

03364500 CLIFTY CREEK AT HARTSVILLE, IN

LOCATION.--Lat 39°16'25", long 85°42'10", in NW¹/₄NW¹/₄ sec.36, T.10 N., R.7 E., Bartholomew County, Hydrologic Unit 05120206, (HARTSVILLE, IN quadrangle), at downstream side of left abutment of county highway bridge, 0.2 mi north of Hartsville, 5.9 mi upstream from Duck Creek, and at mile 22.0.

DRAINAGE AREA.--91.4 mi².

PERIOD OF RECORD.--February 1948 to current year.

REVISED RECORDS.--WSP 1335: 1950. WSP 1725: 1949(M). WSP 2109: Drainage area. WDR IN-74-1: 1973.

GAGE.--Water-stage recorder. Datum of gage is 677.34 ft above National Geodetic Vertical Datum of 1929. Prior to Sept. 24, 1952, nonrecording gage at same site and datum.

REMARKS.--Records fair except those below 1.0 ft³/s and estimated daily discharges, which are poor.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1913 reached an elevation of 702.4 ft above National Geodetic Vertical Datum of 1929, from floodmarks, upstream from bridge.

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	15	81	461	e58	1150	42	162	182	140	17	1.7	0.34
2	13	75	276	e56	450	54	137	164	100	15	1.3	0.30
3	12	70	200	e51	264	254	347	128	67	14	1.2	0.25
4	11	61	158	e48	183	151	262	109	53	12	1.1	e0.16
5	12	57	131	e47	131	109	174	98	51	11	0.91	e0.05
6	16	53	125	e45	112	90	141	107	362	9.4	0.78	0.00
7	17	50	143	e44	101	79	120	1560	256	8.1	0.68	0.00
8	19	48	125	e43	89	71	112	1730	135	7.4	0.62	0.00
9	15	44	107	e45	79	126	390	707	95	7.0	0.56	0.00
10	14	41	93	46	78	231	294	312	76	7.3	0.46	0.00
11	21	41	88	45	81	138	186	202	81	6.5	0.54	0.00
12	261	36	83	42	83	116	187	173	203	5.8	1.5	0.00
13	204	33	192	41	75	101	1380	3700	97	5.1	0.81	0.00
14	830	33	296	40	65	89	1260	1580	75	4.3	1.1	0.00
15	552	32	301	39	64	87	660	368	60	3.9	1.4	0.08
16	296	31	235	36	62	764	322	230	108	3.5	0.94	e0.04
17	265	30	3510	34	57	386	209	174	72	4.5	0.99	0.00
18	186	29	2040	33	50	250	158	147	48	4.6	1.1	0.00
19	141	30	495	32	48	201	134	118	38	38	1.6	0.00
20	110	29	294	32	53	410	256	102	33	17	1.3	0.03
21	89	29	206	31	52	336	608	89	29	6.2	1.1	0.04
22	76	27	164	30	44	200	758	79	27	22	0.85	0.03
23	73	27	206	29	40	155	313	74	25	20	0.74	0.08
24	923	29	191	45	38	131	210	74	24	7.2	0.65	0.03
25	921	57	146	69	38	290	275	108	22	4.6	0.50	0.00
26	344	61	123	56	50	1090	190	99	22	3.5	0.41	0.00
27	200	215	109	48	52	596	200	75	27	3.1	0.37	1.4
28	143	333	98	44	43	338	1720	78	30	2.8	0.36	0.86
29	116	1110	87	43	---	239	470	123	25	2.3	0.37	0.53
30	99	1010	e66	106	---	327	254	79	19	2.2	0.40	0.34
31	89	---	e64	368	---	215	---	64	---	1.9	0.36	---
TOTAL	6083	3802	10813	1726	3632	7666	11889	12833	2400	277.2	26.70	4.56
MEAN	196.2	126.7	348.8	55.68	129.7	247.3	396.3	414.0	80.00	8.942	0.861	0.152
MAX	923	1110	3510	368	1150	1090	1720	3700	362	38	1.7	1.4
MIN	11	27	64	29	38	42	112	64	19	1.9	0.36	0.00
CFSM	2.15	1.39	3.82	0.61	1.42	2.71	4.34	4.53	0.88	0.10	0.01	0.00
IN.	2.48	1.55	4.40	0.70	1.48	3.12	4.84	5.22	0.98	0.11	0.01	0.00

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

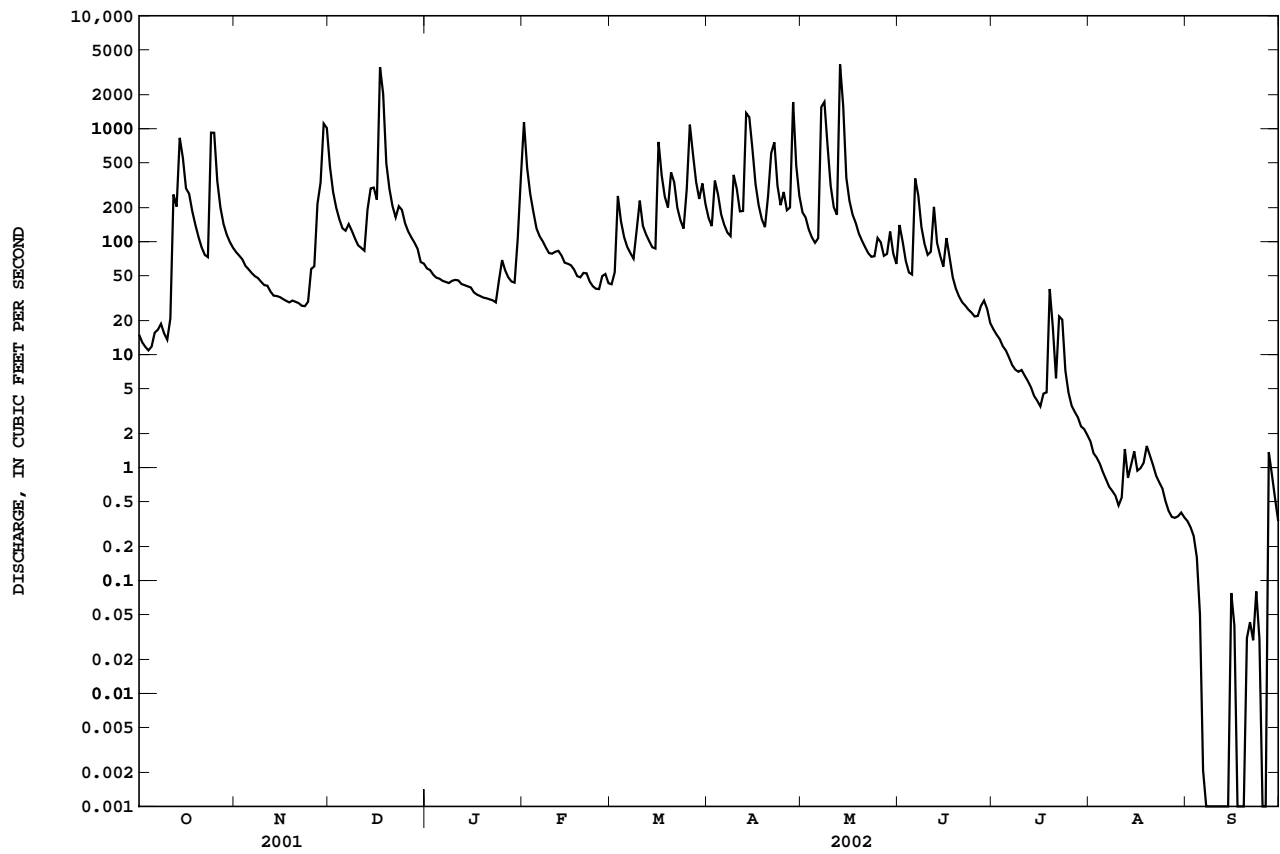
	MEAN	26.02	71.40	119.0	155.5	164.4	179.3	161.5	140.0	80.58	56.37	31.02	18.02
MAX	196	431	515	874	551	465	572	482	487	242	264	261	
(WY)	2002	1986	1991	1949	1950	1961	1996	1996	1998	1992	1995	1974	
MIN	0.000	0.000	0.13	1.47	7.17	21.1	17.7	10.9	1.16	0.000	0.000	0.000	
(WY)	1954	1954	1954	1977	1954	1954	1976	1976	1988	1954	1954	1953	

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1949 - 2002

ANNUAL TOTAL	44757.6	61152.46	
ANNUAL MEAN	122.6	167.5	99.97
HIGHEST ANNUAL MEAN			197 1950
LOWEST ANNUAL MEAN			9.00 1954
HIGHEST DAILY MEAN	3510 Dec 17	3700 May 13	6230 Apr 29 1996
LOWEST DAILY MEAN	4.2 Aug 30	0.00 Sep 6	0.00 Oct 14 1948
ANNUAL SEVEN-DAY MINIMUM	5.1 Aug 24	0.00 Sep 6	0.00 Sep 2 1951
MAXIMUM PEAK FLOW		5000 Dec 17	11300 Jan 21 1959
MAXIMUM PEAK STAGE		9.58 Dec 17	14.29 Jan 21 1959
ANNUAL RUNOFF (CFSM)	1.34	1.83	1.09
ANNUAL RUNOFF (INCHES)	18.22	24.89	14.86
10 PERCENT EXCEEDS	254	337	220
50 PERCENT EXCEEDS	48	61	32
90 PERCENT EXCEEDS	13	0.54	0.83

e Estimated

03364500 CLIFTY CREEK AT HARTSVILLE, IN--Continued



03365500 EAST FORK WHITE RIVER AT SEYMOUR, IN

LOCATION.--Lat 38°58'57", long 85°53'57", in NW¹/₄NE¹/₄ sec.7, T.6 N., R.6 E., Jackson County, Hydrologic Unit 05120206, (SEYMOUR, IN quadrangle), on left bank 1,700 ft downstream from highway bridge, 1 mi north of Seymour, 9.5 mi downstream from Sand Creek, and at mile 214.6.

DRAINAGE AREA.--2,341 mi².

PERIOD OF RECORD.--October 1927 to current year. Yearly maximum discharge only for water years 1924-27 published in WSP 1305. Daily gage heights from May 1923 to September 1927 are available in the district office.

REVISED RECORDS.--WSP 743: 1928-29, 1931-32. WSP 783: 1934. WSP 873: 1938. WSP 1335: 1928(M), 1929-30, 1932-33(M), 1937(M), 1942. WSP 1435: 1949. WSP 1705: 1958. WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 550.67 ft above National Geodetic Vertical Datum of 1929. Oct. 1, 1927 to July 2, 1931, nonrecording gage 1,700 ft upstream at datum 7.61 ft higher. July 3, 1931 to July 16, 1934, nonrecording gage at site 100 ft downstream at present datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 26, 1913, reached a stage of 21.0 ft, from information by Corps of Engineers and Indiana Department of Highways, discharge, 120,000 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	1090	3350	19000	2790	7990	1930	7020	11400	3190	2440	669	381
2	981	3050	14600	2620	12400	1840	5530	7500	3310	2020	645	368
3	895	2830	9950	2540	12200	3610	4980	6340	3170	1770	620	356
4	827	2720	6670	2470	9450	5610	5990	5500	2850	1590	598	347
5	780	2570	5200	2360	6300	5050	5520	4730	2700	1440	578	336
6	779	2440	4340	2320	4660	3700	4530	4490	6390	1320	558	327
7	897	2300	4260	2280	3820	3030	3880	7430	6260	1220	562	320
8	1140	2190	3910	2180	3320	2680	3490	31400	4430	1150	530	313
9	1160	2090	3440	2110	2950	2590	3970	42700	3500	1100	511	306
10	1040	1990	3040	2090	2720	5660	6390	33600	3230	1110	496	298
11	989	1920	2730	2090	2580	6870	6300	20300	e2900	1070	481	290
12	2160	1850	2530	2040	2490	5540	4970	9130	e2950	1160	468	283
13	5750	1780	3080	1980	2410	4300	8380	20200	e2920	1080	460	277
14	8110	1720	4630	1930	2260	3630	21900	46300	2770	994	479	274
15	13100	1670	7470	1890	2110	3180	26500	42300	3180	944	502	289
16	13600	1640	8140	1840	2020	6790	20200	35600	3360	891	484	311
17	13600	1600	15800	1780	1930	7360	12800	23100	3050	851	484	297
18	11600	1570	e24000	1730	1830	5810	7800	10000	2710	984	730	287
19	8800	1530	e42000	1700	1720	4570	6160	7310	2340	994	1180	283
20	5990	1510	e30000	1660	1710	6020	5620	6170	2090	1060	555	291
21	4530	1500	15700	1620	1860	7010	5760	5440	1930	1860	488	334
22	3700	1460	8250	1590	2040	5370	15400	4880	1800	1670	481	501
23	3220	1420	6770	1560	1960	4140	15700	4420	1710	1240	462	588
24	10200	1400	6360	1700	1800	3490	9370	4080	1620	1110	480	458
25	29700	1680	5430	2090	1700	3400	8840	5150	1550	1010	566	396
26	17700	2280	4670	1960	1760	8420	7650	5140	1540	905	515	365
27	13100	4290	4170	1830	2060	17100	6510	4410	2950	831	485	521
28	9530	5630	3830	1740	2110	12100	9830	3920	3260	787	453	953
29	5940	10500	3580	1680	---	8990	18300	4590	4080	753	433	644
30	4500	17400	3250	1850	---	7850	16400	4050	3250	736	410	564
31	3790	---	2960	3850	---	8200	---	3530	---	699	393	---
TOTAL	199198	89880	279760	63870	102160	175840	285690	425110	90990	36789	16756	11558
MEAN	6426	2996	9025	2060	3649	5672	9523	13710	3033	1187	540.5	385.3
MAX	29700	17400	42000	3850	12400	17100	26500	46300	6390	2440	1180	953
MIN	779	1400	2530	1560	1700	1840	3490	3530	1540	699	393	274
CFSM	2.74	1.28	3.85	0.88	1.56	2.42	4.07	5.86	1.30	0.51	0.23	0.16
IN.	3.17	1.43	4.45	1.01	1.62	2.79	4.54	6.76	1.45	0.58	0.27	0.18

