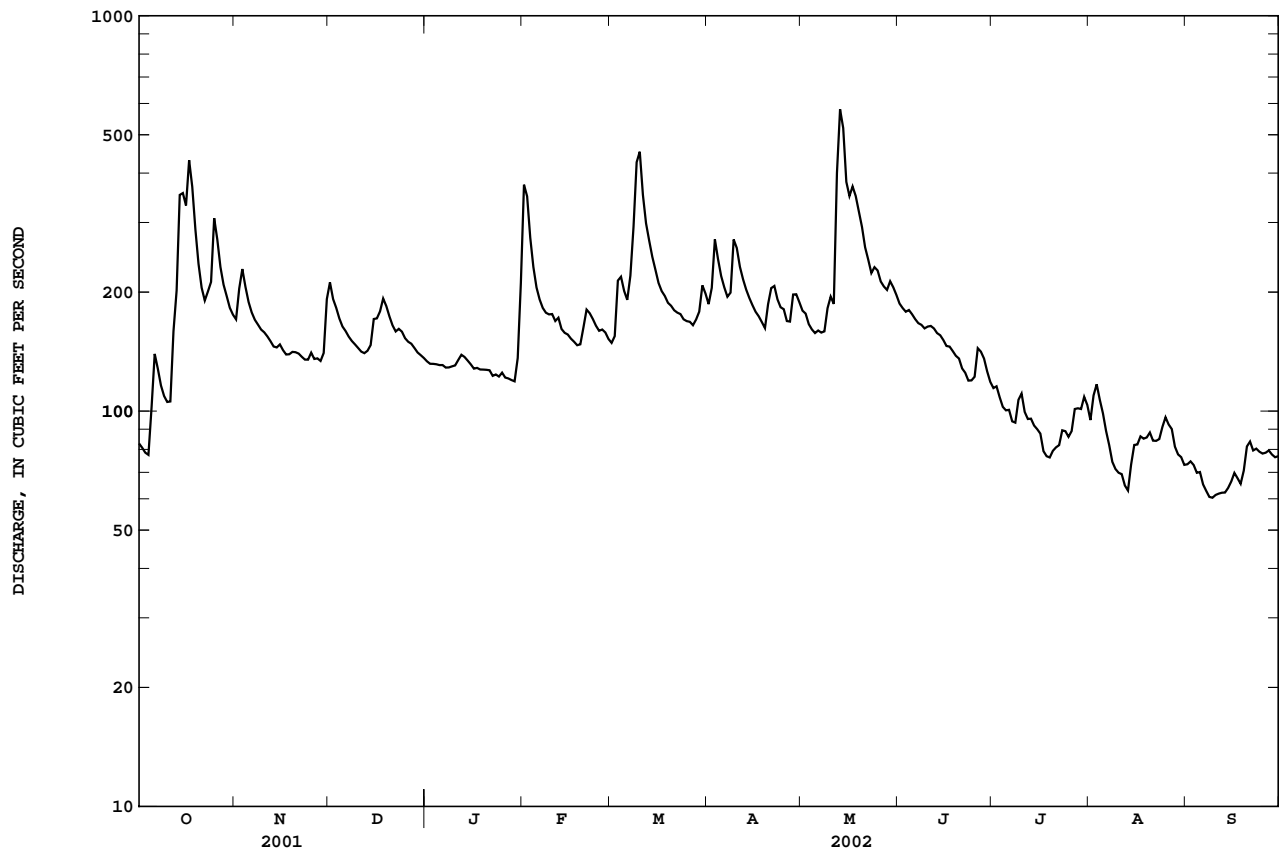
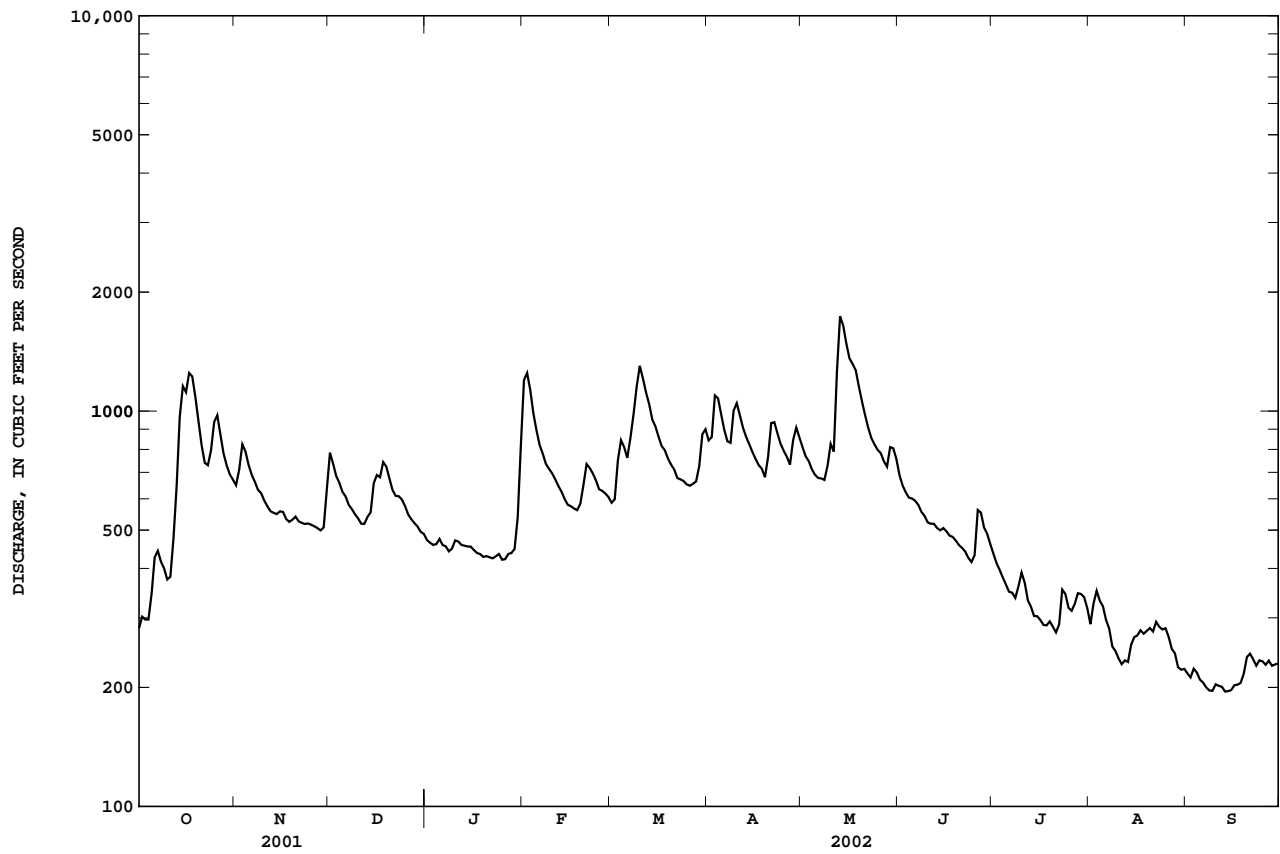


