		1830	Aug 17	2140	Sep 16	732
MAXIMUM PEAK FLOW		2020	Aug 12	2200	Sep 14	189000
MAXIMUM PEAK STAGE				78500	May 15	30.50
ANNUAL RUNOFF (CFSM)		1.03		23.26	May 15	0.91
ANNUAL RUNOFF (INCHES)		13.92		1.44		12.36
10 PERCENT EXCEEDS		31700		37900		27600
50 PERCENT EXCEEDS		9100		14500		6450
90 PERCENT EXCEEDS		3560		3030		2000

e Estimated

03341500 WABASH RIVER AT TERRE HAUTE, IN--Continued



WABASH RIVER BASIN

03342000 WABASH RIVER AT RIVERTON, IN

LOCATION.--Lat 39°01'13", long 87°34'07", in NE¹/₄SW¹/₄ sec.30, T.7 N., R.10 W., Sullivan County, Hydrologic Unit 05120111, (MEROM, IN-IL quadrangle), on left bank at downstream side of Illinois Central Railroad bridge at Riverton, 0.5 mi downstream from Turtle Creek, 2 mi south of Merom, and at mile 162.0.

DRAINAGE AREA.--13,161 mi².

PERIOD OF RECORD.--October 1938 to current year. Prior to April 1939 monthly discharge only, published in WSP 1305. June 1911 to December 1914 (gage heights only) available in the U.S. Army Corps of Engineers office, Louisville, Ky.

REVISED RECORDS.--WSP 1335: 1939, 1950. WDR IN-73-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 414.65 ft above National Geodetic Vertical Datum of 1929. Prior to July 17, 1951, nonrecording gage at same site and datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 28, 1913, reached a stage of 26.4 ft, from graph based on once-daily readings by Illinois Central Railroad Co., discharge, 250,000 ft³/s.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3810	44100	15700	12200	20200	17700	28400	40400	23700	9960	4340	5250
2	3590	41300	18300	10900	28500	16100	30000	45400	23100	9510	4320	4670
3	3470	34200	22200	10200	30700	16800	31900	47100	21800	8950	4510	4350
4	3450	27000	24100	9740	33300	20000	33800	46900	19600	8350	4470	4060
5	3290	23000	24600	9490	36300	23100	35500	45400	17100	7770	4810	3770
6	3090	20500	23900	9600	39700	24800	36900	44700	15400	7130	4660	3570
7	2920	18800	21000	9660	42900	25500	37600	45800	16400	6660	4220	3390
8	3140	17500	17400	9330	44700	25000	37500	48900	19000	6080	3750	3280
9	4110	16600	14800	8880	44400	26000	35400	52000	19300	e5580	3320	3200
10	5960	16000	13200	8460	42200	28800	32000	53900	17800	e5230	3140	3040
11	7230	15500	11900	8230	36800	29200	30700	53700	16100	5250	3080	2860
12	9600	15000	10500	7900	29000	30200	30400	51800	15700	5710	2880	2780
13	13700	14600	10300	7610	24100	30800	31300	61600	18100	5960	2730	2700
14	25400	14300	12100	7480	20500	30800	32600	68700	18600	5500	2670	2660
15	30100	13600	16300	7350	17700	29300	34100	72700	19500	5110	2630	2610
16	31700	12200	17600	7270	15400	27800	35700	80300	19900	4730	2600	2520
17	33900	10900	26500	7050	13800	25700	37000	85600	18500	4480	2700	2470
18	36700	10100	32500	6840	12800	22700	37500	84500	16000	4540	2830	2500
19	39900	9330	34800	6600	12000	20000	37000	79100	13900	4340	2970	2470
20	42900	9000	36800	6450	12900	18800	34400	72300	12200	4280	5370	2540
21	45300	9000	38900	6270	20000	17800	30400	65500	11200	4190	19100	2630
22	46700	8940	40500	6210	26500	16400	31500	59000	10600	4250	20200	2710
23	47100	9070	41800	6170	28500	15000	31900	53300	9970	4250	14900	2960
24	48100	9370	42100	6160	29700	13800	29700	48300	9500	4670	13800	3460
25	49100	9680	41400	6030	30500	16500	28100	43000	9220	4740	20200	3440
26	48600	9700	38800	5960	29100	21300	27000	37300	8870	5160	18700	3180
27	47400	9570	32100	5890	25000	20500	25400	31300	8940	4920	14800	3100
28	46700	9540	25800	5790	20700	19600	30100	27900	11400	4220	11500	3020
29	46300	9970	21600	5720	---	19900	33900	26600	11900	3940	8570	2970
30	46100	13300	18000	5820	---	22200	36800	24300	11000	4110	7030	2950
31	45500	---	14700	7130	---	26200	---	23100	---	4490	6090	---
TOTAL	824860	481670	760200	238390	767900	698300	984500	1620400	464300	174060	226890	95110
MEAN	26610	16060	24520	7690	27420	22530	32820	52270	15480	5615	7319	3170
MAX	49100	44100	42100	12200	44700	30800	37600	85600	23700	9960	20200	5250
MIN	2920	8940	10300	5720	12000	13800	25400	23100	8870	3940	2600	2470
CFSM	2.02	1.22	1.86	0.58	2.08	1.71	2.49	3.97	1.18	0.43	0.56	0.24
IN.	2.33	1.36	2.15	0.67	2.17	1.97	2.78	4.58	1.31	0.49	0.64	0.27