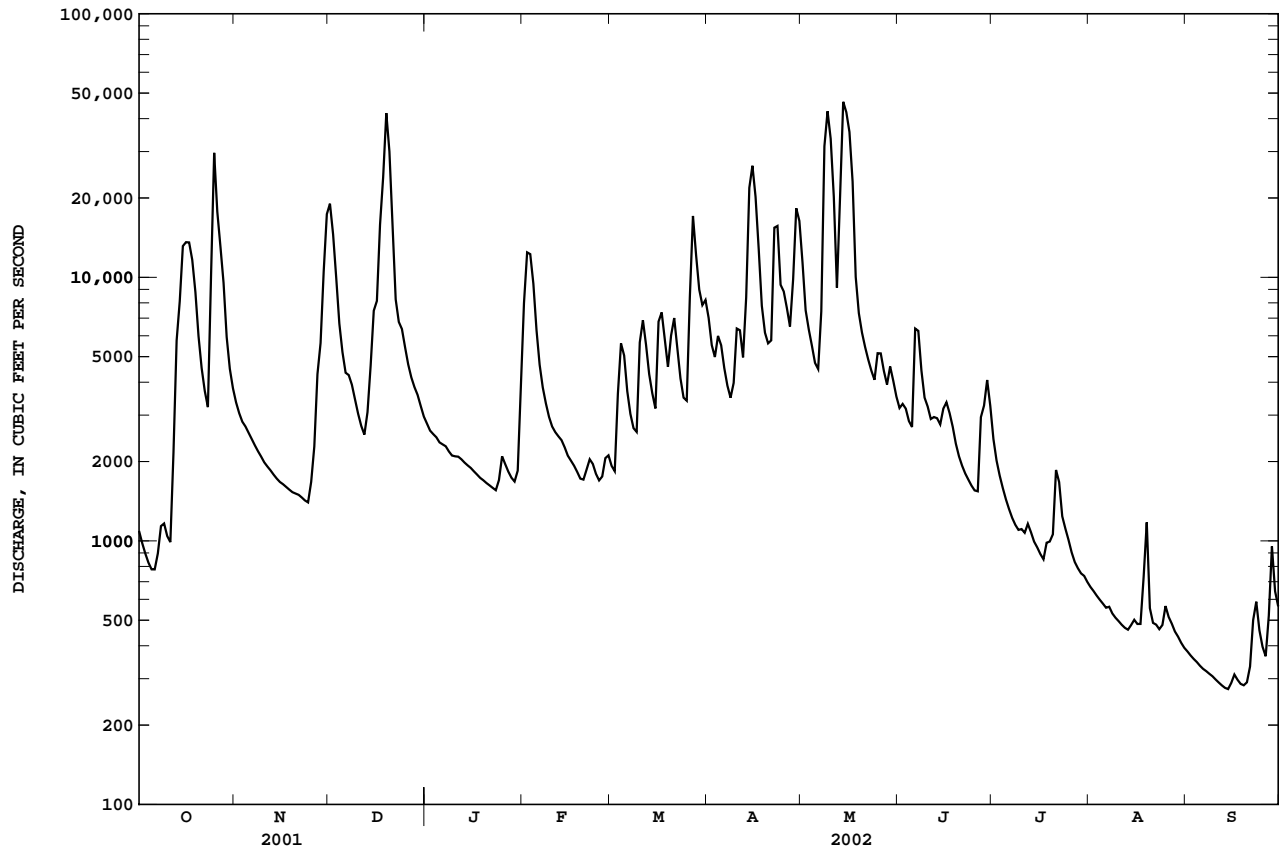
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2002, BY WATER YEAR (WY)

	MEAN	811.9	1621	2608	3773	3959	4533	4391	3606	2360	1596	955.4	646.7
MAX	6369	11570	9245	19560	12290	10690	9525	17020	12630	6040	8795	4244	
(WY)	2002	1994	1928	1950	1950	1963	2002	1996	1998	1979	1979	1989	
MIN	162	182	207	192	373	299	356	264	394	199	148	136	
(WY)	1941	1935	1964	1977	1931	1941	1941	1941	1931	1941	1941	1941	

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1928 - 2002
ANNUAL TOTAL	1099269	1777601	
ANNUAL MEAN	3012	4870	2565
HIGHEST ANNUAL MEAN			4865
LOWEST ANNUAL MEAN			287
HIGHEST DAILY MEAN	42000	Dec 19	63500
LOWEST DAILY MEAN	354	Sep 7	86
ANNUAL SEVEN-DAY MINIMUM	445	Sep 3	93
MAXIMUM PEAK FLOW		48200	78500
MAXIMUM PEAK STAGE		18.45	19.67
ANNUAL RUNOFF (CFSM)	1.29	2.08	1.10
ANNUAL RUNOFF (INCHES)	17.47	28.25	14.89
10 PERCENT EXCEEDS	6390	11500	5820
50 PERCENT EXCEEDS	1720	2580	1230
90 PERCENT EXCEEDS	660	484	300

e Estimated

03365500 EAST FORK WHITE RIVER AT SEYMOUR, IN--Continued



03366200 HARBERTS CREEK NEAR MADISON, IN

LOCATION.--Lat 38°46'55", long 85°29'08", in SW¹/₄SE¹/₄ sec.14, T.4 N., R.9 E., Jefferson County, Hydrologic Unit 05120207, (CLIFTY FALLS, IN quadrangle), mounted on left downstream wingwall of bridge on County Road 533 West, 0.2 mi west of Smyrna, 3.7 mi upstream from Big Creek, and 4 mi northwest of Madison.

DRAINAGE AREA.--9.31 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 725.75 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except those below 1.0 ft³/s 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	0.54	2.5	20	e2.9	181	5.1	3.9	6.1	1.4	0.97	0.01	0.00
2	0.53	2.3	9.5	e2.8	24	32	3.3	29	1.3	0.72	0.00	0.00
3	0.49	2.0	6.2	e2.5	14	53	3.0	9.6	1.1	0.58	0.00	0.00
4	0.56	1.8	4.6	e2.4	9.9	8.2	2.7	4.9	0.94	0.45	0.00	0.00
5	2.5	1.6	3.9	e2.3	7.5	4.7	2.3	3.5	1.1	0.33	0.00	0.00
6	7.6	1.5	47	e2.6	6.7	4.4	2.1	290	18	0.24	0.00	0.00
7	2.2	1.4	25	e2.3	6.1	3.6	1.9	82	5.7	0.26	0.00	0.00
8	1.3	e1.1	26	e2.0	5.2	2.9	1.9	524	2.8	0.20	0.00	0.00
9	1.1	e1.0	12	3.1	4.6	14	2.6	73	1.9	2.6	0.00	0.00
10	1.1	e0.87	7.0	5.3	5.1	11	2.5	22	1.5	2.6	0.00	0.00
11	1.3	e0.82	4.8	7.6	6.5	5.2	2.1	12	1.2	0.64	0.00	0.00
12	18	e0.78	5.2	5.6	5.4	4.7	2.0	10	2.5	0.33	0.00	0.00
13	13	e0.70	32	e4.4	4.5	4.7	82	423	6.2	0.26	0.00	0.00
14	224	e0.64	58	e4.2	3.9	3.6	111	46	6.1	0.25	0.00	0.00
15	31	e0.63	17	e3.4	3.7	3.3	27	16	2.5	0.15	0.00	5.6
16	39	e0.56	166	e2.9	3.5	84	9.8	9.7	2.2	0.07	0.00	0.67
17	17	e0.55	476	e2.6	3.2	15	6.1	35	1.5	0.21	0.00	0.18
18	9.1	e0.53	74	e2.4	2.9	8.4	4.7	40	1.2	2.2	0.00	0.04
19	6.5	e0.60	23	3.0	2.8	75	3.8	11	0.88	3.2	0.05	0.03
20	5.1	e0.84	14	2.9	8.1	178	8.6	7.4	0.71	0.96	0.08	0.17
21	4.2	e0.60	9.7	2.8	17	26	335	5.6	0.58	0.44	0.03	1.1
22	3.8	e0.56	8.5	3.3	7.8	10	145	4.5	0.50	0.50	0.00	0.39
23	146	e0.53	101	3.4	5.5	6.7	14	3.7	0.44	0.28	0.00	0.12
24	343	1.5	22	122	4.6	5.1	25	3.1	0.39	0.23	0.00	0.04
25	85	3.9	12	22	4.2	8.0	64	2.7	5.9	0.11	0.00	0.0
26	16	2.6	8.6	12	8.5	142	9.5	2.5	9.8	0.10	0.00	0.19
27	8.0	30	7.1	8.7	7.7	21	43	3.1	6.8	0.09	0.00	573
28	5.3	236	6.2	7.3	5.3	9.7	153	2.3	6.6	0.08	0.00	13
29	4.0	200	5.6	6.6	---	7.4	15	2.4	2.3	0.07	0.00	2.5
30	3.2	133	e4.4	49	---	6.9	7.4	2.1	1.4	0.05	0.00	1.2
31	2.7	---	e3.4	38	---	4.9	---	1.7	---	0.04	0.00	---
TOTAL	1003.12	631.41	1219.7	342.3	369.2	768.5	1094.2	1687.9	95.44	19.21	0.17	598.23
MEAN	32.36	21.05	39.35	11.04	13.19	24.79	36.47	54.45	3.181	0.620	0.005	19.94
MAX	343	236	476	122	181	178	335	524	18	3.2	0.08	573
MIN	0.49	0.53	3.4	2.0	2.8	2.9	1.9	1.7	0.39	0.04	0.00	0.00
CFSM	3.48	2.26	4.23	1.19	1.42	2.66	3.92	5.85	0.34	0.07	0.00	2.14
IN.	4.01	2.52	4.87	1.37	1.48	3.07	4.37	6.74	0.38	0.08	0.00	2.39

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

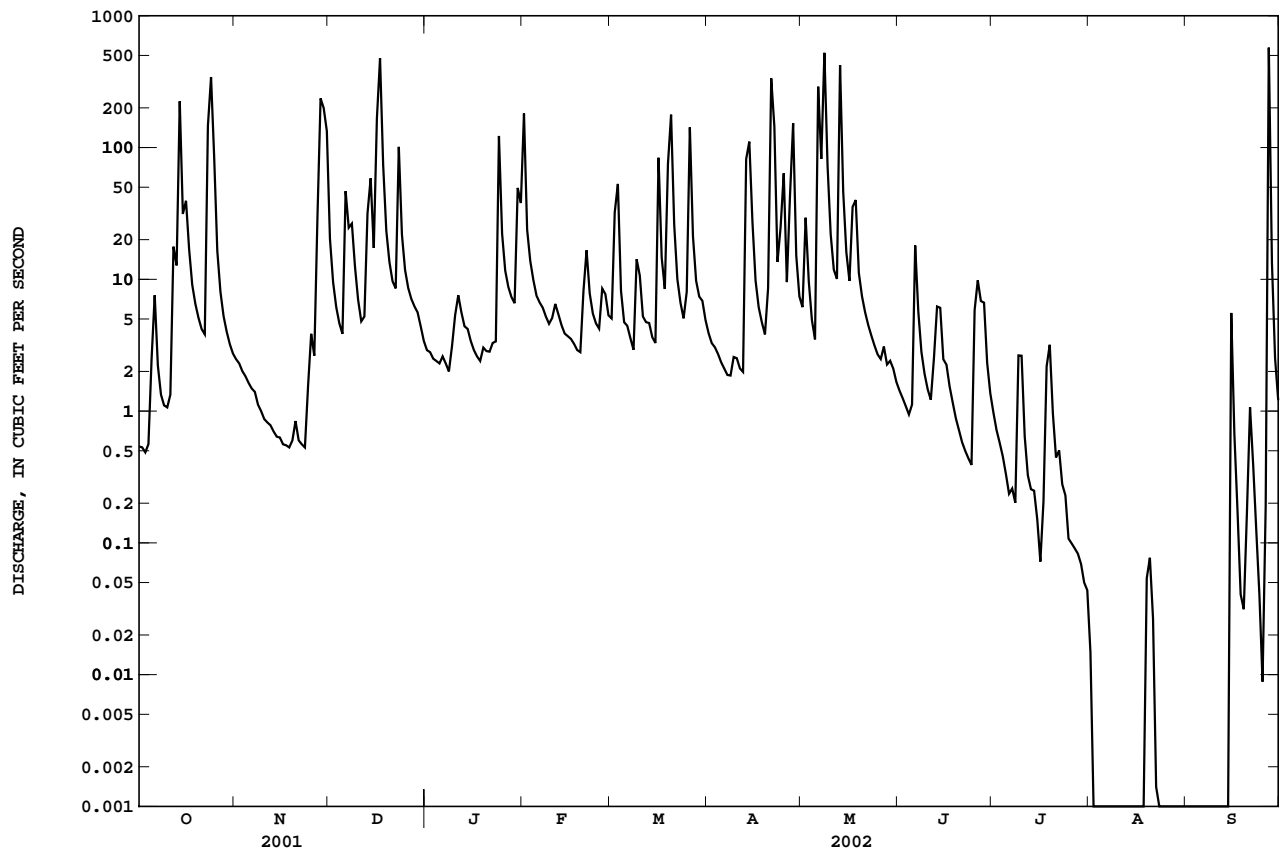
	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002			
MEAN	4.317	12.59	18.92	18.75	21.54	24.94	24.10	18.41	8.689	3.863	4.380	3.063																									
MAX	32.4	48.6	64.1	57.5	51.9	52.0	84.5	76.1	51.3	14.7	28.2	19.9																									
(WY)	2002	1980	1991	1982	1971	1975	1996	1996	1997	1993	1992	2002																									
MIN	0.036	0.11	1.52	0.49	1.47	4.72	2.21	0.72	0.083	0.21	0.000	0.000																									
(WY)	1998	2000	1977	1977	1992	1969	2001	1999	1988	1991	1999	1998																									