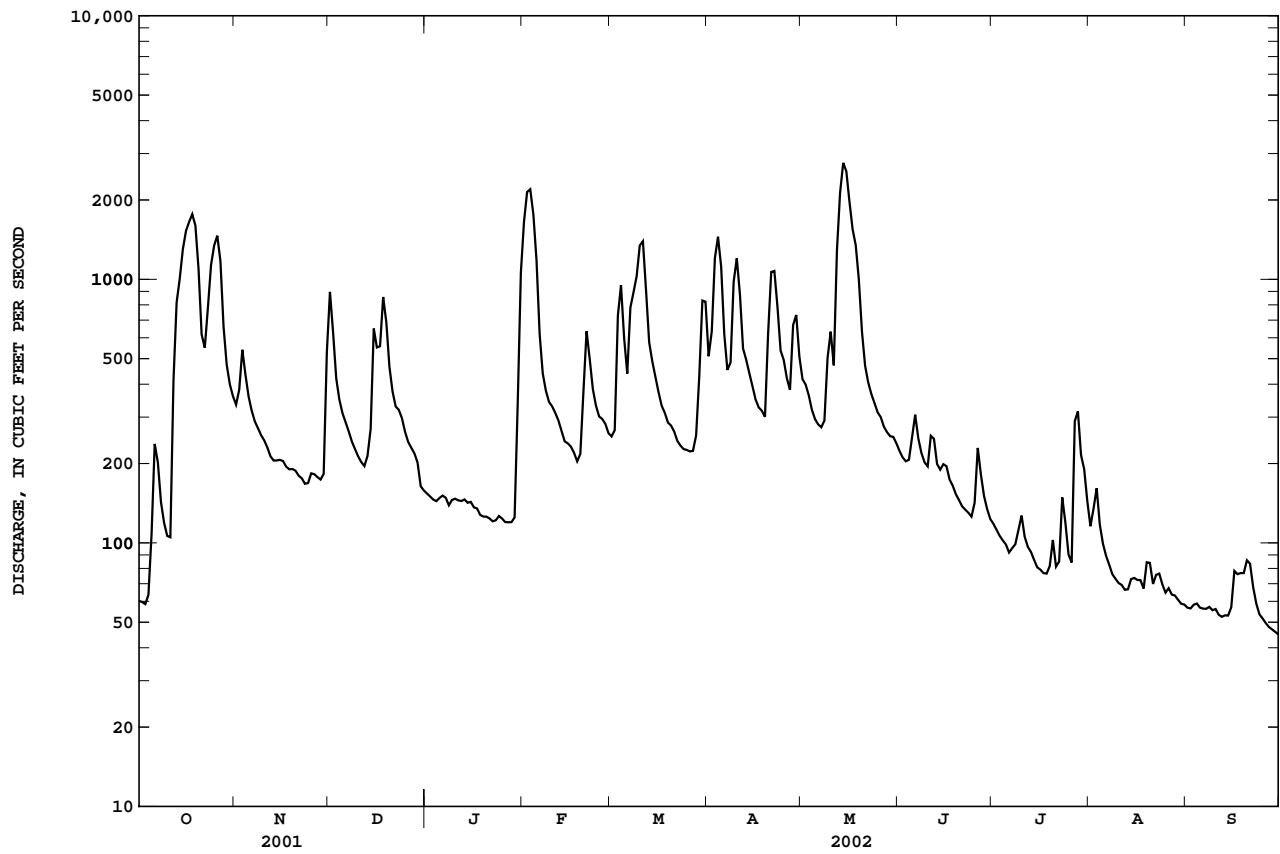
05515000 KANKAKEE RIVER NEAR NORTH LIBERTY, IN--Continued



05515500 KANKAKEE RIVER AT DAVIS, IN--Continued



05516500 YELLOW RIVER AT PLYMOUTH, IN--Continued



05517000 YELLOW RIVER AT KNOX, IN

LOCATION.--Lat 41°18'10", long 86°37'14", in SW¹/₄SW¹/₄ sec.14, T.33 N., R.2 W., Starke County, Hydrologic Unit 07120001, (KNOX EAST, IN quadrangle), on right bank 40 ft upstream from bridge on U.S. Highway 35 in Knox, 0.3 mi north of Knox, 1.4 mi downstream from Eagle Creek, and at mile 11.6.

DRAINAGE AREA.--435 mi², of which 51 mi² does not contribute directly to surface runoff.

PERIOD OF RECORD.--August 1905 to July 1906, August 1943 to current year.

REVISED RECORDS.--WSP 1278: 1952. WSP 2115: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 679.93 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources). August 1905 to July 1906, nonrecording gage at same site at different datum. August 1943 to July 17, 1952, nonrecording gage at same site and datum.