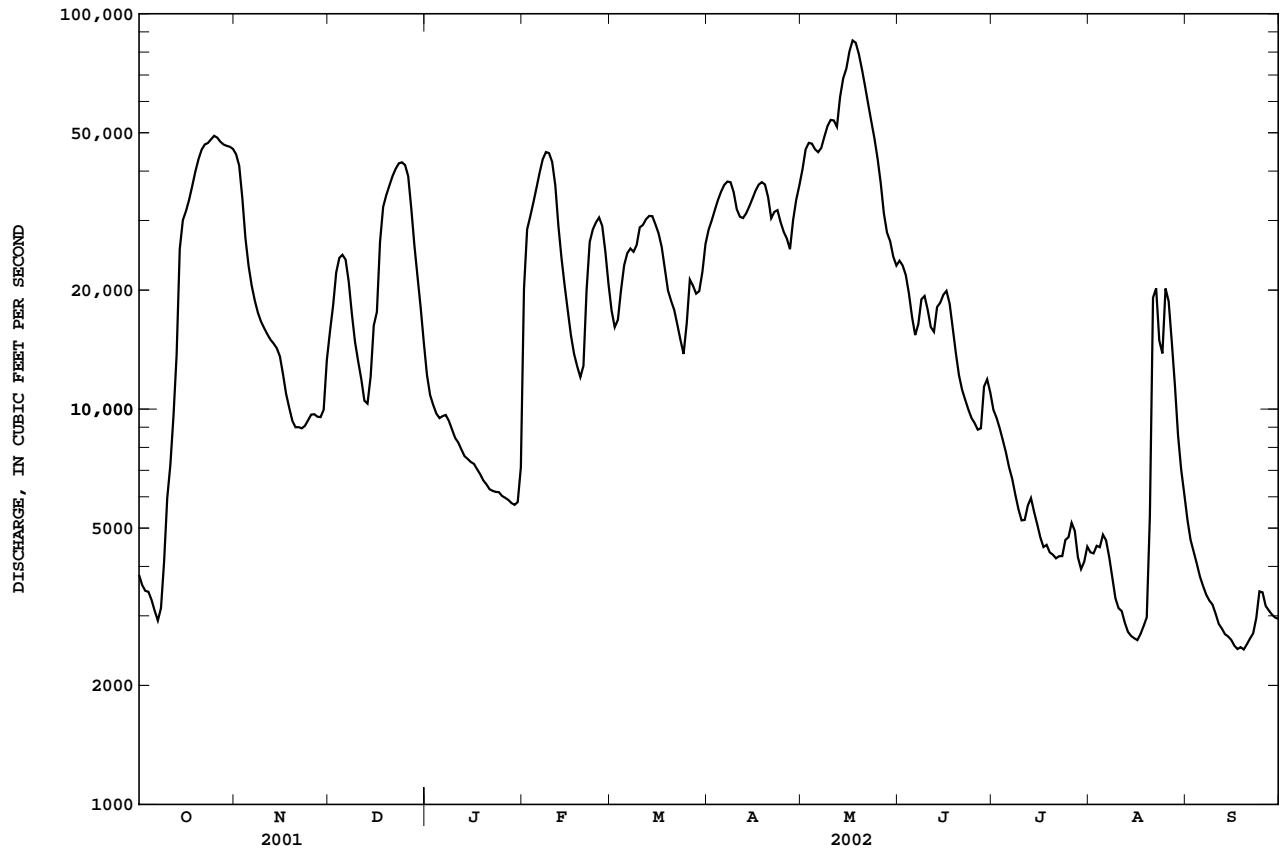
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2002, BY WATER YEAR (WY)

MEAN	5234	7403	10910	13690	17310	20830	21160	17680	14040	9195	5825	4547
MAX	26560	39340	39250	80210	54530	60520	41840	68010	45640	36240	23680	25370
(WY)	2002	1993	1986	1950	1950	1982	1957	1943	1958	1957	1958	1989
MIN	1382	1437	1213	1318	2058	2763	5623	3435	2601	1968	1215	1261
(WY)	1957	1954	1964	1977	1963	1941	2000	1941	1977	1988	1941	1940

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1940 - 2002
ANNUAL TOTAL	5042140	7336580	
ANNUAL MEAN	13810	20100	12290
HIGHEST ANNUAL MEAN			24340
LOWEST ANNUAL MEAN			3206
HIGHEST DAILY MEAN	49100	Oct 25	200000
LOWEST DAILY MEAN	2430	Aug 18	858
ANNUAL SEVEN-DAY MINIMUM	2560	Aug 13	870
MAXIMUM PEAK FLOW		86400	201000
MAXIMUM PEAK STAGE		22.81	29.36
ANNUAL RUNOFF (CFSM)	1.05	1.53	0.93
ANNUAL RUNOFF (INCHES)	14.25	20.74	12.68
10 PERCENT EXCEEDS	33900	44200	30000
50 PERCENT EXCEEDS	9570	16000	7220
90 PERCENT EXCEEDS	3860	3360	2260

e Estimated

03342000 WABASH RIVER AT RIVERTON, IN--Continued



03342100 BUSSERON CREEK NEAR HYMERA, IN

LOCATION.--Lat 39°12'54", long 87°18'41", in NW¹/₄NW¹/₄ sec.21, T.9 N., R.8 W., Sullivan County, Hydrologic Unit 05120111, (HYMERA, IN quadrangle), on right bank at downstream side of bridge on County Road 900 North, 1.3 mi upstream from East Fork Busseron Creek, 1.9 mi northwest of Hymera, 4.1 mi upstream from West Fork Busseron Creek, and at mile 30.3.