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1969 - 2002

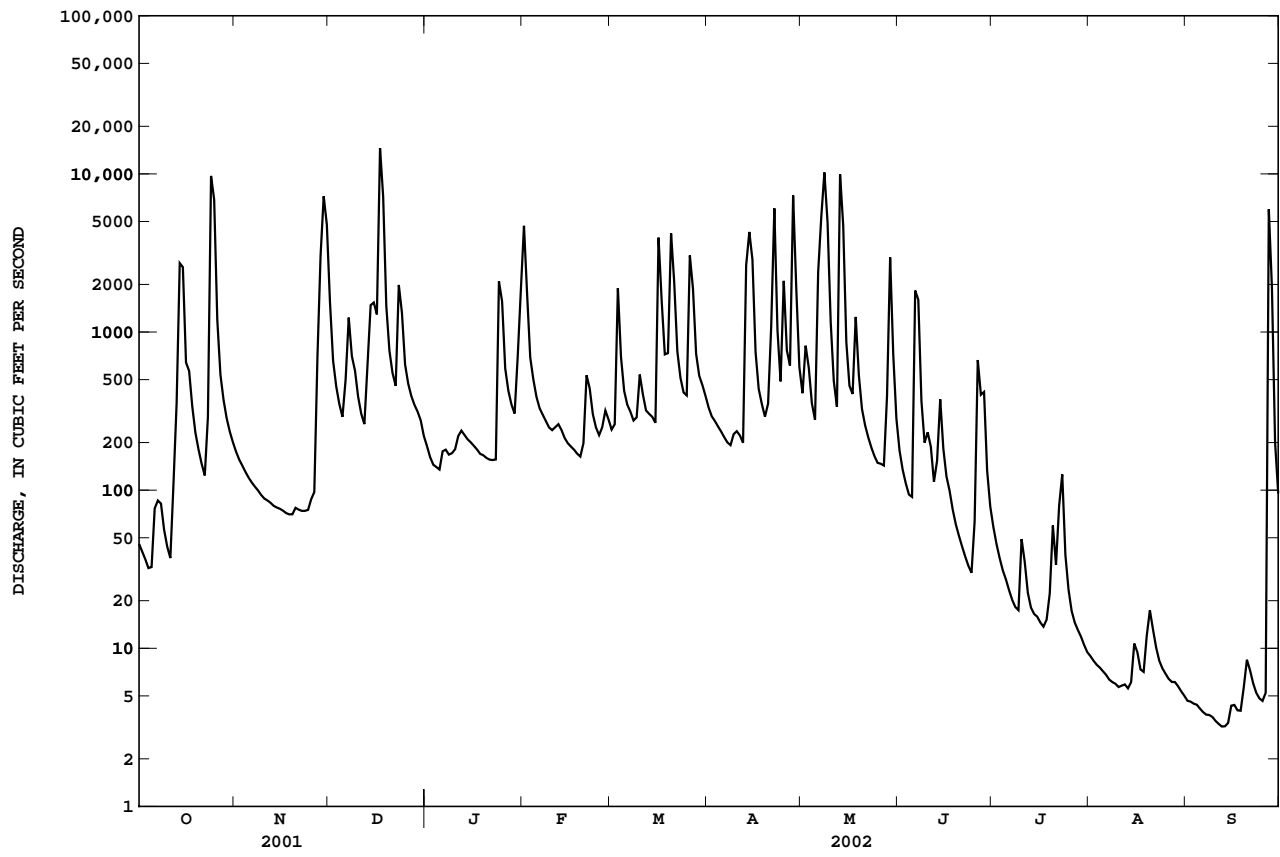
ANNUAL TOTAL	4931.32	7829.38	
ANNUAL MEAN	13.51	21.45	13.59
HIGHEST ANNUAL MEAN			23.7
LOWEST ANNUAL MEAN			6.13
HIGHEST DAILY MEAN	476 Dec 17	573 Sep 27	1110 Apr 29 1996
LOWEST DAILY MEAN	0.19 Aug 15	0.00 Aug 2	0.00 Oct 1 1968
ANNUAL SEVEN-DAY MINIMUM	0.36 Aug 11	0.00 Aug 2	0.00 Aug 26 1969
MAXIMUM PEAK FLOW		1630 May 8	2150 May 16 1990
MAXIMUM PEAK STAGE		7.61 May 8	8.96 May 16 1990
ANNUAL RUNOFF (CFSM)	1.45	2.30	1.46
ANNUAL RUNOFF (INCHES)	19.70	31.28	19.83
10 PERCENT EXCEEDS	28	39	26
50 PERCENT EXCEEDS	2.7	3.2	2.4
90 PERCENT EXCEEDS	0.56	0.00	0.07

e Estimated

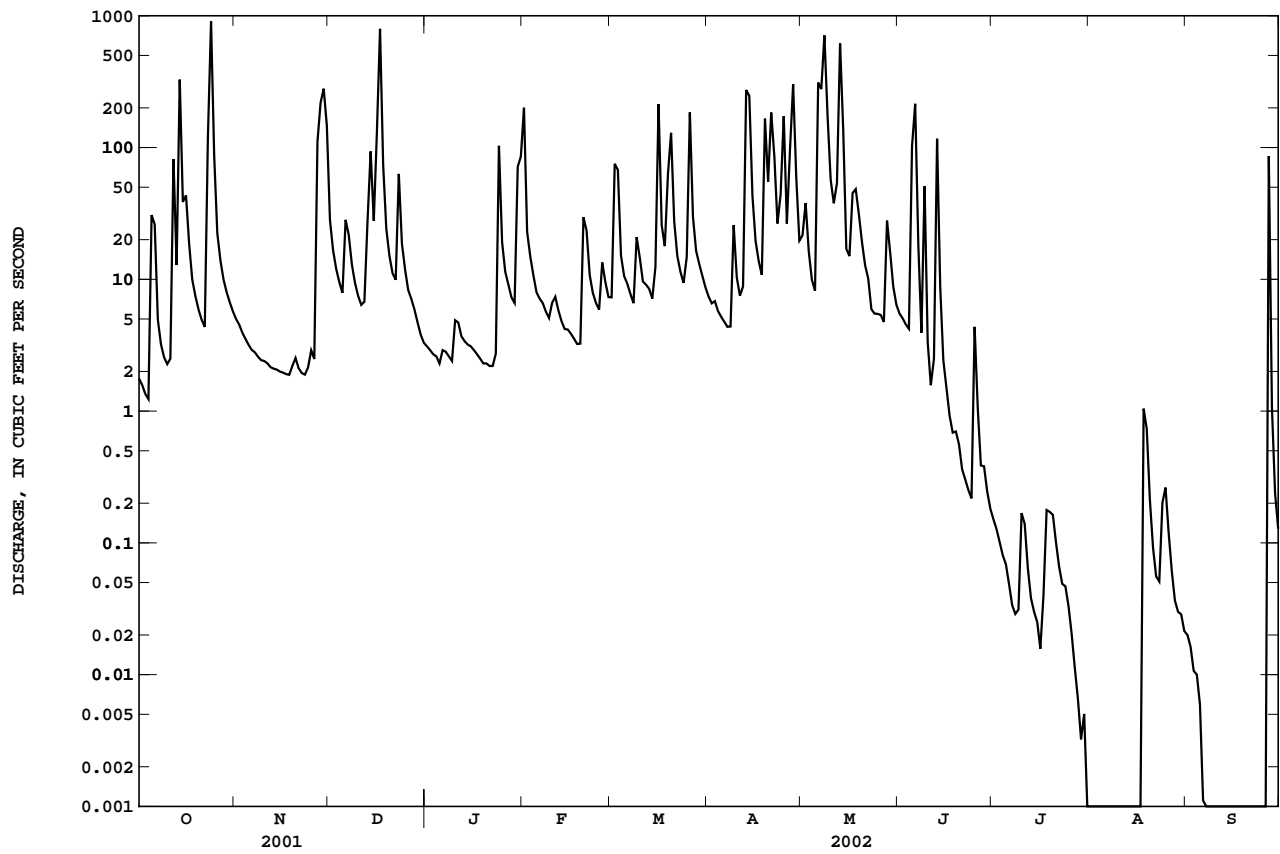
03366200 HARBERTS CREEK NEAR MADISON, IN--Continued



03366500 MUSCATATUCK RIVER NEAR DEPUTY, IN--Continued



03368000 BRUSH CREEK NEAR NEBRASKA, IN--Continued



03369000 VERNON FORK MUSCATATUCK RIVER NEAR BUTLERVILLE, IN

LOCATION.--Lat 39°02'55", long 85°32'40", in NW¹/₄SE¹/₄ sec.17, T.7 N., R.9 E., Jennings County, Hydrologic Unit 05120207, (BUTLERVILLE, IN quadrangle), on left bank 0.3 mi downstream from Muscatatuck State School dam, 1.1 mi downstream from Brush Creek, 2 mi northwest of Butlerville, and at mile 50.6.

DRAINAGE AREA.--85.9 mi².

PERIOD OF RECORD.--February 1942 to December 2001 (discontinued). Prior to October 1960, published as North Fork of Vernon Fork near Butlerville, and as Vernon Fork near Butlerville, October 1960 to September 1979.

REVISED RECORDS.--WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 669.40 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 19, 1942, nonrecording gage at same site and datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Water supply for the Muscatatuck State School is diverted and the sewage effluent returned above station. Flow regulated by Brush Creek Reservoir.

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	13	78	403	---	---	---	---	---	---	---	---	---
2	13	74	242	---	---	---	---	---	---	---	---	---
3	12	74	182	---	---	---	---	---	---	---	---	---
4	11	74	149	---	---	---	---	---	---	---	---	---
5	19	71	128	---	---	---	---	---	---	---	---	---
6	77	68	191	---	---	---	---	---	---	---	---	---
7	48	63	247	---	---	---	---	---	---	---	---	---
8	26	59	167	---	---	---	---	---	---	---	---	---
9	19	61	133	---	---	---	---	---	---	---	---	---
10	17	62	112	---	---	---	---	---	---	---	---	---
11	18	59	102	---	---	---	---	---	---	---	---	---
12	295	58	98	---	---	---	---	---	---	---	---	---
13	136	52	223	---	---	---	---	---	---	---	---	---
14	1000	46	565	---	---	---	---	---	---	---	---	---
15	300	44	367	---	---	---	---	---	---	---	---	---
16	183	45	366	---	---	---	---	---	---	---	---	---
17	158	42	5000	---	---	---	---	---	---	---	---	---
18	93	43	981	---	---	---	---	---	---	---	---	---
19	74	46	303	---	---	---	---	---	---	---	---	---
20	57	48	183	---	---	---	---	---	---	---	---	---
21	44	47	138	---	---	---	---	---	---	---	---	---
22	36	41	115	---	---	---	---	---	---	---	---	---
23	121	37	258	---	---	---	---	---	---	---	---	---
24	5830	42	181	---	---	---	---	---	---	---	---	---
25	1110	182	125	---	---	---	---	---	---	---	---	---
26	323	90	102	---	---	---	---	---	---	---	---	---
27	182	1380	90	---	---	---	---	---	---	---	---	---
28	128	1240	81	---	---	---	---	---	---	---	---	---
29	105	1970	75	---	---	---	---	---	---	---	---	---
30	94	1200	e50	---	---	---	---	---	---	---	---	---
31	84	---	e43	---	---	---	---	---	---	---	---	---
TOTAL	10626	7396	11400	---	---	---	---	---	---	---	---	---
MEAN	342.8	246.5	367.7	---	---	---	---	---	---	---	---	---
MAX	5830	1970	5000	---	---	---	---	---	---	---	---	---
MIN	11	37	43	---	---	---	---	---	---	---	---	---
CFSM	3.99	2.87	4.28	---	---	---	---	---	---	---	---	---
IN.	4.60	3.20	4.94	---	---	---	---	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2002, BY WATER YEAR (WY)

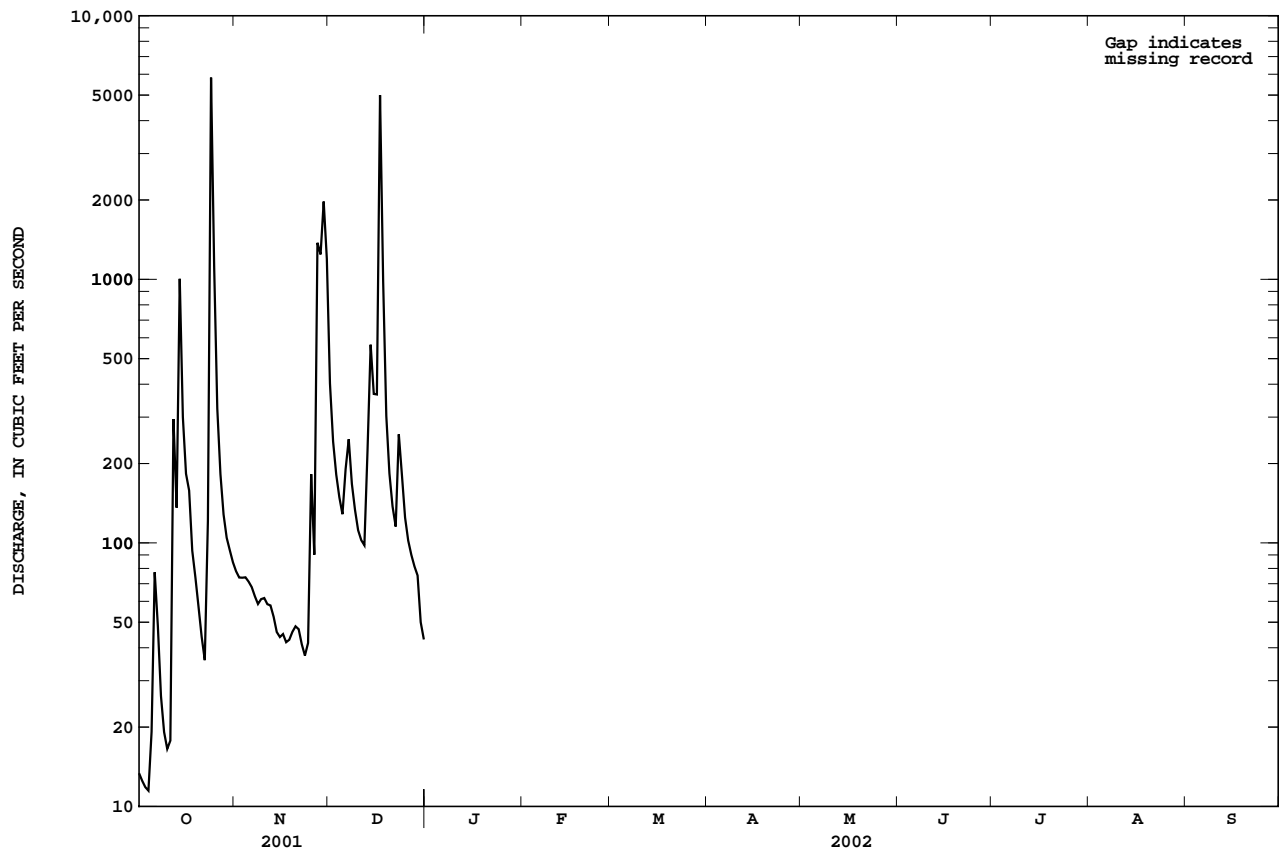
	21.76	62.43	108.6	151.1	159.4	197.6	168.9	128.9	63.49	44.55	28.32	15.88
MEAN	21.76	62.43	108.6	151.1	159.4	197.6	168.9	128.9	63.49	44.55	28.32	15.88
MAX	343	441	395	763	492	604	509	554	317	277	308	126
(WY)	2002	1986	1991	1950	1950	1945	1998	1968	1998	1992	1978	1950
MIN	0.33	0.34	0.37	1.28	11.3	29.3	18.4	6.91	1.56	1.22	1.32	0.37
(WY)	1952	1944	1944	1977	1964	1983	1976	1949	1965	1954	1951	1943