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	114	528	707	e300	1220	464	1030	737	494	267	247	99
2	111	515	911	e288	1570	460	841	654	469	248	230	99
3	105	573	764	e280	2040	612	1060	617	450	229	247	96
4	105	659	593	e272	2270	944	1300	558	441	216	269	88
5	136	565	520	e280	1970	1050	1500	504	471	206	210	84
6	206	499	478	281	1440	825	1360	474	554	192	176	84
7	322	453	446	278	925	778	914	458	554	185	161	86
8	278	424	420	270	719	998	745	448	488	180	152	87
9	217	402	394	263	637	1120	913	527	451	182	143	87
10	187	381	372	269	590	1240	1170	743	422	208	135	85
11	176	365	352	268	562	1380	1310	796	422	215	126	84
12	236	345	342	267	532	1470	1130	959	487	187	122	81
13	582	323	345	267	504	1190	843	1550	456	167	120	79
14	885	316	376	266	468	875	772	2150	411	150	125	78
15	1010	315	517	263	442	772	689	2800	400	144	134	77
16	1150	312	777	260	433	702	624	2880	402	141	136	79
17	1380	303	728	253	419	635	569	2490	388	139	136	90
18	1530	292	798	251	398	590	534	1990	371	139	135	101
19	1610	288	944	240	396	556	508	1670	355	140	137	109
20	1580	286	843	236	487	532	512	1380	334	144	171	117
21	1280	280	658	234	711	516	832	1020	318	164	165	147
22	873	270	568	232	834	489	1110	842	310	151	150	137
23	802	263	527	230	716	463	1160	763	298	166	144	116
24	936	258	506	235	613	448	968	706	285	227	153	103
25	1120	265	471	236	556	446	751	664	289	191	140	94
26	1270	276	430	231	531	445	687	631	e520	156	133	93
27	1350	274	406	225	516	440	620	598	e500	149	126	88
28	1280	267	388	224	490	448	703	567	384	406	116	87
29	879	274	e360	229	---	520	927	550	327	423	107	81
30	666	363	e330	283	---	796	926	531	287	349	102	79
31	579	---	e310	679	---	1040	---	516	---	305	101	---
TOTAL	22955	10934	16581	8390	22989	23244	27008	31773	12338	6366	4749	2815
MEAN	740.5	364.5	534.9	270.6	821.0	749.8	900.3	1025	411.3	205.4	153.2	93.83
MAX	1610	659	944	679	2270	1470	1500	2880	554	423	269	147
MIN	105	258	310	224	396	440	508	448	285	139	101	77
CFSM	1.70	0.84	1.23	0.62	1.89	1.72	2.07	2.36	0.95	0.47	0.35	0.22
IN.	1.96	0.94	1.42	0.72	1.97	1.99	2.31	2.72	1.06	0.54	0.41	0.24

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

	MEAN	259.5	299.5	389.1	445.8	533.1	717.6	720.9	508.7	421.9	287.8	206.3	176.9
MAX	1939	883	1070	1580	1289	2127	1714	1154	1113	955	652	692	
(WY)	1955	1973	1967	1993	2001	1982	1950	1996	1975	1996	1958	1972	
MIN	77.5	83.3	91.6	71.3	107	194	243	169	146	115	93.6	75.9	
(WY)	1965	1965	1964	1963	1963	1957	1958	1958	1988	1971	1964	1964	