DRAINAGE AREA.--16.7 mi².

PERIOD OF RECORD.--June 1966 to current year.

REVISED RECORDS.--WDR IN-72-1: 1971. WDR IN-87-1: 1982-86.

GAGE.--Water-stage recorder. Datum of gage is 480.00 ft above National Geodetic Vertical Datum of 1929 (U.S. Soil Conservation Service bench mark).

REMARKS.--Records poor. Flow affected by U.S. Soil Conservation Service floodwater-retarding structures.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	2.7	45	e4.7	219	14	e20	64	e9.5	0.24	0.33	e0.0
2	1.3	2.2	30	e4.5	75	25	e18	67	e8.4	0.14	0.33	e0.0
3	8.7	1.7	19	e4.2	59	51	e17	38	e6.3	0.10	0.47	e0.0
4	5.6	1.7	12	e4.0	48	26	e16	26	e4.5	0.08	0.33	e0.0
5	1.8	1.7	9.3	e3.8	38	18	e15	20	e1.9	0.05	0.30	e0.0
6	1.0	1.7	7.7	e3.6	30	15	e14	91	e2.4	0.00	0.19	e0.0
7	0.40	1.7	9.0	e3.5	25	11	e13	504	e1.9	0.00	0.10	e0.0
8	0.20	2.0	13	e3.3	19	9.5	e25	245	e1.7	0.00	0.01	e0.0
9	0.01	1.9	10	e3.2	16	136	e18	121	e1.4	0.11	0.00	e0.0
10	0.03	1.7	8.0	e3.1	15	69	e14	70	e1.1	0.22	0.00	e0.0
11	1.7	1.4	12	e3.0	14	49	e11	55	e0.96	0.02	0.00	e0.0
12	23	1.1	12	e2.9	13	41	e97	401	1.2	0.00	0.00	e0.0
13	20	1.0	34	e2.9	12	33	e62	1230	1.5	0.00	0.82	e0.0
14	115	2.8	e113	e2.9	11	27	e47	365	1.2	0.00	0.62	e0.0
15	26	1.5	e200	e2.9	10	31	e33	114	1.7	0.00	0.31	e0.0
16	29	0.61	e60	e2.9	9.8	76	e25	72	1.9	0.00	0.12	e0.0
17	15	0.49	e203	e2.8	9.2	37	e19	48	0.99	0.00	0.00	e0.0
18	9.4	0.44	e150	e2.8	8.7	28	e16	40	0.73	0.00	0.01	e0.0
19	6.7	0.46	e100	e2.7	8.4	25	e14	31	0.59	0.06	0.13	e0.0
20	5.0	0.40	e47	e2.6	e42	57	e13	24	0.44	0.08	0.30	e0.90
21	3.6	0.40	34	e2.6	e30	35	e97	19	0.36	0.15	0.22	e0.70
22	2.6	0.40	25	e2.7	20	25	e51	15	0.33	0.29	0.11	e0.30
23	2.8	0.58	19	e5.1	15	20	e41	13	0.29	8.7	0.02	e0.10
24	83	10	15	e4.5	12	17	e32	12	0.30	4.7	0.00	e0.0
25	48	8.4	e11	e4.1	9.9	e140	e26	11	0.31	3.0	0.00	e0.0
26	13	4.3	e8.3	e3.7	23	e92	18	11	0.43	2.0	e0.0	e0.0
27	7.8	4.5	e7.2	e3.3	18	e55	122	9.9	0.35	1.6	e0.0	e0.0
28	5.3	4.8	e6.6	e3.1	16	e40	149	20	0.36	1.1	e0.0	e0.0
29	4.0	32	e5.9	e3.1	---	e100	65	22	0.25	0.84	e0.0	e0.0
30	3.2	201	e5.5	e3.1	---	e48	49	14	0.22	0.71	e0.0	e0.0
31	2.8	---	e5.0	76	---	e30	---	11	---	0.43	e0.0	---
TOTAL	445.94	295.58	1236.5	177.6	826.0	1380.5	1157	3783.9	53.51	24.62	4.72	2.00
MEAN	14.39	9.853	39.89	5.729	29.50	44.53	38.57	122.1	1.784	0.794	0.152	0.067
MAX	115	201	203	76	219	140	149	1230	9.5	8.7	0.82	0.90
MIN	0.00	0.40	5.0	2.6	8.4	9.5	11	9.9	0.22	0.00	0.00	0.00
CFSM	0.86	0.59	2.39	0.34	1.77	2.67	2.31	7.31	0.11	0.05	0.01	0.00
IN.	0.99	0.66	2.75	0.40	1.84	3.08	2.58	8.43	0.12	0.05	0.01	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2002, BY WATER YEAR (WY)