SUMMARY STATISTICS

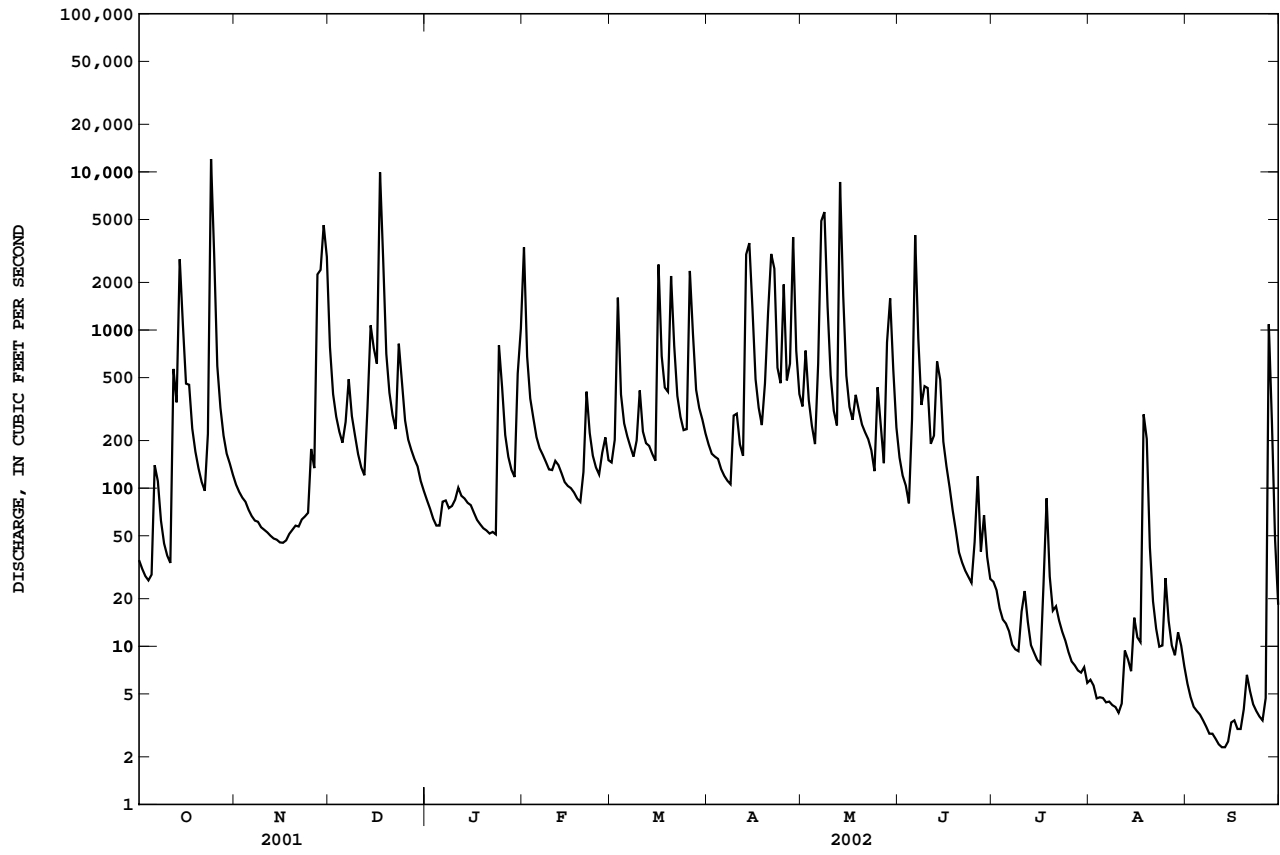
	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1943 - 2002	
ANNUAL TOTAL	47265.4		29422			
ANNUAL MEAN	129.5		319.8		95.51	
HIGHEST ANNUAL MEAN					320	
LOWEST ANNUAL MEAN					13.1	
HIGHEST DAILY MEAN	5830	Oct 24	5830	Oct 24	13200	Jan 21 1959
LOWEST DAILY MEAN	8.4	Sep 5	11	Oct 4	0.00	Jul 20 1944
ANNUAL SEVEN-DAY MINIMUM	12	Jun 27	28	Oct 1	0.00	Oct 29 1944
MAXIMUM PEAK FLOW			12900	Oct 24	26200	Jan 21 1959
MAXIMUM PEAK STAGE			17.19	Oct 24	25.41	Jan 21 1959
ANNUAL RUNOFF (CFSM)	1.51		3.72		1.11	
ANNUAL RUNOFF (INCHES)	20.47		12.74		15.11	
10 PERCENT EXCEEDS	225		856		186	
50 PERCENT EXCEEDS	43		92		20	
90 PERCENT EXCEEDS	14		29		1.4	

e Estimated

03369000 VERNON FORK MUSCATATUCK RIVER NEAR BUTLERVILLE, IN--Continued



03369500 VERNON FORK MUSCATATUCK RIVER AT VERNON, IN--Continued



03371500 EAST FORK WHITE RIVER NEAR BEDFORD, IN

LOCATION.--Lat 38°46'10", long 86°24'30", in SW¹/₄NE¹/₄ sec.21, T.4 N., R.1 E., Lawrence County, Hydrologic Unit 05120208, (BEDFORD EAST, IN quadrangle), on right downstream side of county road bridge, 0.4 mi upstream from Mill Creek, 2.9 mi downstream from Sugar Creek, 3.9 mi northeast of Mitchell, 7.8 mi southeast of Bedford, and at mile 153.3.

DRAINAGE AREA.--3,861 mi².

PERIOD OF RECORD.--May 1939 to current year (high-water records only October 1943 to September 1957).

REVISED RECORDS.--WSP 2109: Drainage area. WDR IN-73-1: 1972.

GAGE.--Water-stage recorder. Datum of gage is 473.59 ft above National Geodetic Vertical Datum of 1929. Prior to Feb. 6, 1940, nonrecording gage, and Feb. 6, 1940 to Sept. 24, 1957, water-stage recorder, at site 9.8 mi downstream at datum 4.39 ft lower.

REMARKS.--Records fair except those for Dec. 3 - Feb. 11, and Apr. 16 - June 10, which are poor.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of 47.5 ft, from floodmark determined by U.S. Army Corps of Engineers, discharge, 155,000 ft³/s, at former site.

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	1810	14000	16100	4910	9630	3730	14000	22900	7430	4500	978	554
2	1600	10200	20400	4450	11300	3630	12600	27100	6660	3580	937	529
3	1440	7420	25500	4130	12600	4740	10500	25600	5930	2960	906	513
4	1310	5290	26600	3920	15700	6200	8140	20600	4710	2580	876	498
5	1240	4420	23900	3780	18000	7970	7420	15700	4220	2330	824	477
6	1180	4040	19100	3660	17200	8680	7500	13600	5800	2140	791	460
7	1140	3760	14500	3560	13700	7710	6830	16000	7640	1990	762	444
8	1170	3530	11300	3490	10100	6010	5990	17400	9470	1810	746	442
9	1340	3290	9680	3420	7300	5330	5550	23000	9480	1670	736	443
10	1450	3100	8670	3320	5630	5860	5640	34800	8690	1630	708	434
11	1440	2930	7520	3320	4900	6650	6840	43200	7890	1610	685	416
12	1520	2780	6160	3340	4510	8190	7930	41000	6490	1540	666	394
13	1910	2650	5960	3340	4300	8460	9440	39300	5290	1530	638	388
14	5480	2540	6890	3280	4110	7310	12400	35800	5310	1540	642	371
15	8380	2420	8850	3180	3910	6210	17300	39000	5570	1450	656	382
16	9520	2310	10000	3080	3670	9600	22800	48300	5660	1370	710	372
17	10900	2230	17000	2980	3460	10800	28700	49100	5260	1300	699	382
18	12400	2160	23000	2880	3280	11700	29500	44100	4510	1250	663	375
19	13700	2100	29200	2790	3110	12600	26200	35400	3960	1240	672	370
20	14100	2050	45100	2700	2980	13100	20700	26800	3450	1420	1380	405
21	13200	2000	47000	2640	2970	13200	15600	19800	3030	1490	1610	414
22	9910	1960	42200	2580	3310	13300	15100	13900	2800	1680	1200	395
23	6540	1940	35000	2520	3870	13700	14700	10000	2600	2010	952	437
24	8330	1910	27400	3200	3840	13000	17600	7440	2420	1790	835	553
25	11900	2060	20800	4510	3460	11500	20600	5860	2470	1630	788	596
26	13000	2330	15800	5600	3320	11200	19800	5680	2590	1480	754	539
27	16900	4690	12500	6020	3450	11900	18100	6480	2790	1330	757	660
28	22600	7290	10200	5690	3630	13600	19600	6200	4110	1210	702	1250
29	24600	12500	8530	4770	---	17400	19400	5580	4740	1130	665	2740
30	22800	14600	6640	4160	---	18400	19400	6420	4800	1070	624	3290
31	18700	---	5530	5290	---	16400	---	7600	---	1010	592	---
TOTAL	261510	134500	567030	116510	187240	308080	445880	713660	155770	55270	25154	19523
MEAN	8436	4483	18290	3758	6687	9938	14860	23020	5192	1783	811.4	650.8
MAX	24600	14600	47000	6020	18000	18400	29500	49100	9480	4500	1610	3290
MIN	1140	1910	5530	2520	2970	3630	5550	5580	2420	1010	592	370
CFSM	2.18	1.16	4.74	0.97	1.73	2.57	3.85	5.96	1.34	0.46	0.21	0.17
IN.	2.52	1.30	5.46	1.12	1.80	2.97	4.30	6.88	1.50	0.53	0.24	0.19

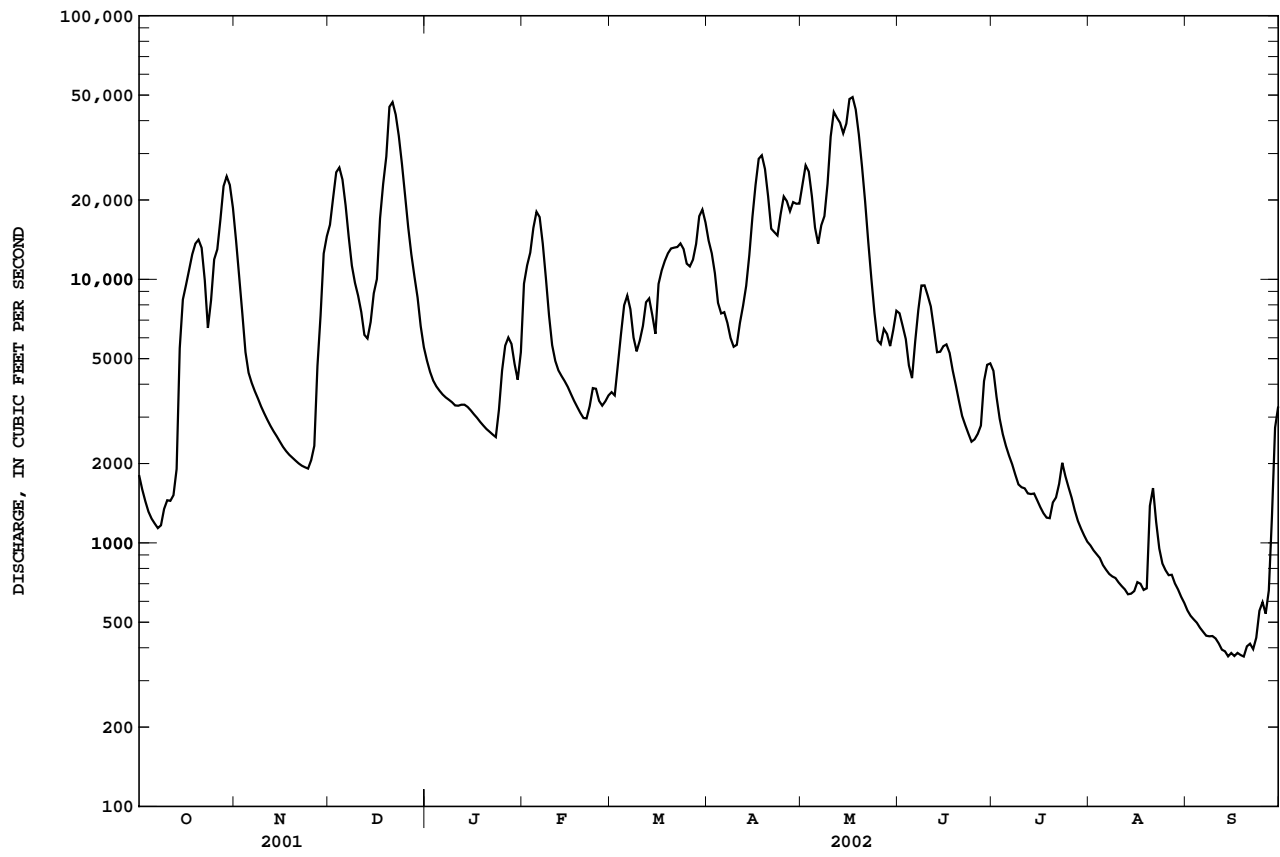
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2002, BY WATER YEAR (WY)

MEAN	1227	2428	4592	4953	6440	7988	7497	6711	3932	2491	1813	1108
MAX	8436	15520	18290	15010	15610	18710	15180	30650	16310	9649	11280	5234
(WY)	2002	1994	2002	1991	1982	1964	1989	1996	1997	1958	1979	1989
MIN	228	284	272	300	712	450	730	382	622	603	291	244
(WY)	1941	2000	1964	1977	1941	1941	1941	1941	1988	1941	1941	1941

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1940 - 2002

ANNUAL TOTAL	1871100	2990127										
ANNUAL MEAN	5126	8192								4254		
HIGHEST ANNUAL MEAN										8192		2002
LOWEST ANNUAL MEAN										643		1941
HIGHEST DAILY MEAN	47000	Dec 21	49100	May 17	78200	May 1	1996					
LOWEST DAILY MEAN	935	Sep 2	370	Sep 19	138	Sep 7	1941					
ANNUAL SEVEN-DAY MINIMUM	1030	Aug 13	377	Sep 13	196	Sep 5	1941					
MAXIMUM PEAK FLOW			49900	May 16	80500	May 1	1996					
MAXIMUM PEAK STAGE			31.29	May 16	36.32	May 1	1996					
ANNUAL RUNOFF (CFSM)	1.33		2.12		1.10							
ANNUAL RUNOFF (INCHES)	18.03		28.81		14.97							
10 PERCENT EXCEEDS	10600		20500		10500							
50 PERCENT EXCEEDS	2890		4510		2180							
90 PERCENT EXCEEDS	1260		680		482							

03371500 EAST FORK WHITE RIVER NEAR BEDFORD, IN--Continued



03371520 BACK CREEK AT LEESVILLE, IN

LOCATION.--Lat 38°50'48", long 86°18'06", in SW¹/₄SE¹/₄ sec.21, T.5 N., R.2 E., Lawrence County, Hydrologic Unit 05120208, (TUNNELTON, IN quadrangle), on left bank at downstream side of county road bridge, 0.9 mi west of Leesville, 2.5 mi upstream from Jones Defeat Hollow, and 7 miles upstream from mouth.