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

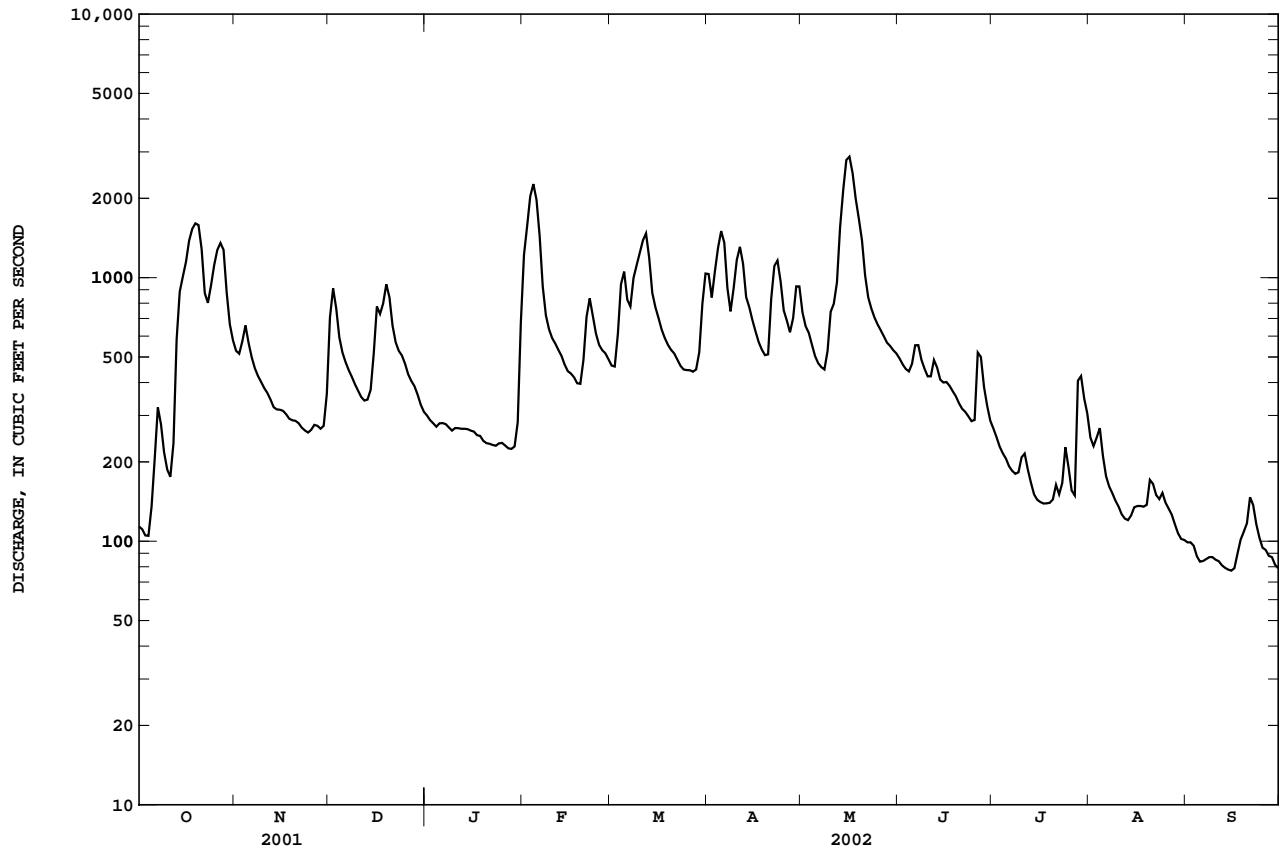
FOR 2002 WATER YEAR

WATER YEARS 1944 - 2002

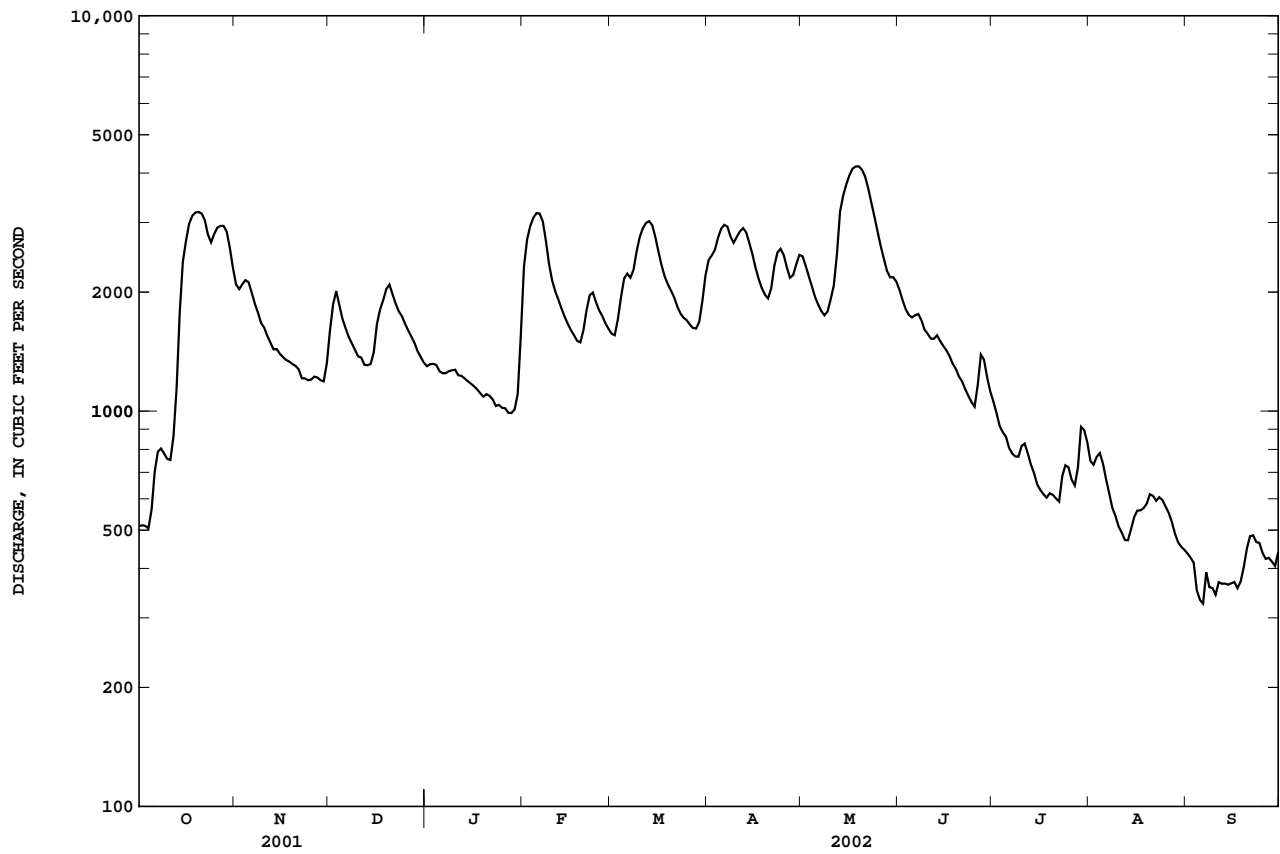
ANNUAL TOTAL	171670	190142	
ANNUAL MEAN	470.3	520.9	413.1
HIGHEST ANNUAL MEAN			661 1950
LOWEST ANNUAL MEAN			180 1964
HIGHEST DAILY MEAN	3240	Feb 13	2880 May 16 5600 Oct 15 1954
LOWEST DAILY MEAN	105	Oct 3	77 Sep 15 47 Jan 2 1999
ANNUAL SEVEN-DAY MINIMUM	114	Sep 28	80 Sep 10 50 Jan 21 1963
MAXIMUM PEAK FLOW			2970 May 15 5660 Oct 15 1954
MAXIMUM PEAK STAGE			10.19 May 15 13.75 Oct 15 1954
ANNUAL RUNOFF (CFSM)	1.08		1.20 0.95
ANNUAL RUNOFF (INCHES)	14.68		16.26 12.90
10 PERCENT EXCEEDS	895		1110 889
50 PERCENT EXCEEDS	339		411 269
90 PERCENT EXCEEDS	155		119 113

e Estimated

05517000 YELLOW RIVER AT KNOX, IN--Continued



05517500 KANKAKEE RIVER AT DUNNS BRIDGE, IN--Continued



05517530 KANKAKEE RIVER NEAR KOUTS, IN

LOCATION.--Lat 41°15'14", long 87°02'02", in SW¹/₄NE¹/₄ sec.6, T.32 N., R.5 W., Jasper County, Hydrologic Unit 07120001, (KOUTS, IN quadrangle), on left bank, 20 ft downstream from bridge on State Highway 49, 0.7 mi upstream from Cook Ditch, 4.5 mi south of Kouts, and at mile 86.7.

DRAINAGE AREA.--1,376 mi², of which 194 mi² does not contribute directly to surface runoff.

PERIOD OF RECORD.--October 1974 to current year.

REVISED RECORDS.--WDR IN-77-1: 1975(M).