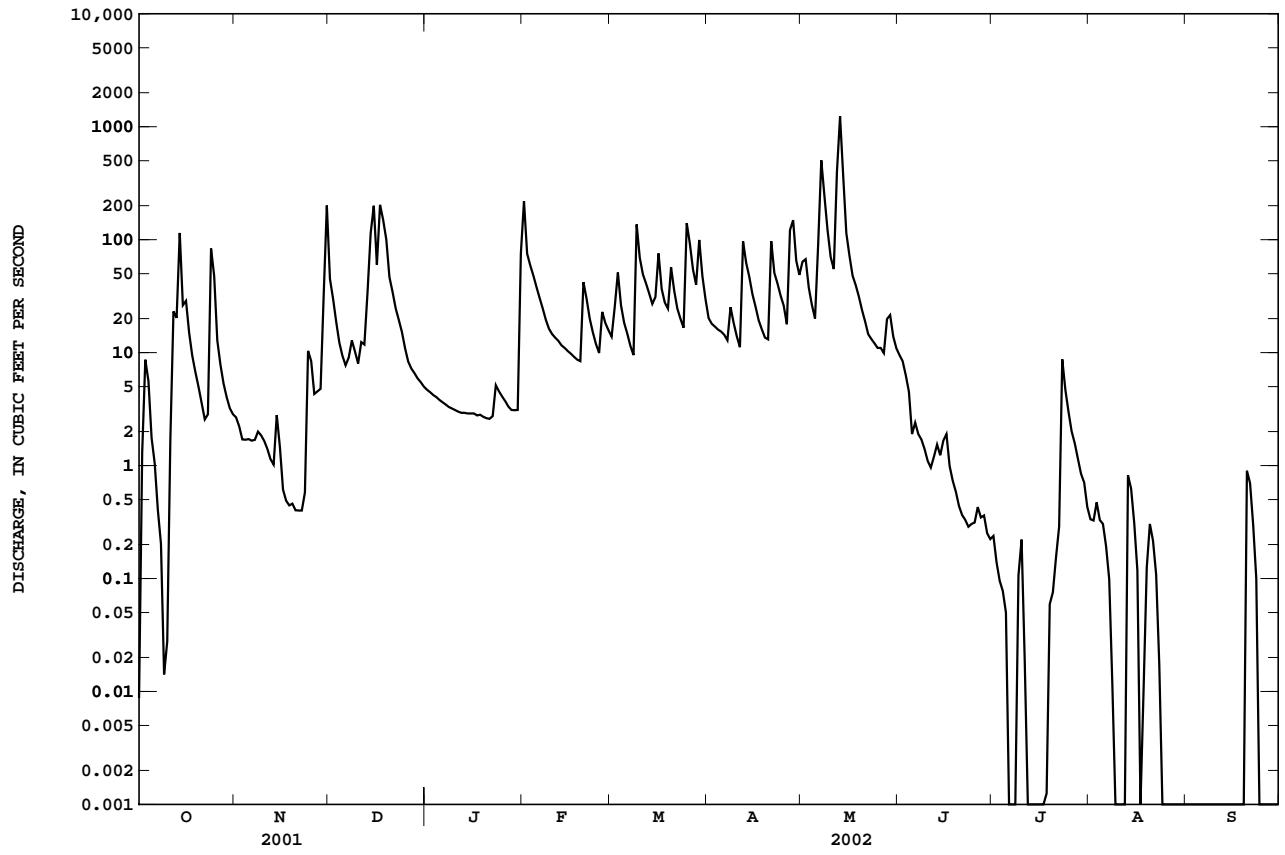
	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002			
MEAN	4.914	15.27	23.03	23.89	26.58	32.85	32.91	25.20	12.94	11.99	4.818	7.267																											
MAX	62.3	79.0	96.8	105	67.4	112	74.9	122	58.5	79.3	25.4	60.9																											
(WY)	2001	1994	1983	1969	1971	1973	1992	2002	2001	1973	1979	1989																											
MIN	0.020	0.058	0.026	0.006	1.63	3.52	1.48	1.23	0.22	0.17	0.065	0.000																											
(WY)	1988	1972	1977	1977	1978	2000	1971	1976	1977	1972	1983	1999																											

SUMMARY STATISTICS

	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1967 - 2002	
ANNUAL TOTAL	5833.56		9387.87			
ANNUAL MEAN	15.98		25.72		18.43	
HIGHEST ANNUAL MEAN					36.1	
LOWEST ANNUAL MEAN					6.93	
HIGHEST DAILY MEAN	459		1230		1250	
LOWEST DAILY MEAN	0.00		0.00		0.00	
ANNUAL SEVEN-DAY MINIMUM	0.06		0.00		0.00	
MAXIMUM PEAK FLOW			2430		2430	
MAXIMUM PEAK STAGE			19.51		19.51	
ANNUAL RUNOFF (CFSM)	0.96		1.54		1.10	
ANNUAL RUNOFF (INCHES)	12.99		20.91		14.99	
10 PERCENT EXCEEDS	32		59		44	
50 PERCENT EXCEEDS	4.1		4.5		3.7	
90 PERCENT EXCEEDS	0.47		0.00		0.10	

e Estimated

03342100 BUSSERON CREEK NEAR HYMERA, IN--Continued



WABASH RIVER BASIN

03342500 BUSSERON CREEK NEAR CARLISLE, IN

LOCATION.--Lat 38°58'27", long 87°25'33", in NW¹/₄ survey 17, Vincennes Tract, Sullivan County, Hydrologic Unit 05120111, (CARLISLE, IN quadrangle), on left bank 10 ft downstream from bridge on State Highway 58, 1.5 mi northwest of Carlisle, and 6.7 mi upstream from mouth, and 7.5 mi south of Sullivan.

DRAINAGE AREA.--228 mi².

PERIOD OF RECORD.--October 1943 to current year.

REVISED RECORDS.--WSP 1335: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 425.36 ft above National Geodetic Vertical Datum of 1929 (Indiana Department of Highways bench mark). Prior to Nov. 8, 1950, nonrecording gage at same site and datum. Nov. 8, 1950, to Oct. 31, 1969, at site 200 ft upstream at same datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow affected by U.S. Soil Conservation Service floodwater-retarding structures and surface-mined areas. Gage can be in backwater at times from the Wabash River.