DRAINAGE AREA.--24.1 mi².

PERIOD OF RECORD.--October 1970 to current year.

REVISED RECORDS.--WDR IN-72-1: 1971.

GAGE.--Water-stage recorder. Datum of gage is 575.00 ft above National Geodetic Vertical Datum of 1929.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1913 reached a stage of 18.1 ft from information by local resident.

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	0.16	9.4	151	e10	672	e22	25	308	11	6.1	0.00	0.00
2	0.16	8.0	72	e9.0	169	94	21	306	9.1	e4.6	0.00	0.00
3	0.15	6.8	44	e8.0	95	215	24	107	7.6	e3.7	0.00	0.00
4	0.15	5.7	33	e7.0	61	e75	19	66	6.7	2.9	0.00	0.00
5	0.21	4.9	25	e6.0	44	52	17	48	9.5	2.3	0.00	0.00
6	0.28	4.3	32	e6.0	37	40	15	593	28	1.8	0.00	0.00
7	0.24	3.7	36	e5.6	32	32	14	461	15	1.5	0.00	0.00
8	e0.22	3.4	29	e5.2	27	27	13	1340	9.7	1.3	0.00	0.00
9	e0.20	3.0	22	e6.0	23	205	34	269	7.7	1.2	0.00	0.00
10	e0.18	2.7	19	e8.0	22	144	24	86	6.3	2.3	0.00	0.00
11	0.64	2.5	16	9.0	20	75	20	29	5.6	1.8	0.00	0.00
12	10	2.3	27	7.2	19	57	62	58	5.1	1.4	0.00	0.00
13	2.5	2.0	128	6.6	17	45	643	1670	7.2	1.1	0.00	0.00
14	107	2.0	231	6.4	16	36	558	336	7.2	1.1	e0.00	0.00
15	18	1.9	136	6.1	15	293	194	167	5.7	0.96	e0.00	e0.00
16	11	1.8	190	5.4	14	990	80	104	6.1	0.80	0.00	0.00
17	8.5	1.6	2010	e5.2	13	180	194	87	4.9	0.64	0.00	0.00
18	4.9	1.6	406	4.9	13	82	115	72	4.2	0.58	e0.20	0.00
19	3.3	1.7	178	5.0	12	108	130	53	3.7	0.49	e1.9	0.00
20	2.3	1.8	101	4.9	16	431	149	45	3.4	0.37	0.79	0.17
21	1.6	1.6	64	4.9	17	170	655	36	3.1	0.31	0.47	0.65
22	1.2	1.5	47	4.7	14	74	366	30	2.9	0.25	0.24	0.13
23	70	1.4	117	5.0	14	49	147	25	2.5	0.29	0.10	0.0
24	1240	3.8	72	166	13	37	98	20	2.4	0.32	0.06	0.00
25	269	20	49	61	13	53	83	28	2.7	0.20	0.0	0.00
26	76	11	38	34	38	570	62	30	3.6	0.10	0.00	0.00
27	37	298	30	24	e28	164	156	142	287	0.06	0.00	13
28	23	437	25	19	e24	79	395	55	68	0.02	0.00	2.9
29	17	865	19	17	---	54	134	28	15	0.00	0.00	1.1
30	14	485	e15	108	---	39	84	20	8.5	0.00	0.00	0.83
31	11	---	e12	189	---	30	---	15	---	0.00	0.00	---
TOTAL	1929.89	2195.4	4374	764.1	1498	4522	4531	6634	559.4	38.49	3.76	18.78
MEAN	62.25	73.18	141.1	24.65	53.50	145.9	151.0	214.0	18.65	1.242	0.121	0.626
MAX	1240	865	2010	189	672	990	655	1670	287	6.1	1.9	13
MIN	0.15	1.4	12	4.7	12	22	13	15	2.4	0.00	0.00	0.00
CFSM	2.58	3.04	5.85	1.02	2.22	6.05	6.27	8.88	0.77	0.05	0.01	0.03
IN.	2.98	3.39	6.75	1.18	2.31	6.98	6.99	10.24	0.86	0.06	0.01	0.03

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

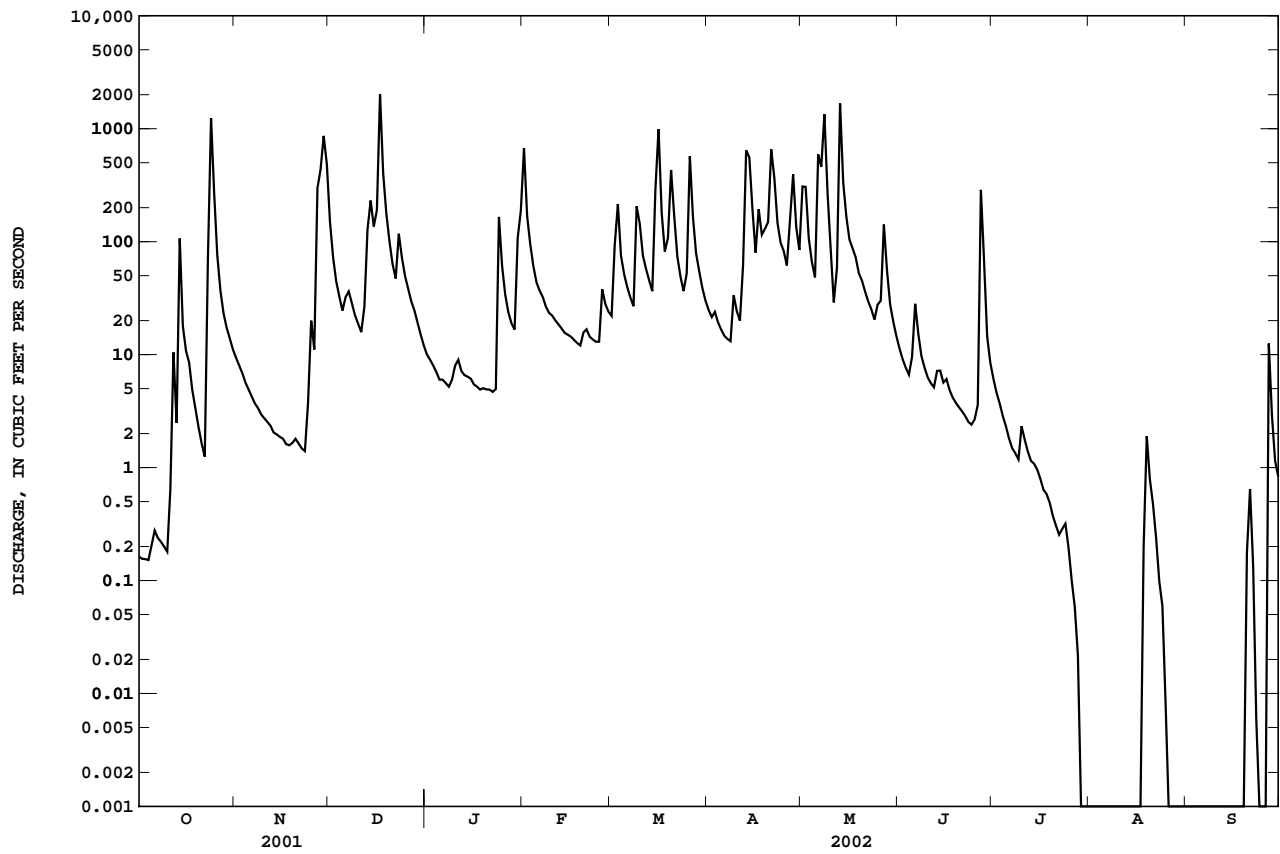
	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002				
MEAN	10.15	31.69	44.43	42.68	52.57	65.40	70.43	49.91	24.97	19.98	15.81	6.505																								
MAX	62.3	132	141	147	105	168	176	214	159	195	92.4	60.9																								
(WY)	2002	1986	2002	1982	1979	1989	1972	2002	1997	1973	1979	1974																								
MIN	0.000	0.008	1.71	0.98	5.78	9.74	6.84	2.70	0.25	0.014	0.037	0.000																								
(WY)	1989	2000	2000	1977	1992	1981	2001	1988	1988	1991	1999	1988																								

SUMMARY STATISTICS

	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1971 - 2002	
ANNUAL TOTAL	14253.49		27068.82			
ANNUAL MEAN	39.05		74.16		36.12	
HIGHEST ANNUAL MEAN					74.2	
LOWEST ANNUAL MEAN					14.4	
HIGHEST DAILY MEAN	2010		Dec 17		5000	
LOWEST DAILY MEAN	0.13		Sep 6		0.00	
ANNUAL SEVEN-DAY MINIMUM	0.17		Sep 28		0.00	
MAXIMUM PEAK FLOW			4800		15300	
MAXIMUM PEAK STAGE			8.98		14.00	
ANNUAL RUNOFF (CFSM)	1.62		3.08		1.50	
ANNUAL RUNOFF (INCHES)	22.00		41.78		20.36	
10 PERCENT EXCEEDS	71		173		77	
50 PERCENT EXCEEDS	7.0		11		9.0	
90 PERCENT EXCEEDS	0.24		0.00		0.27	

e Estimated

03371520 BACK CREEK AT LEESVILLE, IN--Continued



03372500 SALT CREEK NEAR HARRODSBURG, IN

LOCATION.--Lat 39°00'16", long 86°30'31", in NE¹/₄NW¹/₄ sec.34, T.7 N., R.1 W., Monroe County, Hydrologic Unit 05120208, (CLEAR CREEK, IN quadrangle), on right bank 0.35 mi downstream from Monroe Lake, 0.9 mi upstream from Clear Creek, 2.2 mi southeast of Harrodsburg, and 25.7 mi upstream from mouth.

DRAINAGE AREA.--432 mi².

PERIOD OF RECORD.--May 1955 to September 2001 (discharge). October 2001 to September 2002 (stage-only).

REVISED RECORDS.--WSP 1705: 1959. WSP 1725: 1956(M). WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 480.00 ft above National Geodetic Vertical Datum of 1929, (levels by U.S. Army Corps of Engineers). Oct. 1, 1960, to Sept. 30, 1974, water-stage recorder 0.1 mi upstream from site described in "LOCATION" paragraph. Prior to Oct. 1, 1960, nonrecording gage at site 0.7 mi upstream at datum 2.41 ft higher.