GAGE.--Water-stage recorder. Datum of gage is 645.00 ft above National Geodetic Vertical Datum of 1929.

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	573	2240	1640	e1370	2410	1570	2380	2510	2020	1010	728	416
2	585	2190	1910	1400	2810	1560	2480	2380	1890	969	720	418
3	573	2260	2040	1390	3010	1720	2590	2240	e1780	896	737	423
4	577	2280	1920	1380	3150	1950	2750	2100	e1750	870	746	345
5	629	2260	1790	1360	3230	2160	2890	1950	e1710	843	686	299
6	781	2140	1720	1320	3220	2240	2940	1880	e1740	792	644	301
7	857	1990	1650	1330	3110	2220	2920	1790	e1760	735	605	372
8	892	1920	1590	1350	2820	2350	2780	1750	e1700	728	567	324
9	877	1810	1500	e1360	2460	2640	2740	1780	e1610	727	528	336
10	861	1730	1460	e1360	2230	2840	2780	1900	e1570	802	480	341
11	840	1640	1460	e1310	2080	2940	2850	2050	e1520	823	469	386
12	951	1580	1390	e1310	1970	3020	2910	2660	1520	758	431	369
13	1200	1530	1380	e1290	1850	3030	2840	3460	1540	731	446	364
14	1860	1540	1390	e1280	1770	2980	2700	3650	1520	691	490	342
15	2480	1470	1480	e1260	1690	2810	2540	3800	1430	649	518	332
16	2780	1450	e1710	e1240	1610	2570	2360	3940	1410	628	541	366
17	3100	1430	e1880	e1220	1560	2380	2190	4070	1360	599	540	329
18	3200	1420	e2000	e1190	1530	2230	2070	4140	1290	575	519	379
19	3230	1400	e2080	e1160	1530	2140	2000	4150	1250	556	556	418
20	3220	1390	2120	e1180	1630	2050	1930	4090	1180	559	624	453
21	3190	1370	2020	e1170	1830	1980	2040	3970	1140	556	624	479
22	3100	1290	1900	e1160	1980	1870	2300	3740	1130	561	594	471
23	2900	1290	1830	1130	2010	1800	2480	3460	1080	620	603	442
24	2780	1280	1780	1140	1900	1720	2540	3200	1000	670	585	461
25	2980	1280	1720	1110	1810	1700	2480	2940	988	676	548	436
26	3040	1320	1640	1120	1760	1650	2320	2700	1090	648	518	438
27	3030	1300	1580	1070	1670	1620	2180	2500	1340	642	530	444
28	3020	1290	1540	1060	1630	1620	2240	2300	1330	707	481	440
29	2920	1280	1480	1080	---	1680	2380	2200	1160	879	438	375
30	2710	1420	e1420	1170	---	1900	2510	2190	1060	895	426	429
31	2430	---	e1380	1620	---	2170	---	2150	---	838	405	---
TOTAL	62166	48790	52400	38890	60260	67110	75110	87640	42868	22633	17327	11728
MEAN	2005	1626	1690	1255	2152	2165	2504	2827	1429	730.1	558.9	390.9
MAX	3230	2280	2120	1620	3230	3030	2940	4150	2020	1010	746	479
MIN	573	1280	1380	1060	1530	1560	1930	1750	988	556	405	299
CFSM	1.46	1.18	1.23	0.91	1.56	1.57	1.82	2.05	1.04	0.53	0.41	0.28
IN.	1.68	1.32	1.42	1.05	1.63	1.81	2.03	2.37	1.16	0.61	0.47	0.32

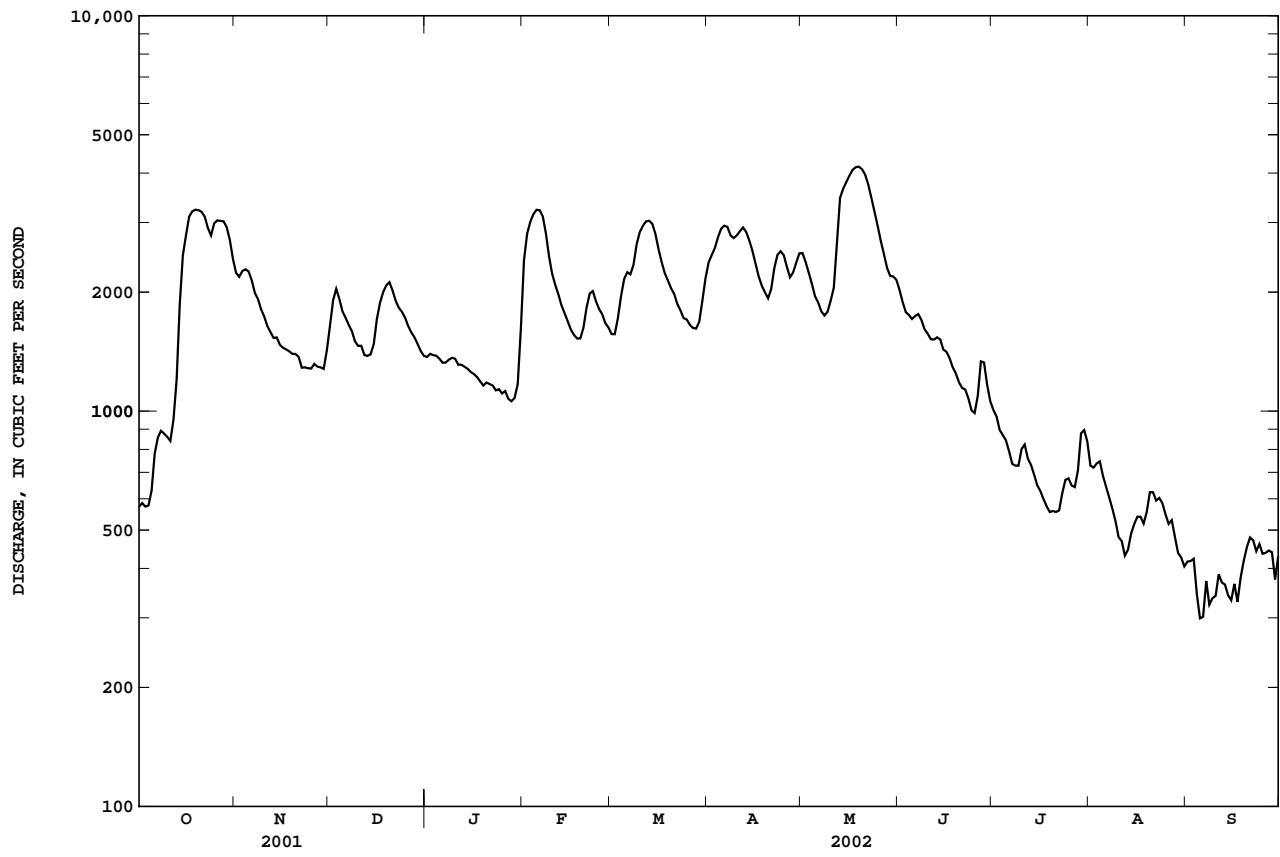
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2002, BY WATER YEAR (WY)