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	10	129	1270	e83	2090	197	585	801	285	20	12	7.5
2	10	116	904	e78	1740	221	450	1260	252	26	11	7.4
3	9.8	102	461	e74	1590	657	399	1270	259	21	11	7.3
4	10	78	339	71	1030	379	334	900	206	16	10	7.3
5	18	64	278	69	556	263	281	544	169	15	9.7	7.0
6	17	65	266	68	437	221	244	1380	147	16	9.0	7.1
7	16	58	285	66	360	188	202	2560	128	14	9.1	7.5
8	14	55	239	59	314	175	203	2920	109	13	8.8	8.0
9	11	50	188	64	269	749	284	3030	95	19	9.0	7.7
10	11	45	145	68	218	1170	243	2770	85	33	8.1	7.7
11	41	43	130	78	177	843	196	2160	75	27	6.9	7.6
12	423	39	159	69	145	541	304	1690	71	25	7.2	7.0
13	304	37	419	64	120	427	1070	3190	221	18	7.8	6.2
14	1270	37	1060	60	107	335	851	3300	133	16	10	6.5
15	861	39	1310	58	99	276	555	3860	79	15	13	7.5
16	515	36	1180	54	91	799	352	3370	63	16	12	8.3
17	408	38	1890	52	82	673	269	2550	57	15	12	6.8
18	264	36	1960	49	72	419	219	1910	50	15	11	6.7
19	195	35	1810	54	77	375	191	1390	43	15	11	7.9
20	163	33	1510	51	506	853	184	965	42	14	15	66
21	151	30	926	49	574	770	609	777	37	15	15	54
22	147	28	526	50	324	444	1040	609	35	13	15	22
23	139	28	434	54	233	338	560	463	31	15	12	15
24	790	95	355	116	184	281	419	347	28	36	11	11
25	1040	240	285	105	156	1080	647	308	25	21	9.8	9.5
26	596	130	233	82	277	1520	384	238	24	16	9.0	9.2
27	362	229	183	74	287	1460	738	179	24	14	8.6	16
28	280	250	153	69	206	1180	1600	152	22	14	8.5	20
29	228	738	139	68	---	897	1430	255	20	14	8.5	14
30	187	1440	104	80	---	1110	1210	219	21	14	8.4	12
31	156	---	e89	660	---	903	---	181	---	15	7.8	---
TOTAL	8646.8	4343	19230	2696	12321	19744	16053	45548	2836	556	317.2	387.7
MEAN	278.9	144.8	620.3	86.97	440.0	636.9	535.1	1469	94.53	17.94	10.23	12.92
MAX	1270	1440	1960	660	2090	1520	1600	3860	285	36	15	66
MIN	9.8	28	89	49	72	175	184	152	20	13	6.9	6.2
CFSM	1.22	0.63	2.72	0.38	1.93	2.79	2.35	6.44	0.41	0.08	0.04	0.06
IN.	1.41	0.71	3.14	0.44	2.01	3.22	2.62	7.43	0.46	0.09	0.05	0.06

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

	MEAN	MAX	MIN	(WY)
MEAN	62.67	168.0	255.3	319.7
MAX	827	1250	1421	2380
(WY)	2001	1994	1983	1950
MIN	1.39	0.94	2.87	3.64
(WY)	1944	1955	1954	1977