REMARKS.--Flow regulated by U.S. Army Corps of Engineers from Monroe Lake since April 1966.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 24.08 ft, Dec. 17, 2001; minimum gage height, 5.21 ft, Aug. 21, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 24.08 ft, Dec. 17; minimum gage height, 5.21 ft, 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	5.62	14.30	10.03	16.83	13.44	7.97	11.04	16.99	19.64	16.16	5.49	5.51
2	5.64	14.28	9.30	17.36	9.80	9.93	10.98	15.40	19.58	16.10	5.46	5.52
3	5.65	15.45	11.83	17.32	8.89	9.41	13.05	14.49	19.49	16.07	5.49	5.53
4	5.66	16.64	11.96	17.27	8.45	10.98	14.27	13.82	19.44	16.01	5.49	5.53
5	5.71	16.65	11.67	17.21	8.32	12.53	15.49	13.25	20.57	15.97	5.48	5.53
6	5.85	16.64	11.61	17.20	8.18	13.76	16.60	19.37	20.05	15.92	5.48	5.53
7	5.73	16.48	12.91	17.05	12.36	13.75	16.61	15.75	19.65	14.71	5.48	5.56
8	5.69	16.42	14.25	17.01	13.78	13.65	14.43	21.52	19.49	11.93	5.48	6.17
9	5.70	16.38	15.41	17.00	15.01	15.48	16.17	15.23	19.44	10.08	5.48	5.61
10	5.74	16.34	16.58	16.99	15.04	10.03	17.48	14.79	19.32	10.16	5.49	5.57
11	7.82	16.29	16.59	16.93	14.97	12.97	17.41	16.13	19.80	7.17	5.48	5.58
12	7.80	13.84	16.79	16.88	16.09	14.23	18.76	17.47	19.43	7.12	5.48	5.57
13	6.73	12.21	17.04	16.86	16.10	15.36	18.12	23.49	19.37	6.17	5.51	5.57
14	10.06	12.12	17.93	16.83	16.59	16.48	16.43	21.74	19.20	6.17	5.53	5.57
15	8.84	10.25	15.48	16.78	16.59	16.77	12.85	23.05	19.16	5.50	5.54	6.39
16	8.92	10.18	14.37	16.75	15.53	15.77	12.16	23.29	19.06	5.48	5.55	5.76
17	8.41	7.45	23.90	16.70	14.81	11.85	12.33	23.45	18.95	5.48	5.55	5.60
18	10.99	7.42	19.06	16.65	12.04	11.12	10.55	23.45	18.86	5.49	6.30	5.63
19	10.92	7.44	13.86	---	7.58	9.35	10.29	23.28	18.80	5.48	5.72	5.59
20	8.02	5.75	14.28	---	8.70	11.21	9.09	22.84	18.73	5.48	5.63	9.23
21	7.86	5.73	15.19	---	8.01	9.51	16.14	22.08	18.67	5.48	5.57	6.28
22	10.60	5.70	14.78	16.51	10.36	8.85	11.33	21.09	18.60	5.48	5.53	5.85
23	10.75	5.69	13.44	15.43	10.35	12.85	13.58	20.40	18.56	6.08	5.55	5.69
24	17.29	7.68	11.16	15.23	10.31	12.79	13.56	20.05	18.51	5.64	5.56	5.61
25	11.42	6.16	8.96	15.00	10.31	14.42	13.73	20.33	16.40	5.53	5.53	5.57
26	9.62	7.65	8.22	13.65	10.81	16.31	13.43	19.98	16.28	5.49	5.52	5.59
27	8.92	9.66	8.08	13.56	8.12	12.95	15.81	19.87	17.92	5.51	5.52	6.86
28	8.98	12.54	12.69	12.09	8.04	12.01	15.65	19.80	16.48	5.51	5.52	6.00
29	9.18	14.11	15.54	10.29	---	11.77	13.02	19.83	16.28	5.49	5.52	5.77
30	11.41	13.13	16.82	11.04	---	11.53	13.89	19.73	16.21	5.63	5.51	5.74
31	12.97	---	16.88	12.59	---	11.29	---	19.68	---	5.52	5.51	---
MEAN	8.53	11.69	14.08	---	11.73	12.48	14.14	19.41	18.73	8.52	5.55	5.85
MAX	17.29	16.65	23.90	---	16.59	16.77	18.76	23.49	20.57	16.16	6.30	9.23
MIN	5.62	5.69	8.08	---	7.58	7.97	9.09	13.25	16.21	5.48	5.46	5.51

03372500 SALT CREEK NEAR HARRODSBURG, IN--Continued

WATER-QUALITY RECORDS

INSTRUMENTATION.--Temperature recorder.

PERIOD OF RECORD.--

WATER TEMPERATURE.--August 1966 to September 1967; October 1968 to September 1976 and September 1988 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 28.9°C, July 10-11, 1973 and July 30, 1975; minimum, 0.7°C, Feb. 3-5, 1996.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 24.6°C, July 5-6, minimum, 2.1°C, Jan. 18-23.

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	20.1	18.9	19.5	13.1	13.1	13.1	10.2	9.9	10.1	4.9	4.6	4.7
2	20.1	18.9	19.3	13.5	13.1	13.2	9.9	9.5	9.9	4.6	4.2	4.3
3	19.7	18.9	19.1	13.1	13.1	13.1	9.9	9.5	9.7	4.2	3.9	4.0
4	19.7	18.5	19.1	13.5	13.1	13.2	9.9	9.5	9.8	3.9	3.5	3.6
5	18.9	18.1	18.8	13.1	12.8	13.0	9.9	9.9	9.9	3.5	3.5	3.5
6	18.9	18.1	18.3	12.8	12.8	12.8	9.9	9.9	9.9	3.5	3.2	3.2
7	18.5	17.7	18.0	12.8	12.4	12.6	9.9	9.9	9.9	3.2	3.2	3.2
8	18.5	17.3	17.7	12.8	12.4	12.5	9.9	9.5	9.9	3.2	2.8	3.2
9	18.1	17.3	17.5	12.4	12.4	12.4	9.9	9.5	9.5	3.2	2.8	2.8
10	17.7	17.3	17.5	12.4	12.1	12.2	9.5	9.2	9.4	2.8	2.8	2.8
11	17.7	17.3	17.4	12.1	12.1	12.1	9.2	9.2	9.2	2.8	2.8	2.8
12	17.7	17.3	17.4	12.1	11.7	11.9	9.2	9.2	9.2	2.8	2.8	2.8
13	17.7	17.3	17.5	11.7	11.7	11.7	9.2	9.2	9.2	2.8	2.8	2.8
14	17.7	16.9	17.3	11.7	11.7	11.7	9.2	9.2	9.2	2.8	2.5	2.8
15	17.3	16.5	17.1	11.7	11.3	11.6	9.2	8.8	9.0	2.8	2.5	2.7
16	17.3	16.5	16.8	12.1	11.3	11.6	8.8	8.8	8.8	2.5	2.5	2.5
17	16.5	16.1	16.3	11.7	11.3	11.5	8.8	8.8	8.8	2.5	2.5	2.5
18	16.1	15.8	15.9	11.7	11.3	11.5	8.8	8.8	8.8	2.5	2.1	2.5
19	15.8	15.8	15.8	11.3	11.3	11.3	8.8	8.5	8.5	---	---	---
20	15.8	15.4	15.5	11.3	11.0	11.0	8.5	8.1	8.3	2.1	2.1	2.1
21	15.4	15.4	15.4	11.0	10.6	10.7	8.1	8.1	8.1	2.1	2.1	2.1
22	15.4	15.0	15.3	11.0	10.2	10.4	8.1	7.8	8.0	2.1	2.1	2.1
23	15.4	15.0	15.3	10.6	10.2	10.4	8.1	7.8	7.9	2.5	2.1	2.2
24	15.8	15.4	15.5	11.0	10.6	10.7	7.8	7.4	7.5	2.5	2.5	2.5
25	15.4	15.0	15.2	10.6	10.2	10.6	7.4	7.1	7.1	2.5	2.5	2.5
26	15.0	14.3	14.5	10.6	10.2	10.4	7.1	6.7	6.9	2.8	2.5	2.5
27	14.3	13.9	14.2	11.0	10.6	10.7	6.7	6.4	6.6	2.8	2.5	2.6
28	13.9	13.5	13.8	10.6	10.2	10.3	6.4	6.4	6.4	2.8	2.5	2.7
29	13.5	13.5	13.5	10.2	10.2	10.2	6.4	5.7	6.0	3.2	2.8	3.0
30	13.5	13.1	13.5	10.2	10.2	10.2	5.7	5.3	5.7	3.5	3.2	3.4
31	13.5	13.1	13.1	---	---	---	5.3	4.9	5.1	3.9	3.5	3.6
MONTH	20.1	13.1	16.5	13.5	10.2	11.6	10.2	4.9	8.5	---	---	---

03372500 SALT CREEK NEAR HARRODSBURG, IN--Continued

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

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	3.9	3.5	3.6	4.2	3.9	4.1	7.4	6.0	6.5	14.3	13.1	13.7
2	3.5	3.5	3.5	4.2	4.2	4.2	7.4	6.0	6.8	13.9	12.8	13.2
3	3.9	3.5	3.7	4.2	3.5	3.9	7.4	6.7	7.2	14.3	12.8	13.5
4	3.9	3.2	3.5	3.9	3.5	3.7	7.8	6.7	7.0	14.3	13.9	14.3
5	3.5	3.5	3.5	3.9	3.5	3.8	7.8	6.7	7.3	14.6	13.9	14.2
6	3.5	3.2	3.5	3.9	3.5	3.8	7.4	7.1	7.2	14.6	12.1	13.4
7	3.9	3.2	3.6	4.2	3.9	4.1	7.1	7.1	7.1	12.8	11.7	12.2
8	3.9	3.5	3.6	4.9	4.2	4.5	7.8	7.1	7.5	12.8	12.1	12.5
9	3.9	3.5	3.6	5.3	4.9	5.1	8.5	7.8	8.3	12.8	11.3	12.0
10	3.9	3.9	3.9	5.3	4.6	5.0	8.5	7.8	8.2	14.6	11.7	13.3
11	4.2	3.9	3.9	5.3	4.9	4.9	9.2	8.5	8.8	15.8	14.6	15.1
12	4.2	3.9	4.0	5.3	4.9	5.0	10.2	8.5	9.1	15.0	12.4	13.7
13	4.2	3.9	4.0	5.3	5.3	5.3	10.2	8.8	9.5	13.5	12.4	12.9
14	3.9	3.9	3.9	5.7	4.9	5.3	10.2	8.8	9.3	14.6	12.8	13.6
15	4.2	3.9	4.1	6.4	5.7	5.9	10.6	8.8	9.6	15.4	14.6	15.1
16	4.2	3.9	4.1	6.4	6.0	6.2	11.3	8.5	9.5	15.4	15.0	15.2
17	4.2	3.9	4.1	6.0	6.0	6.0	11.3	8.8	9.8	15.8	14.6	15.5
18	4.2	4.2	4.2	6.4	6.0	6.2	10.2	8.8	9.5	15.8	15.0	15.5
19	4.2	4.2	4.2	6.7	6.4	6.5	10.2	8.8	9.2	15.4	15.0	15.3
20	4.9	4.2	4.5	7.1	6.7	6.8	10.2	8.8	9.6	15.4	15.0	15.3
21	4.6	4.2	4.6	6.7	5.7	6.4	11.7	10.2	10.9	15.8	15.0	15.3
22	4.6	4.2	4.4	6.4	5.7	6.0	11.3	9.2	10.0	15.8	15.4	15.4
23	4.6	4.2	4.5	6.0	5.7	5.9	13.1	9.9	11.9	15.8	15.0	15.5
24	4.6	4.2	4.5	6.4	5.7	5.9	13.9	11.3	12.5	16.1	15.4	15.5
25	5.3	4.6	4.8	6.4	6.0	6.1	13.9	10.2	11.6	16.5	15.4	15.6
26	5.3	4.6	4.8	6.0	5.7	5.9	13.5	12.4	12.8	16.5	15.4	16.0
27	4.6	4.2	4.4	6.7	5.7	6.0	13.5	12.8	13.1	16.9	16.5	16.7
28	4.6	3.9	4.2	6.4	5.7	5.8	13.1	10.2	11.7	16.9	16.9	16.9
29	---	---	---	6.4	5.7	6.0	12.8	11.3	12.1	16.9	16.5	16.7
30	---	---	---	6.7	6.0	6.3	13.5	12.4	13.0	17.3	16.5	16.8
31	---	---	---	7.4	6.4	6.8	---	---	---	16.9	16.1	16.6
MONTH	5.3	3.2	4.0	7.4	3.5	5.4	13.9	6.0	9.6	17.3	11.3	14.7

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

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	17.3	16.1	16.4	21.7	20.5	21.0	22.5	20.5	21.5	23.8	22.5	23.1
2	18.5	16.1	17.3	22.5	20.9	21.7	22.5	20.5	21.4	23.3	22.5	22.9
3	18.5	17.3	18.0	22.5	21.3	21.9	22.9	20.9	21.9	23.8	22.1	22.8
4	17.3	16.5	17.0	22.1	20.9	21.6	22.9	21.3	21.9	23.8	21.3	22.7
5	18.1	16.5	17.0	24.6	21.7	22.8	22.5	21.3	21.9	23.8	22.5	23.0
6	19.7	16.5	18.9	24.6	23.8	24.1	23.8	21.3	23.0	24.2	22.5	23.1
7	19.3	18.9	19.2	24.2	21.7	22.5	24.2	21.7	23.1	23.8	22.5	23.1
8	19.3	17.7	18.1	22.1	20.1	20.8	23.8	21.7	22.6	23.3	22.1	22.8
9	18.9	17.7	18.2	20.5	16.9	19.5	23.3	21.3	22.5	23.8	22.5	23.1
10	19.3	17.7	18.2	20.9	17.7	19.6	22.9	21.3	22.0	23.8	22.1	23.1
11	19.3	16.9	17.6	22.9	20.5	21.9	22.9	20.5	21.7	23.8	22.5	23.2
12	18.9	16.5	17.7	22.9	22.1	22.4	22.5	20.5	21.8	23.8	22.5	23.2
13	19.7	17.3	19.2	22.1	21.3	21.7	22.5	20.9	21.7	23.3	22.1	22.8
14	19.7	16.9	18.4	21.7	20.9	21.1	22.5	20.1	21.4	22.9	22.5	22.7
15	18.5	16.5	17.6	21.7	20.1	20.9	22.9	20.9	21.7	22.9	22.5	22.6
16	19.3	17.7	18.3	21.3	19.7	20.4	22.1	20.1	21.3	23.3	22.1	22.7
17	20.1	19.3	19.5	20.9	18.9	20.2	22.5	20.5	21.7	22.9	22.1	22.6
18	20.5	18.5	19.2	20.9	18.9	20.0	22.5	20.5	21.5	22.9	22.1	22.6
19	20.9	18.9	19.9	20.9	19.3	19.9	22.5	21.7	22.1	22.9	22.1	22.5
20	20.5	19.7	20.0	21.7	18.9	20.4	23.3	20.9	22.2	22.5	21.7	22.1
21	20.9	19.7	20.2	22.1	20.1	20.9	22.9	20.5	22.4	22.5	21.7	22.1
22	21.3	20.1	20.6	20.9	20.1	20.4	22.5	20.9	21.8	22.5	20.9	21.8
23	21.7	20.1	20.8	21.7	18.9	20.3	23.3	21.7	22.1	22.1	20.9	21.4
24	21.7	20.1	20.7	22.5	20.5	21.4	22.9	20.5	21.8	22.1	20.9	21.3
25	21.7	19.3	20.4	22.1	20.5	21.4	23.3	21.7	22.6	21.7	20.9	21.3
26	20.1	19.3	19.7	20.9	19.7	20.6	23.3	22.1	22.8	21.3	20.9	21.0
27	20.5	17.3	19.3	21.3	19.3	20.5	24.2	22.5	23.1	21.3	20.9	21.0
28	21.7	17.7	20.4	21.3	18.9	20.0	23.8	22.5	23.2	21.3	20.5	20.8
29	21.7	20.9	21.3	21.3	18.5	20.0	24.2	22.5	23.3	21.3	20.1	20.7
30	21.3	20.5	20.9	22.5	17.7	20.6	23.8	22.5	23.3	21.3	20.1	20.6
31	---	---	---	22.1	20.1	21.3	23.8	22.5	23.2	---	---	---
MONTH	21.7	16.1	19.0	24.6	16.9	21.0	24.2	20.1	22.2	24.2	20.1	22.3

WABASH RIVER BASIN

03373500 EAST FORK WHITE RIVER AT SHOALS, IN

LOCATION.--Lat 38°40'02", long 86°47'32", in SW¹/₄NW¹/₄ sec.30, T.3 N., R.3 W., Martin County, Hydrologic Unit 05120208, (SHOALS, IN quadrangle), on upstream left bank, 30 ft upstream of Highway 50 bridge at Shoals, 1.0 mi upstream from Beaver Creek, 6.5 mi downstream from Indian Creek, and at mile 105.4.