	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	1009	1255	1545	1524	1679	2317	2401	1891	1713	1203	933.2	803.4																
MAX	2770	2392	2889	3787	2784	4613	4229	3255	3403	2642	2432	2014																
(WY)	1991	1991	1991	1991	2001	1985	1985	1983	1996	1996	1990	1993																
MIN	461	437	704	634	718	1089	1144	1113	619	411	398	350																
(WY)	2000	2000	1979	1977	1978	1996	1987	1992	1988	1988	1988	1999																

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1975 - 2002
ANNUAL TOTAL	544170	586922	
ANNUAL MEAN	1491	1608	
HIGHEST ANNUAL MEAN			1521
LOWEST ANNUAL MEAN			2160
HIGHEST DAILY MEAN	3940	Feb 16	927
LOWEST DAILY MEAN	435	Sep 6	281
ANNUAL SEVEN-DAY MINIMUM	480	Sep 3	306
MAXIMUM PEAK FLOW			6410
MAXIMUM PEAK STAGE			281
ANNUAL RUNOFF (CFSM)	1.08		306
ANNUAL RUNOFF (INCHES)	14.71		6420
10 PERCENT EXCEEDS	2780		14.52
50 PERCENT EXCEEDS	1390		1.11
90 PERCENT EXCEEDS	625		15.02

e Estimated

05517530 KANKAKEE RIVER NEAR KOUTS, IN--Continued



05517890 COBB DITCH NEAR KOUTS, IN

LOCATION.--Lat 41°20'19", long 87°04'30", in NW¹/₄SE¹/₄ sec. 2, T.33 N., R.6 W., Porter County, Hydrologic Unit 07120001, (KOUTS, IN quadrangle), on left bank 15 ft upstream from bridge on County Road 50 West, 1.6 mi upstream from mouth, 3 mi northwest of Kouts, and 6.5 mi northeast of Hebron.

DRAINAGE AREA.--30.3 mi².

PERIOD OF RECORD.--July 1968 to current year. Prior to October 1971, published as State Ditch near Kouts.

GAGE.--Water-stage recorder. Datum of gage is 652.00 ft above National Geodetic Vertical Datum of 1929 (Indiana Department of Highways bench mark). Prior to Oct. 19, 1978, water-stage recorder at site 1.4 mi downstream at same datum.

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	25	32	e17	182	e23	31	47	24	18	14	10
2	11	52	26	e16	94	e24	78	47	24	16	16	10
3	11	45	23	e16	60	e37	89	42	24	14	15	11
4	11	35	22	e16	51	e40	48	38	23	16	14	9.9
5	15	31	21	17	39	e31	41	36	24	16	14	9.4
6	17	28	20	17	33	e30	40	37	23	14	13	8.6
7	14	26	20	17	30	76	35	39	22	15	13	7.7
8	13	25	20	17	27	240	51	38	21	14	12	8.7
9	12	24	20	17	27	193	171	95	21	23	10	9.5
10	12	23	23	17	30	115	73	67	22	28	11	8.8
11	13	22	20	17	31	67	54	76	22	24	12	8.8
12	30	21	19	17	31	54	44	496	22	24	11	8.8
13	28	21	19	17	28	47	38	303	22	22	11	9.5
14	170	21	20	17	26	42	35	120	22	20	11	9.4
15	80	20	22	16	25	38	33	86	22	19	11	9.4
16	113	20	22	16	23	34	32	71	21	20	11	9.6
17	106	20	35	16	22	35	35	78	21	20	12	9.5
18	48	20	35	16	22	36	33	58	21	20	11	9.7
19	37	20	27	16	23	33	32	48	19	19	13	10
20	31	19	24	16	88	31	71	40	19	17	13	11
21	29	19	22	16	64	29	80	36	20	17	12	11
22	28	19	21	15	40	28	72	32	20	17	12	10
23	32	19	23	16	32	27	52	30	19	17	12	10
24	50	19	23	16	31	27	48	30	19	17	12	10
25	111	19	24	15	31	28	48	29	20	17	12	10
26	50	18	e19	15	29	30	41	27	22	15	12	10
27	37	18	e18	15	27	29	45	25	20	14	11	10
28	31	18	e19	15	e23	31	122	25	19	15	9.4	10
29	34	19	e18	15	---	32	64	26	19	15	8.8	10
30	29	36	e17	33	---	42	52	25	18	15	9.6	10
31	27	---	e17	125	---	34	---	24	---	14	9.8	---
TOTAL	1241	722	691	627	1169	1563	1688	2171	635	552	368.6	290.3
MEAN	40.03	24.07	22.29	20.23	41.75	50.42	56.27	70.03	21.17	17.81	11.89	9.677
MAX	170	52	35	125	182	240	171	496	24	28	16	11
MIN	11	18	17	15	22	23	31	24	18	14	8.8	7.7
CFSM	1.32	0.79	0.74	0.67	1.38	1.66	1.86	2.31	0.70	0.59	0.39	0.32
IN.	1.52	0.89	0.85	0.77	1.44	1.92	2.07	2.67	0.78	0.68	0.45	0.36