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

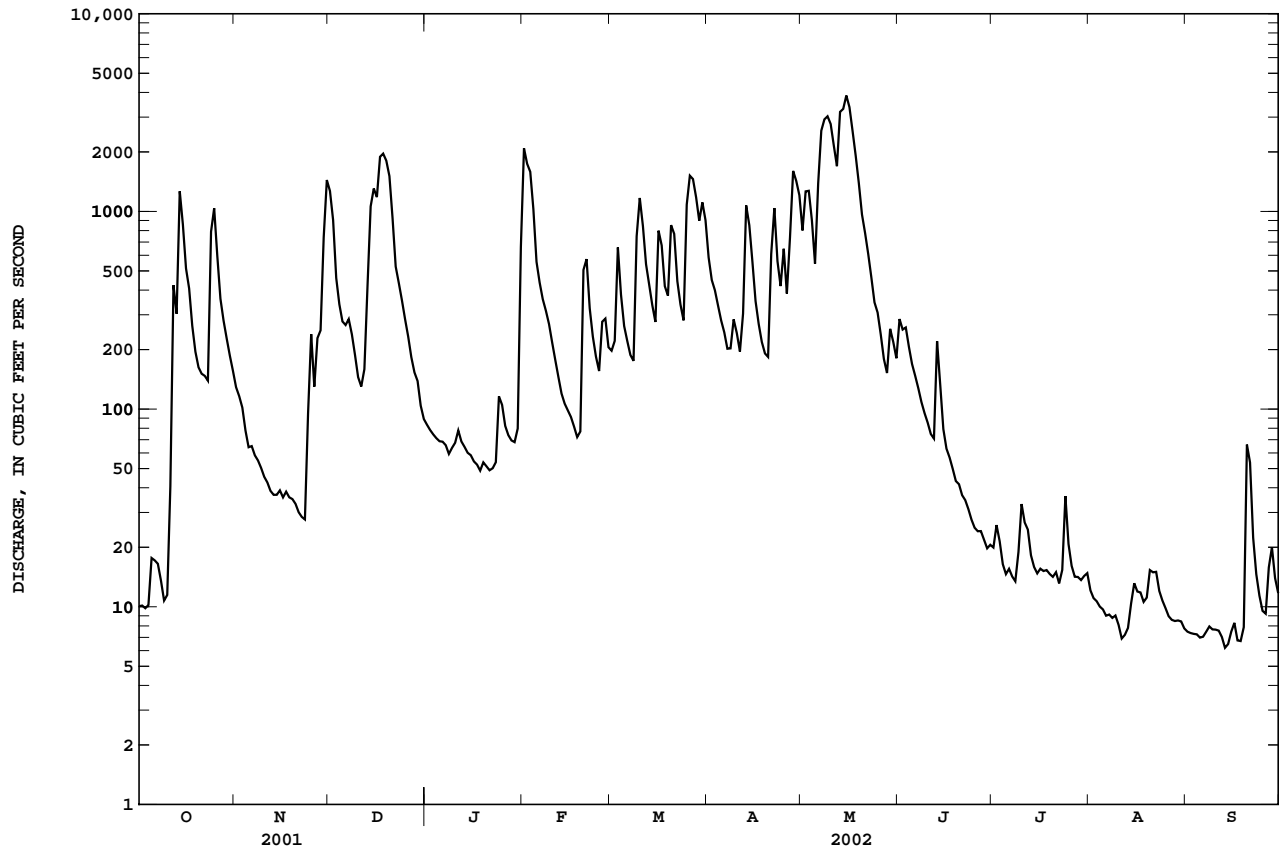
FOR 2002 WATER YEAR

WATER YEARS 1944 - 2002

ANNUAL TOTAL	78616.8	132678.7	
ANNUAL MEAN	215.4	363.5	
HIGHEST ANNUAL MEAN			233.7
LOWEST ANNUAL MEAN			548
HIGHEST DAILY MEAN	3600	Jun 7	10.8
LOWEST DAILY MEAN	8.9	Sep 17	8500
ANNUAL SEVEN-DAY MINIMUM	10	Sep 28	0.00
MAXIMUM PEAK FLOW			0.00
MAXIMUM PEAK STAGE			Jul 12 1954
ANNUAL RUNOFF (CFSM)	0.94		Jan 5 1950
ANNUAL RUNOFF (INCHES)	12.83		Jan 5 1950
10 PERCENT EXCEEDS	518		May 9 1961
50 PERCENT EXCEEDS	82		20.30
90 PERCENT EXCEEDS	13		1.03

e Estimated

03342500 BUSSEYON CREEK NEAR CARLISLE, IN--Continued



03347000 WHITE RIVER AT MUNCIE, IN

LOCATION.--Lat 40°12'15", long 85°23'14", in NE¹/₄NE¹/₄, sec.9, T.20 N., R.10 E., Delaware County, Hydrologic Unit 05120201, (MUNCIE WEST, IN quadrangle), on right bank 200 ft downstream from Walnut Street bridge in Muncie, 6 mi upstream from Bell Creek, and at mile 315.8.

DRAINAGE AREA.--241 mi².

PERIOD OF RECORD.--November 1930 to current year. Prior to October 1948, published as West Fork White River at Muncie. Daily gage heights from July 1923 to December 1929 are available in the district office.

REVISED RECORDS.--WSP 1335: 1931-32(M), 1936(M), 1938, 1948. WSP 1435: 1955. WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 917.10 ft above National Geodetic Vertical Datum of 1929 (City of Muncie bench mark). See WSP 1705 for history of changes prior to Jan. 28, 1942. Jan. 28, 1942, to Apr. 27, 1964, water-stage recorder at present site at datum 3.00 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow affected by regulation of Prairie Creek Reservoir and by diversion of municipal water supply by Muncie Water Works Co. above gage. Records of diversion available since October 1937.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 22.6 ft in March 1913, present datum, discharge, 20,000 ft³/s.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	275	1420	e150	3450	179	740	479	184	83	28	28
2	43	250	651	e137	2450	244	629	477	166	67	27	26
3	42	267	439	e127	904	908	1640	376	148	60	26	21
4	38	246	347	e119	590	525	988	316	137	56	26	20
5	97	220	289	e116	416	318	586	286	160	50	49	20
6	413	201	257	e116	329	258	455	281	353	44	43	18
7	323	187	233	e118	281	228	392	877	272	39	38	19
8	208	176	211	e108	252	215	359	1590	209	36	34	19
9	148	163	196	e114	224	386	951	1070	172	62	29	18
10	120	147	175	114	217	978	1020	609	149	180	29	18
11	215	138	159	112	274	485	576	430	132	120	31	17
12	1160	125	153	107	278	345	437	1260	119	66	29	19
13	928	117	203	106	235	300	1300	4390	110	52	29	17
14	1550	112	585	105	203	270	1530	4380	108	45	30	19
15	2040	106	1160	100	193	248	2110	1660	102	38	28	21
16	1420	104	613	95	181	380	929	801	96	33	28	20
17	1680	99	1860	90	162	438	563	601	83	31	29	19
18	854	96	3140	86	145	312	433	481	75	37	26	20
19	557	95	1510	82	136	253	419	397	69	36	53	24
20	420	92	727	84	190	243	438	337	63	37	40	83
21	339	90	505	82	224	266	651	299	58	36	39	46
22	288	88	407	81	205	235	1060	269	54	31	38	37
23	351	85	367	80	178	210	591	252	52	30	45	27
24	2930	101	322	93	164	197	439	237	48	29	45	18
25	4210	222	271	125	152	211	375	249	51	34	51	16
26	2120	198	241	120	178	271	320	246	56	40	36	16
27	813	166	226	107	207	336	375	221	183	59	30	40
28	561	186	211	97	181	641	2300	211	236	54	28	34
29	432	899	199	103	---	1720	1310	238	147	43	26	25
30	353	1950	e178	211	---	3150	655	215	103	35	25	15
31	305	---	e160	743	---	1420	---	194	---	31	26	---
TOTAL	25005	7201	17415	4028	12599	16170	24571	23729	3895	1594	1041	740
MEAN	806.6	240.0	561.8	129.9	450.0	521.6	819.0	765.5	129.8	51.42	33.58	24.67
MAX	4210	1950	3140	743	3450	3150	2300	4390	353	180	53	83
MIN	38	85	153	80	136	179	320	194	48	29	25	15
CFSM	3.35	1.00	2.33	0.54	1.87	2.16	3.40	3.18	0.54	0.21	0.14	0.10
IN.	3.86	1.11	2.69	0.62	1.94	2.50	3.79	3.66	0.60	0.25	0.16	0.11