DRAINAGE AREA.--4,927 mi².

PERIOD OF RECORD.--June 1903 to July 1906, October 1908 to September 1916, June 1923 to current year. Monthly discharge only for some periods, published in WSP 1305. Published as East Branch White River at Shoals, 1903-06, 1908-16. Gage-height records collected at same site since May 1908 are contained in reports of the National Weather Service.

REVISED RECORDS.--WSP 353: 1912. WSP 1335: 1903-6. WSP 2109: Drainage area. WDR IN-91-1: Location.

GAGE.--Water-stage recorder. Datum of gage is 442.25 ft above National Geodetic Vertical Datum of 1929. Oct. 26, 1932 to Dec. 12, 1989 and Aug. 9, 1999 to present, at current site. Water-stage recorder, located 440 ft downstream of U.S. Highway bridge, Dec. 13, 1989 to Aug. 9, 1999. See WSP 1725 for history of changes prior to Oct. 26, 1932.

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

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	2110	19000	20500	7280	13000	4540	18000	21500	10900	6370	1170	732
2	1850	14800	19800	6680	16900	4580	15800	25300	10400	5800	1120	709
3	1670	11100	21500	6330	15000	6250	14200	28600	9540	5100	1070	685
4	1530	8030	24000	6130	15700	7910	12100	26600	8080	4630	1030	670
5	1430	6560	25000	5900	17600	8730	10000	22100	7090	4320	1000	647
6	1360	6080	23700	5760	18600	10400	9780	18700	7460	4070	965	629
7	1300	5740	20200	5660	17300	10500	9760	23000	9680	3890	919	612
8	1250	5490	15900	5560	14100	8930	9050	26600	11700	3630	887	604
9	1270	5240	13100	5470	10900	8010	8570	30400	12800	3160	865	606
10	1420	5050	11700	5370	8290	11600	8680	31100	12200	2670	855	627
11	1580	4850	10600	5300	7110	9600	9010	33900	11300	2400	837	589
12	1850	4680	9330	5310	6540	9620	10500	39600	10100	2150	825	559
13	2340	4350	8920	5300	6300	11000	13400	49600	8770	1850	825	541
14	3500	3840	10300	5260	6190	10700	17400	54600	8270	1800	818	533
15	8150	3510	13400	5170	6080	9470	20000	52200	7940	1720	810	572
16	9630	3290	13600	5070	5920	13900	21400	49800	7980	1620	812	602
17	10900	2990	21400	4960	5610	16600	23800	52000	7840	1510	845	645
18	12300	2760	31300	4840	5190	15000	26900	54200	7240	1430	862	596
19	13800	2480	33100	4740	4700	15000	28100	53200	6600	1380	860	573
20	14800	2380	33600	4640	4070	16700	26500	48800	6120	1380	892	628
21	14700	2280	38200	4570	3840	17800	21900	41600	5690	1540	1480	778
22	13000	2130	43200	4520	3960	16500	21300	32100	5360	1620	1650	867
23	9000	2080	44600	4450	4280	15900	19900	21400	5130	1850	1330	727
24	9700	2100	41700	4670	4800	15900	18100	14700	4950	2120	1100	660
25	16000	2220	34800	5960	4640	15100	20000	11200	4820	1940	979	707
26	15500	2500	25600	6860	4430	16700	21300	9720	4940	1760	918	754
27	15600	4500	17900	7380	4690	18700	20800	9820	4660	1620	879	854
28	18700	8890	13500	7270	4610	17000	23000	10100	5480	1470	870	1060
29	21500	16000	11400	6540	---	17900	24700	9470	6440	1360	833	1760
30	22600	20700	9600	5610	---	19700	22300	8950	6430	1280	799	3040
31	21800	---	8070	6690	---	19800	---	10400	---	1210	764	---
TOTAL	272140	185620	669520	175250	240350	400040	526250	921260	235910	78650	29869	23566
MEAN	8779	6187	21600	5653	8584	12900	17540	29720	7864	2537	963.5	785.5
MAX	22600	20700	44600	7380	18600	19800	28100	54600	12800	6370	1650	3040
MIN	1250	2080	8070	4450	3840	4540	8570	8950	4660	1210	764	533
CFSM	1.78	1.26	4.38	1.15	1.74	2.62	3.56	6.03	1.60	0.51	0.20	0.16
IN.	2.05	1.40	5.06	1.32	1.81	3.02	3.97	6.96	1.78	0.59	0.23	0.18

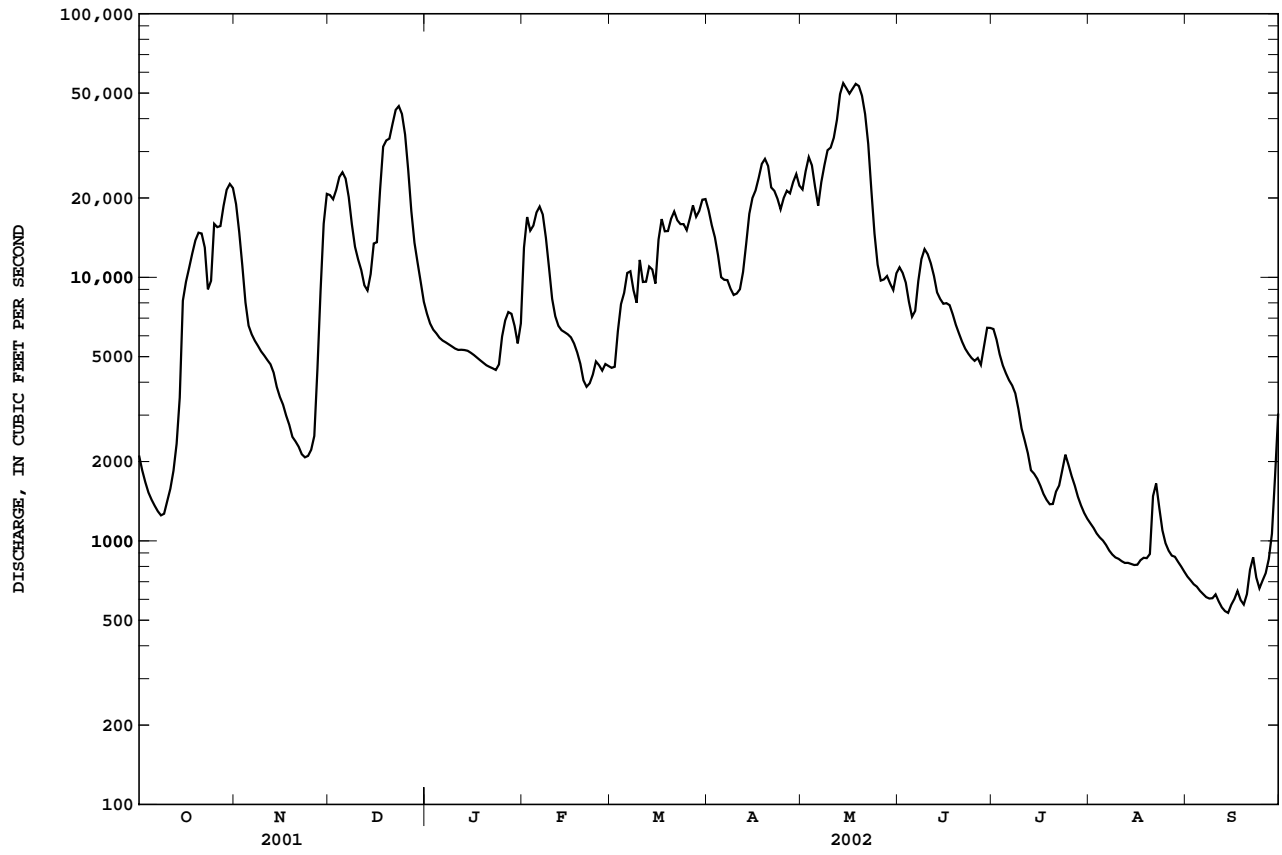
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 2002, BY WATER YEAR (WY)

MEAN	1692	2950	5471	8566	8684	10980	10150	7820	4667	2981	1969	1374
MAX	12520	18370	21590	47640	30880	34300	24000	35120	19290	13520	15220	9154
(WY)	1911	1994	2002	1937	1950	1945	1913	1996	1997	1958	1979	1926
MIN	262	293	305	432	589	562	1029	529	696	365	265	233
(WY)	1941	1955	1964	1931	1931	1941	1915	1941	1936	1954	1936	1954

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1904 - 2002

ANNUAL TOTAL	2208720	3758425	
ANNUAL MEAN	6051	10300	5589
HIGHEST ANNUAL MEAN			10370
LOWEST ANNUAL MEAN			855
HIGHEST DAILY MEAN	44600	Dec 23	54600
LOWEST DAILY MEAN	1080	Sep 3	533
ANNUAL SEVEN-DAY MINIMUM	1180	Aug 14	575
MAXIMUM PEAK FLOW			55000
MAXIMUM PEAK STAGE			28.50
ANNUAL RUNOFF (CFSM)	1.23		2.09
ANNUAL RUNOFF (INCHES)	16.68		28.38
10 PERCENT EXCEEDS	13400		23000
50 PERCENT EXCEEDS	3520		6540
90 PERCENT EXCEEDS	1380		855

03373500 EAST FORK WHITE RIVER AT SHOALS, IN--Continued



03373980 WHITE RIVER ABOVE PETERSBURG, IN--Continued

WATER-QUALITY RECORDS

INSTRUMENTATION.--Temperature recorder.

PERIOD OF RECORD.--

WATER TEMPERATURE.--September 1988 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 33.3°C, July 30, 1999; minimum, -0.4°C, Dec. 16, 21, 1989; Jan. 1, 2, 1990; Jan. 15, 16, 18, 19, 1994.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 31.8°C, Aug. 4-5, minimum, 1.9°C, Jan. 4.

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

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	11.2	10.3	10.7	10.0	9.6	9.7	2.4	2.0	2.2
2	---	---	---	11.9	11.1	11.5	9.7	9.5	9.6	2.5	2.1	2.3
3	---	---	---	12.2	11.7	12.0	9.5	9.0	9.2	2.4	2.1	2.3
4	---	---	---	12.8	12.2	12.5	9.5	9.0	9.2	2.4	1.9	2.2
5	---	---	---	12.9	12.4	12.6	9.9	9.3	9.6	2.6	2.1	2.3
6	---	---	---	12.8	12.3	12.6	10.1	9.8	10.0	2.9	2.5	2.7
7	---	---	---	12.7	12.0	12.4	10.6	10.0	10.3	3.0	2.6	2.8
8	---	---	---	12.7	12.0	12.4	10.6	10.5	10.6	3.1	2.5	2.8
9	---	---	---	12.3	11.7	12.0	10.5	10.1	10.2	3.6	2.9	3.2
10	---	---	---	11.9	11.2	11.6	10.1	9.5	9.8	4.1	3.6	3.8
11	---	---	---	11.7	11.0	11.4	9.5	9.0	9.2	4.2	3.8	4.0
12	17.4	16.8	17.1	11.5	10.8	11.2	9.1	8.9	8.9	4.3	3.8	4.1
13	17.8	17.3	17.5	11.2	10.5	10.9	9.0	8.9	9.0	4.2	3.7	4.0
14	17.7	17.0	17.3	11.5	10.7	11.1	9.1	8.9	9.0	4.5	4.0	4.3
15	17.0	16.2	16.6	11.5	10.8	11.2	9.0	8.8	8.9	4.7	4.3	4.5
16	16.2	15.4	15.6	11.9	11.2	11.6	9.3	9.0	9.1	4.6	4.2	4.4
17	15.4	14.7	15.0	12.1	11.4	11.8	9.6	9.3	9.5	4.5	4.1	4.3
18	14.7	14.3	14.5	12.4	11.6	12.0	9.5	9.2	9.4	4.4	3.8	4.1
19	14.4	13.4	13.8	12.2	11.4	12.0	9.4	8.3	8.9	4.3	3.8	4.0
20	13.4	12.9	13.1	11.4	10.4	10.9	8.3	7.6	7.9	3.8	3.6	3.7
21	13.3	12.9	13.1	10.4	9.6	9.9	7.8	7.1	7.4	4.1	3.4	3.8
22	13.6	13.1	13.3	9.9	9.3	9.6	7.2	6.5	6.7	4.5	3.7	4.1
23	14.6	13.6	14.1	10.4	9.5	9.8	6.7	5.7	6.3	5.2	4.5	4.9
24	15.7	14.5	15.2	11.7	10.4	11.2	5.7	4.6	4.9	6.1	5.2	5.8
25	15.5	14.8	15.2	11.8	11.4	11.6	4.6	4.3	4.4	6.1	5.2	5.6
26	14.8	14.2	14.5	11.4	10.7	11.1	4.4	3.4	3.9	5.6	4.9	5.2
27	14.2	13.2	13.6	11.5	10.8	11.2	3.4	3.0	3.2	6.0	5.3	5.6
28	13.2	11.5	12.4	10.8	9.8	10.2	3.3	2.9	3.1	6.5	5.6	6.0
29	11.5	10.1	10.6	10.1	9.4	9.7	3.2	2.7	3.0	7.3	6.5	6.8
30	10.2	9.8	10.0	10.2	10.0	10.2	2.7	2.3	2.5	7.5	7.2	7.4
31	10.7	9.8	10.2	---	---	---	2.3	2.1	2.2	9.0	7.4	8.1
MONTH	---	---	---	12.9	9.3	11.3	10.6	2.1	7.6	9.0	1.9	4.2