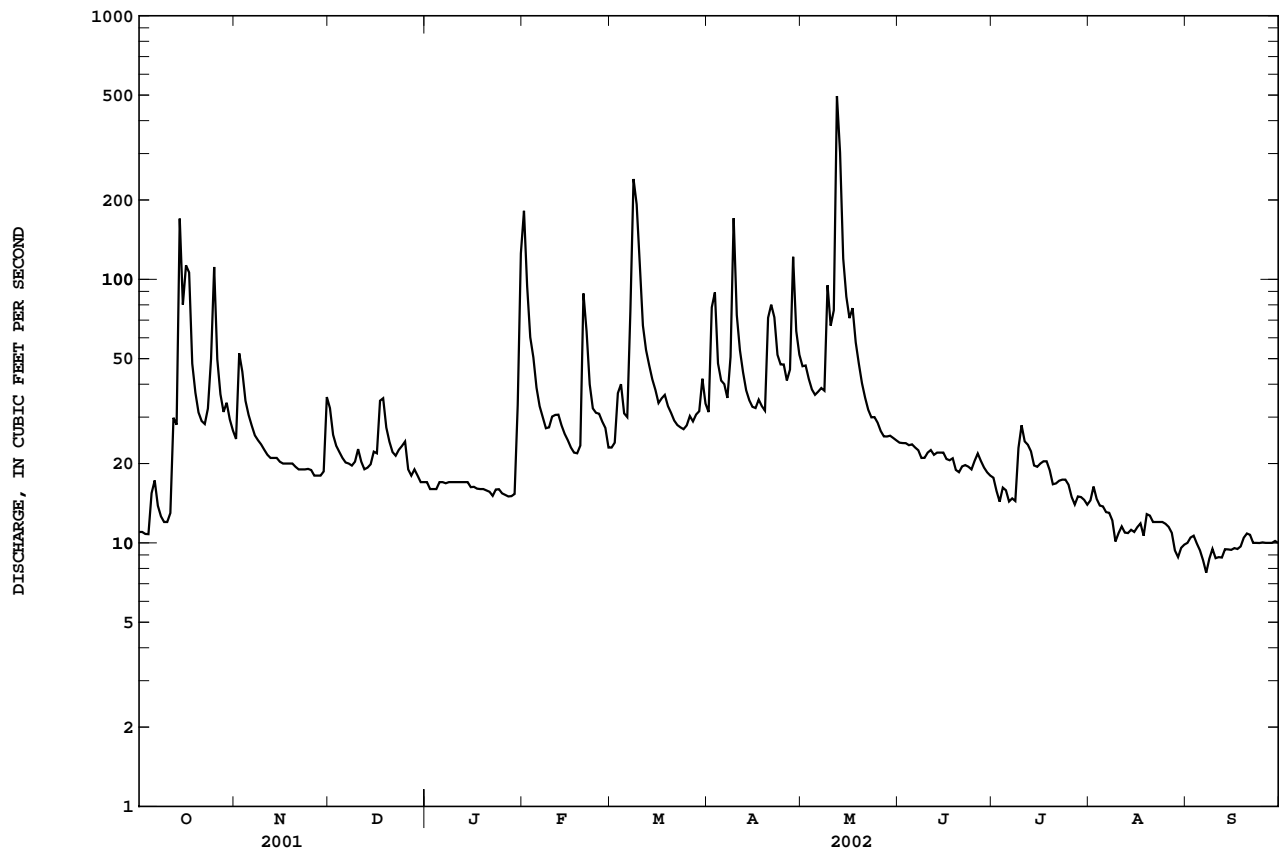
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2002, BY WATER YEAR (WY)

	1969	2000	2001	2000	1978	2000	2001	1980	1988	1988	2001	2002
MEAN	21.47	30.04	31.63	32.71	39.63	51.43	49.29	41.25	38.98	26.61	20.87	18.06
MAX	67.8	112	88.9	86.8	82.8	142	103	89.4	121	77.7	99.0	60.6
(WY)	1991	1986	1991	1993	1997	1982	1975	1974	1997	1996	1990	1993
MIN	9.35	9.62	9.70	10.5	10.6	17.8	19.7	14.9	14.6	12.0	9.45	9.68
(WY)	2000	2000	2001	2000	1978	2000	2001	1980	1988	1988	2001	2002