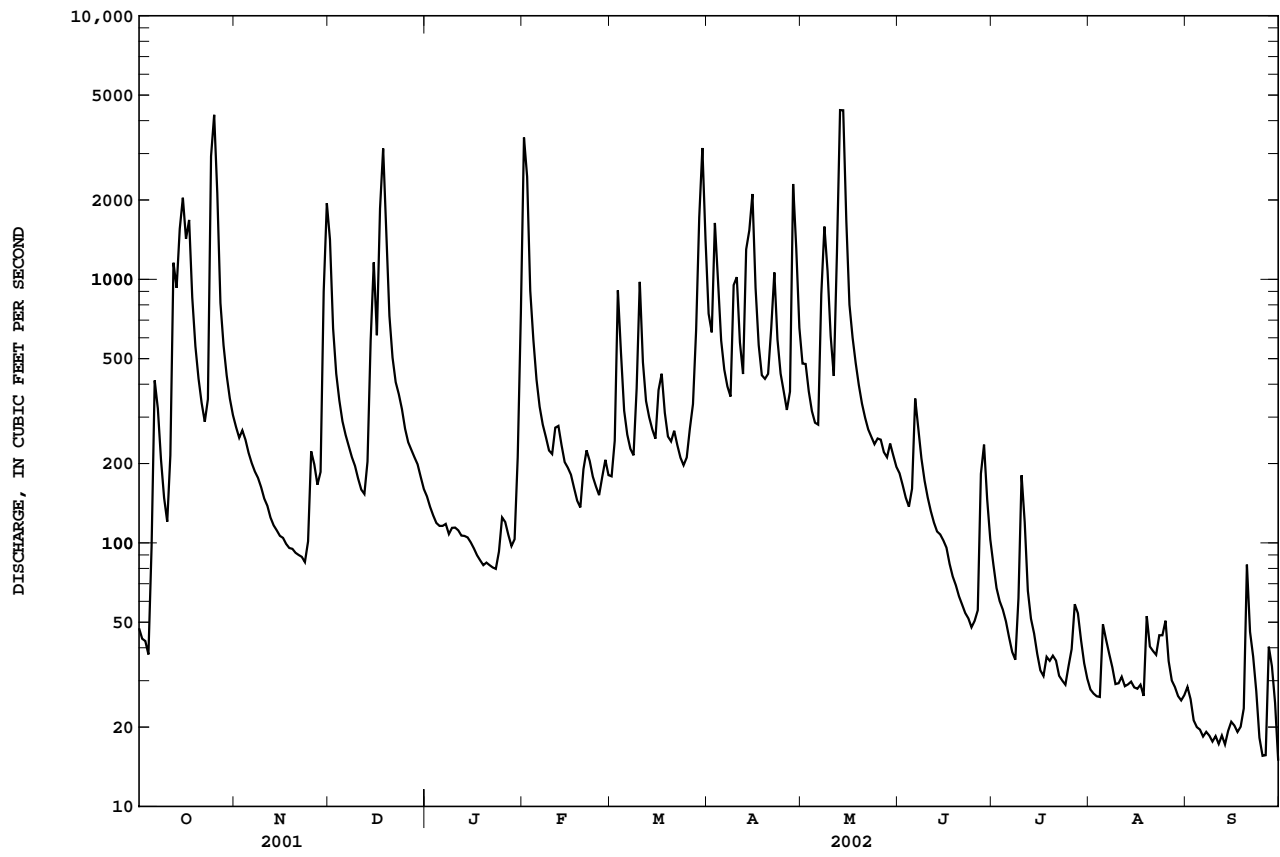
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2002, BY WATER YEAR (WY)

MEAN	67.50	145.0	224.1	295.6	339.9	408.1	405.5	269.6	219.2	120.4	69.09	58.39
MAX	807	1068	1119	1654	1122	963	1476	1239	1492	750	816	825
(WY)	2002	1994	1991	1950	1950	1978	1964	1933	1958	1992	1979	1989
MIN	2.30	7.33	6.57	6.38	21.2	39.0	46.4	16.4	13.6	9.55	4.80	1.96
(WY)	1957	1957	1961	1977	1935	1941	1941	1941	1988	1944	1940	1954