WABASH RIVER BASIN

03373980 WHITE RIVER ABOVE PETERSBURG, IN--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	9.1	8.6	8.9	5.9	4.9	5.4	9.7	8.2	8.8	16.1	15.5	15.8
2	8.6	8.3	8.5	6.0	5.7	5.8	10.4	9.6	9.9	16.1	15.6	15.9
3	8.6	8.1	8.4	5.7	4.3	5.0	10.5	10.2	10.3	16.4	15.4	15.9
4	8.1	7.1	7.6	4.3	3.6	3.9	11.0	10.4	10.6	17.0	15.6	16.3
5	7.1	6.0	6.6	4.8	3.8	4.3	11.0	10.3	10.7	17.5	15.9	16.7
6	6.0	4.8	5.3	5.3	4.6	5.0	10.9	10.3	10.6	17.2	16.6	16.9
7	4.8	4.1	4.4	5.9	5.1	5.5	10.8	10.3	10.6	17.9	17.0	17.4
8	4.8	4.1	4.4	6.8	5.7	6.2	10.8	10.6	10.7	18.4	17.2	17.8
9	5.2	4.6	4.9	7.7	6.8	7.3	11.3	10.8	11.0	18.5	18.0	18.2
10	5.6	5.2	5.4	7.7	7.2	7.5	12.0	10.8	11.4	18.9	17.5	18.2
11	6.0	5.3	5.6	8.2	7.2	7.7	12.8	11.4	12.1	19.7	18.2	18.9
12	6.2	5.6	5.9	8.2	7.9	8.0	14.4	12.8	13.4	20.2	19.5	19.9
13	6.5	5.8	6.1	8.6	8.1	8.4	14.5	14.0	14.2	19.5	17.8	18.5
14	6.6	5.8	6.2	9.1	8.4	8.7	14.8	14.3	14.5	18.5	17.4	17.9
15	6.6	5.9	6.3	9.3	8.8	8.9	15.9	14.6	15.2	19.1	18.0	18.5
16	6.7	6.0	6.3	9.0	8.6	8.7	17.3	15.7	16.4	18.7	18.3	18.5
17	6.7	5.9	6.3	9.2	8.7	8.8	19.4	17.3	18.1	18.3	16.9	17.8
18	6.7	5.8	6.3	9.5	9.2	9.3	21.0	19.3	20.1	17.0	16.2	16.7
19	6.8	6.3	6.5	9.3	9.3	9.3	21.6	20.9	21.2	17.0	16.3	16.7
20	7.6	6.8	7.2	9.3	9.1	9.2	21.8	21.3	21.5	16.9	16.4	16.6
21	7.6	7.0	7.2	9.1	8.3	8.8	21.8	21.3	21.5	16.5	15.6	16.1
22	7.2	6.7	6.9	8.4	7.9	8.2	21.3	19.4	20.0	16.7	15.3	16.0
23	7.2	6.4	6.8	8.1	7.7	7.9	19.4	16.9	18.1	17.2	15.5	16.3
24	7.6	6.7	7.1	7.9	7.3	7.5	16.9	16.0	16.2	17.4	16.3	16.8
25	7.7	7.1	7.5	7.5	7.1	7.3	16.0	15.2	15.5	17.5	16.9	17.2
26	7.7	6.2	6.9	7.4	6.6	6.8	15.7	15.2	15.4	18.2	17.0	17.6
27	6.2	5.0	5.5	7.6	6.6	7.0	15.5	15.0	15.1	18.8	17.9	18.3
28	5.3	4.5	4.9	7.5	7.0	7.2	15.8	14.8	15.3	19.3	18.7	19.0
29	---	---	---	7.6	7.1	7.4	15.7	14.7	15.2	19.7	19.1	19.4
30	---	---	---	7.8	7.3	7.5	16.3	14.7	15.4	20.7	19.7	20.1
31	---	---	---	8.5	7.5	8.0	---	---	---	21.6	20.4	21.0
MONTH	9.1	4.1	6.4	9.5	3.6	7.3	21.8	8.2	14.6	21.6	15.3	17.6

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	22.0	21.2	21.6	27.2	26.0	26.6	30.9	28.8	29.8	28.6	26.8	27.6
2	22.7	21.7	22.2	27.8	26.5	27.1	31.0	29.2	30.1	28.8	26.7	27.9
3	23.3	22.3	22.8	28.3	26.8	27.6	31.4	29.4	30.4	28.9	26.8	27.9
4	23.9	22.7	23.3	28.7	27.3	28.0	31.8	29.9	30.7	29.0	26.8	27.9
5	23.9	23.4	23.6	29.0	27.6	28.3	31.8	30.0	30.9	28.6	26.1	27.4
6	23.5	22.6	23.0	28.7	27.5	28.2	31.3	29.5	30.4	28.3	25.6	27.0
7	22.6	22.1	22.4	28.5	27.2	27.9	29.5	27.6	28.6	28.3	25.9	27.1
8	22.7	21.6	22.2	28.5	27.1	27.8	28.8	26.5	27.7	28.9	26.4	27.6
9	23.1	21.9	22.5	28.5	27.4	27.9	28.5	26.2	27.4	29.0	26.9	28.0
10	23.1	22.2	22.7	28.0	27.3	27.7	28.7	26.2	27.5	29.1	27.0	28.1
11	23.2	22.5	22.8	27.8	26.5	27.2	28.5	27.0	27.7	28.3	26.2	27.1
12	23.3	22.7	23.0	27.1	26.1	26.5	28.9	27.0	27.9	26.3	24.2	25.4
13	23.7	22.9	23.3	26.3	25.4	26.0	28.2	27.0	27.5	25.3	23.4	24.5
14	23.5	23.0	23.2	27.0	25.4	26.2	27.0	26.2	26.5	25.4	24.2	24.8
15	23.0	22.3	22.7	27.5	25.7	26.6	26.9	25.7	26.2	26.2	24.4	25.3
16	23.1	22.2	22.7	27.6	26.2	26.9	27.9	25.9	26.8	26.0	24.6	25.3
17	23.2	22.2	22.7	28.0	27.0	27.4	27.9	26.3	27.1	25.3	24.1	24.5
18	23.2	22.1	22.7	27.7	26.7	27.1	27.9	26.8	27.3	25.6	23.5	24.5
19	23.4	22.3	22.8	28.3	26.2	27.2	27.2	26.0	26.6	26.1	24.5	25.3
20	24.3	22.7	23.5	29.2	27.2	28.1	27.8	25.9	26.8	25.4	23.0	24.3
21	24.8	23.4	24.1	30.4	28.3	29.3	28.8	26.4	27.5	23.4	22.1	22.8
22	25.6	23.9	24.7	30.0	29.1	29.6	29.5	27.4	28.4	22.9	22.0	22.6
23	26.1	24.4	25.2	29.5	28.5	29.0	29.4	28.0	28.7	22.3	21.0	21.7
24	26.3	24.9	25.6	29.4	27.9	28.6	29.3	28.0	28.6	22.0	20.6	21.4
25	26.6	25.1	25.8	29.3	27.6	28.4	29.0	28.0	28.4	21.4	20.5	21.0
26	26.8	25.5	26.2	28.9	28.0	28.3	28.2	27.1	27.5	21.0	20.2	20.5
27	26.9	25.9	26.3	29.4	27.6	28.4	28.0	26.1	27.1	21.3	19.7	20.5
28	26.7	25.6	26.2	29.9	28.1	29.0	28.2	26.3	27.2	22.2	20.4	21.2
29	26.4	25.6	26.0	29.7	28.4	29.1	28.3	26.3	27.0	22.8	21.0	21.8
30	26.8	25.7	26.2	30.2	28.3	29.2	28.2	26.2	27.2	22.9	21.4	22.2
31	---	---	---	30.4	28.3	29.4	28.7	26.4	27.5	---	---	---
MONTH	26.9	21.2	23.7	30.4	25.4	27.9	31.8	25.7	28.0	29.1	19.7	24.8

03374000 WHITE RIVER AT PETERSBURG, IN

LOCATION.--Lat 38°30'39", long 87°17'22", in SE¹/₄SW¹/₄ sec.15, T.1 N., R.8 W., Pike County, Hydrologic Unit 05120202, (MONROE CITY, IN quadrangle), on left bank 300 ft downstream from bridge on State Highway 61, 0.4 mi upstream from Prides Creek, 1.4 mi north of Petersburg, 2.0 mi west of Arda. and at mile 45.7.

DRAINAGE AREA.--11,125 mi².

PERIOD OF RECORD.--October 1927 to current year. Monthly discharge only for October 1927, published in WSP 1305. Published as "at Hazleton" October 1927 to September 1938. Records published for both sites October 1937 to September 1938. Gage-height records collected at present site and datum since January 1935 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1305: 1930(M). WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 400.00 ft above National Geodetic Vertical Datum of 1929. See WSP 1725 for history of changes prior to Apr. 1, 1941.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913, reached a stage of 29.5 ft, present site and datum, from floodmarks by U.S. Army Corps of Engineers, discharge, 235,000 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	e4980	43500	38300	15900	20600	12700	40100	49100	19800	15300	3440	2040
2	e4450	36400	40300	14600	27500	12700	38700	50200	19800	14300	3350	1960
3	e4000	26700	41300	13600	32300	13500	36700	52300	19000	12700	3280	1870
4	3680	20000	42500	12800	34200	15400	34700	57200	18600	11200	3160	1800
5	3480	16200	43400	12300	36200	18200	32100	59200	17000	10200	3010	1750
6	3320	14200	42300	12000	39100	19500	28800	54700	16100	9490	2890	1690
7	3110	13000	39600	11800	41300	20500	25600	51200	16400	8930	2760	1640
8	2970	12200	35200	11500	40100	20500	23500	53800	18000	8510	2660	1610
9	3450	11600	28000	11300	31900	18900	21900	63000	19500	8100	2570	1580
10	4220	11100	22200	11200	22500	20300	20700	66500	19400	7690	2500	1560
11	4770	10700	19200	11000	18000	22800	20000	68400	18500	7120	2440	1520
12	6480	10300	17600	10800	15900	24200	19800	73300	17600	7050	2380	1500
13	7840	9970	17800	10800	14800	24500	22500	104000	17400	6770	2360	1440
14	14300	9600	19700	10700	14000	24400	28300	117000	17500	6170	2390	1410
15	18900	9070	25300	10500	13600	22400	36700	115000	17400	5640	2310	1490
16	22200	8590	28600	10300	13200	23800	40300	115000	17000	5260	2280	1590
17	24400	8220	40200	10100	12700	27100	42400	113000	16900	4940	2260	1530
18	26000	7860	53900	9780	12100	28400	43800	115000	16100	4700	2260	1640
19	27900	7550	61800	9410	11500	28100	45000	117000	14900	4470	2340	1730
20	30200	7200	67800	9030	11100	30100	45300	114000	13600	4320	2360	2360
21	31800	6970	72600	8740	11000	32500	43600	105000	12600	4370	2280	5330
22	31200	6780	74600	8570	11800	32500	42300	90000	11800	4330	2480	5290
23	25500	6540	77400	8510	12800	30600	41200	72900	11200	4340	3230	4690
24	21300	6520	79100	9870	13100	27900	40900	55700	10800	4390	3330	4770
25	25100	7370	75800	10900	12900	26100	40500	39200	10600	5070	2930	4050
26	30500	7420	65800	11600	12500	28700	40500	27100	10500	5010	2610	3420
27	33000	11400	54000	11900	11900	35600	40600	22000	10700	4530	2420	3370
28	34900	15200	41200	11800	12100	38100	44300	20700	10800	4270	2360	3270
29	38000	22100	28300	11500	---	39400	47100	20300	12500	3960	2320	3130
30	41500	30800	21200	11200	---	40500	48300	19500	14400	3730	2230	3550
31	44200	---	17900	12300	---	40800	---	19200	---	3580	2130	---
TOTAL	577650	415060	1332900	346310	560700	800700	1076200	2100500	466400	210440	81320	74580
MEAN	18630	13840	43000	11170	20020	25830	35870	67760	15550	6788	2623	2486
MAX	44200	43500	79100	15900	41300	40800	48300	117000	19800	15300	3440	5330
MIN	2970	6520	17600	8510	11000	12700	19800	19200	10500	3580	2130	1410
CFSM	1.67	1.24	3.86	1.00	1.80	2.32	3.22	6.09	1.40	0.61	0.24	0.22
IN.	1.93	1.39	4.46	1.16	1.87	2.68	3.60	7.02	1.56	0.70	0.27	0.25

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

	MEAN	MAX	(WY)	MIN	(WY)	3512	6665	11290	17030	18300	22400	22120	18150	11490	7479	4771	3415
MEAN	18630	46800	43000	86440	67080	55340	42900	70110	38550	25620	39590	19640					
MAX	2002	1994	2002	1950	1950	1945	1944	1996	1998	1958	1979	1989					
(WY)	653	884	861	981	1388	1597	3767	1597	1950	1118	870	878					
MIN	1941	1954	1964	1977	1931	1941	1941	1941	1988	1954	1936	1936					
(WY)																	

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

ANNUAL TOTAL		4699800		8042760		
ANNUAL MEAN		12880		22030		12190
HIGHEST ANNUAL MEAN						22760
LOWEST ANNUAL MEAN						2138
HIGHEST DAILY MEAN	79100	Dec 24	117000	May 14	182000	Jan 22 1937
LOWEST DAILY MEAN	2420	Aug 18	1410	Sep 14	573	Oct 1 1941
ANNUAL SEVEN-DAY MINIMUM	2720	Aug 14	1500	Sep 11	598	Sep 26 1941
MAXIMUM PEAK FLOW			119000	May 14	183000	Jan 22 1937
MAXIMUM PEAK STAGE			25.86	May 14	28.30	Jan 22 1937
ANNUAL RUNOFF (CFSM)	1.16		1.98			1.10
ANNUAL RUNOFF (INCHES)	15.72		26.89			14.89
10 PERCENT EXCEEDS	27900		46000		30000	
50 PERCENT EXCEEDS	8220		14300		6520	
90 PERCENT EXCEEDS	3520		2460		1520	

e Estimated

03374000 WHITE RIVER AT PETERSBURG, IN--Continued