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1932 - 2002
ANNUAL TOTAL	110594	137988	
ANNUAL MEAN	303.0	378.0	217.7
HIGHEST ANNUAL MEAN			421
LOWEST ANNUAL MEAN			42.1
HIGHEST DAILY MEAN	4210	Oct 25	4390
LOWEST DAILY MEAN	21	Aug 15	15
ANNUAL SEVEN-DAY MINIMUM	25	Aug 9	18
MAXIMUM PEAK FLOW			4970
MAXIMUM PEAK STAGE			9.61
ANNUAL RUNOFF (CFSM)	1.26		1.57
ANNUAL RUNOFF (INCHES)	17.07		21.30
10 PERCENT EXCEEDS	709		938
50 PERCENT EXCEEDS	155		180
90 PERCENT EXCEEDS	57		29

e Estimated

03347000 WHITE RIVER AT MUNCIE, IN--Continued



03347500 BUCK CREEK NEAR MUNCIE, IN

LOCATION.--Lat 40°08'05", long 85°22'25", in SW¹/₄SE¹/₄ sec.34, T.20 N., R.10 E., Delaware County, Hydrologic Unit 05120201, (MUNCIE EAST, IN quadrangle), on left bank at downstream side of bridge on County Road 400 South, 1.0 mi upstream from Muncie Water Works Co. pumping station, 4.2 mi southeast of court house in Muncie, and at mile 10.6.

DRAINAGE AREA.--35.5 mi².

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

REVISED RECORDS.--WSP 1909: 1955, 1957. WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 944.67 ft above National Geodetic Vertical Datum of 1929. Prior to May 5, 1955, nonrecording gage at same site and datum.

REMARKS.--Records good.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, about 15 ft, from information by local residents. Date unknown.

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	24	48	93	32	535	40	82	67	47	32	21	18
2	24	49	63	31	147	58	86	73	44	31	21	18
3	24	49	51	31	98	142	159	60	43	29	20	16
4	24	45	46	30	77	64	91	54	41	29	20	16
5	34	42	42	30	62	52	76	51	49	28	21	16
6	60	39	41	31	55	49	69	52	50	27	22	15
7	37	38	38	30	51	46	64	190	45	26	20	17
8	32	37	36	29	48	43	65	124	42	25	20	17
9	29	36	35	29	46	102	118	91	40	28	20	15
10	30	35	34	30	47	90	88	67	39	29	20	15
11	70	35	32	30	54	61	72	58	38	26	19	17
12	238	34	33	29	48	55	68	226	38	25	20	17
13	85	33	42	29	44	51	131	765	37	24	20	16
14	323	33	146	28	41	46	222	224	37	25	20	17
15	171	32	99	28	41	44	127	121	36	24	20	17
16	183	31	67	27	39	63	85	92	35	23	19	17
17	132	31	362	27	37	51	72	83	34	24	19	16
18	80	30	236	26	35	46	63	73	34	24	19	15
19	64	30	98	26	36	43	73	66	33	24	27	16
20	54	29	68	25	44	48	64	61	32	24	22	27
21	49	29	55	25	47	47	139	58	32	23	20	22
22	47	29	50	25	42	42	102	55	32	22	20	18
23	89	28	50	26	38	40	77	53	31	23	23	17
24	361	30	45	31	37	39	70	52	31	22	22	16
25	374	58	42	29	36	55	73	54	31	22	21	16
26	130	38	40	27	43	69	62	53	31	23	20	16
27	86	39	38	26	42	90	94	49	53	25	19	25
28	68	40	37	26	39	164	312	51	52	23	19	19
29	59	142	35	27	---	258	105	55	37	23	19	17
30	54	255	34	45	---	249	78	51	34	23	18	16
31	51	---	33	133	---	106	---	48	---	22	18	---
TOTAL	3086	1424	2121	998	1909	2353	2987	3177	1158	778	629	520
MEAN	99.55	47.47	68.42	32.19	68.18	75.90	99.57	102.5	38.60	25.10	20.29	17.33
MAX	374	255	362	133	535	258	312	765	53	32	27	27
MIN	24	28	32	25	35	39	62	48	31	22	18	15
CFSM	2.80	1.34	1.93	0.91	1.92	2.14	2.80	2.89	1.09	0.71	0.57	0.49
IN.	3.23	1.49	2.22	1.05	2.00	2.47	3.13	3.33	1.21	0.82	0.66	0.54

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

MEAN	22.46	31.88	37.92	41.14	50.53	56.47	57.14	45.40	42.68	30.28	23.12	18.83
MAX	99.5	146	109	96.2	123	117	166	102	153	97.9	108	76.4
(WY)	2002	1994	1991	1959	1971	1982	1964	2002	1958	1992	1979	1989
MIN	8.73	9.30	8.77	6.36	11.2	16.4	16.7	17.2	11.3	8.64	9.00	8.13
(WY)	1964	1964	1965	1977	1964	1966	1966	1988	1988	1966	1965	1963

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

WATER YEARS 1955 - 2002

ANNUAL TOTAL	17725	21140	
ANNUAL MEAN	48.56	57.92	38.07
HIGHEST ANNUAL MEAN			57.9
LOWEST ANNUAL MEAN			15.4
HIGHEST DAILY MEAN	469	Apr 11	765
LOWEST DAILY MEAN	16	Jan 12	15
ANNUAL SEVEN-DAY MINIMUM	17	Jan 7	16
MAXIMUM PEAK FLOW			886
MAXIMUM PEAK STAGE			10.14
ANNUAL RUNOFF (CFSM)	1.37		1.63
ANNUAL RUNOFF (INCHES)	18.57		22.15
10 PERCENT EXCEEDS	88		102
50 PERCENT EXCEEDS	33		38
90 PERCENT EXCEEDS	22		20

03347500 BUCK CREEK NEAR MUNCIE, IN--Continued