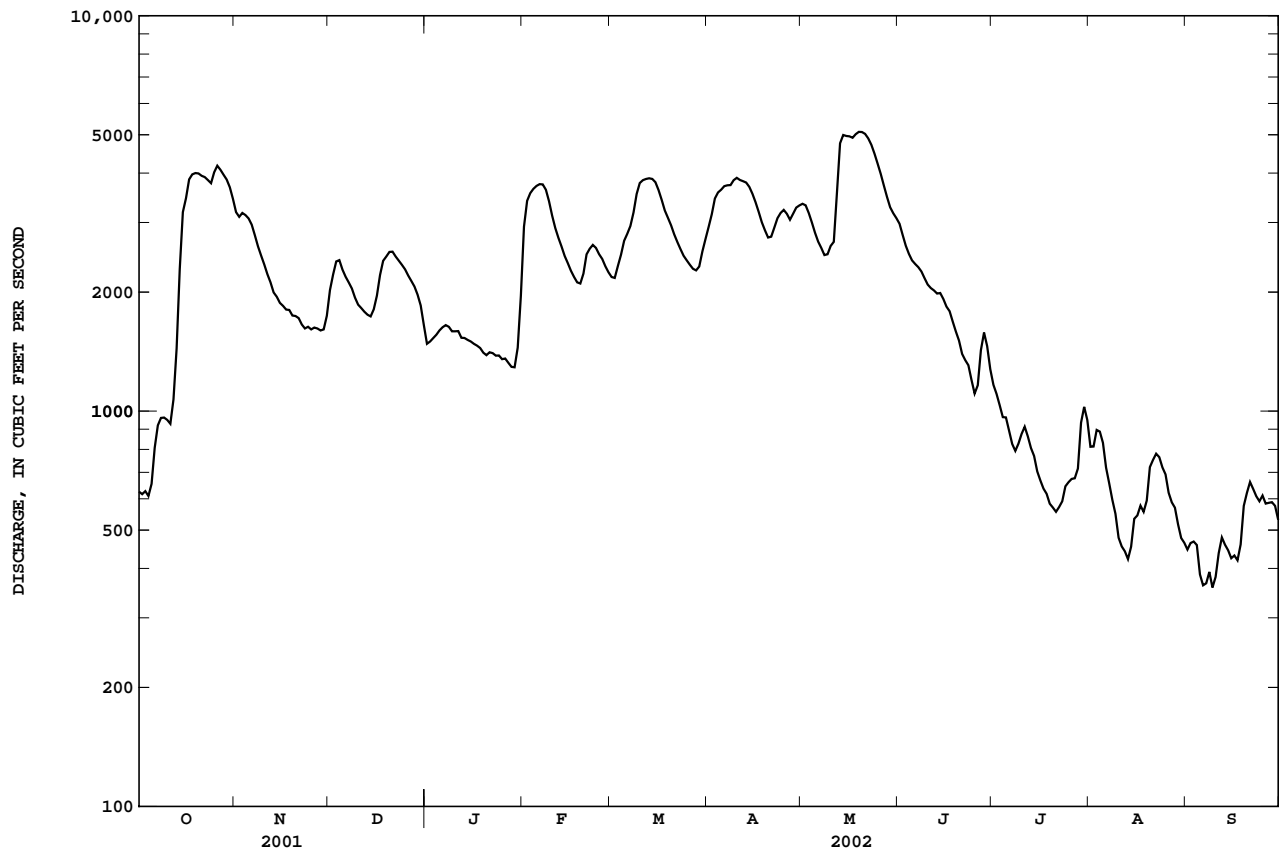
SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1969 - 2002
ANNUAL TOTAL	8589.2	11717.9	
ANNUAL MEAN	23.53	32.10	33.44
HIGHEST ANNUAL MEAN			53.1 1991
LOWEST ANNUAL MEAN			19.3 1977
HIGHEST DAILY MEAN	327	496	955 Nov 28 1990
LOWEST DAILY MEAN	6.0	7.7	6.0 Aug 15 2001
ANNUAL SEVEN-DAY MINIMUM	7.7	8.7	7.7 Aug 9 2001
MAXIMUM PEAK FLOW		585	585 May 12 1160 Nov 28 1990
MAXIMUM PEAK STAGE		13.70	13.70 May 12 17.95 Mar 29 1985
ANNUAL RUNOFF (CFSM)	0.78	1.06	1.10
ANNUAL RUNOFF (INCHES)	10.55	14.39	15.00
10 PERCENT EXCEEDS	34	54	57
50 PERCENT EXCEEDS	19	22	21
90 PERCENT EXCEEDS	10	11	13

e Estimated

05517890 COBB DITCH NEAR KOUTS, IN--Continued



05518000 KANKAKEE RIVER AT SHELBY, IN--Continued



05519000 SINGLETON DITCH AT SCHNEIDER, IN

LOCATION.--Lat 41°12'44", long 87°26'44", in SW¹/₄NW¹/₄ sec.22, T.32 N., R.9 W., Lake County, Hydrologic Unit 07120001, (SCHNEIDER, IN quadrangle), on left bank 15 ft upstream from bridge on Ackerman Avenue, 0.5 mi upstream from Bruce Ditch, 1.5 mi downstream from Cedar Creek, 1.6 mi north of Schneider, and at mile 10.1.

DRAINAGE AREA.--123 mi².

PERIOD OF RECORD.--July 1948 to December 2001 (discontinued).

REVISED RECORDS.--WSP 1915: 1956-59. WSP 2115: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 623.67 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1949, nonrecording gage at same site at datum 2.00 ft higher. Oct. 1, 1949, to Aug. 13, 1951, nonrecording gage at same site and datum.

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e15	84	145	---	---	---	---	---	---	---	---	---
2	e14	175	111	---	---	---	---	---	---	---	---	---
3	e14	250	97	---	---	---	---	---	---	---	---	---
4	e13	164	88	---	---	---	---	---	---	---	---	---
5	e13	131	82	---	---	---	---	---	---	---	---	---
6	e31	114	78	---	---	---	---	---	---	---	---	---
7	33	102	74	---	---	---	---	---	---	---	---	---
8	29	93	70	---	---	---	---	---	---	---	---	---
9	28	86	67	---	---	---	---	---	---	---	---	---
10	27	82	64	---	---	---	---	---	---	---	---	---
11	24	75	61	---	---	---	---	---	---	---	---	---
12	32	70	58	---	---	---	---	---	---	---	---	---
13	51	66	59	---	---	---	---	---	---	---	---	---
14	229	65	63	---	---	---	---	---	---	---	---	---
15	252	63	77	---	---	---	---	---	---	---	---	---
16	191	62	82	---	---	---	---	---	---	---	---	---
17	194	59	108	---	---	---	---	---	---	---	---	---
18	144	58	155	---	---	---	---	---	---	---	---	---
19	115	58	126	---	---	---	---	---	---	---	---	---
20	96	58	111	---	---	---	---	---	---	---	---	---
21	82	57	97	---	---	---	---	---	---	---	---	---
22	75	57	85	---	---	---	---	---	---	---	---	---
23	78	54	e81	---	---	---	---	---	---	---	---	---
24	103	53	e76	---	---	---	---	---	---	---	---	---
25	344	57	e73	---	---	---	---	---	---	---	---	---
26	239	54	e72	---	---	---	---	---	---	---	---	---
27	161	54	e69	---	---	---	---	---	---	---	---	---
28	127	52	e67	---	---	---	---	---	---	---	---	---
29	108	52	e66	---	---	---	---	---	---	---	---	---
30	95	100	e65	---	---	---	---	---	---	---	---	---
31	88	---	e64	---	---	---	---	---	---	---	---	---
TOTAL	3045	2505	2591	---	---	---	---	---	---	---	---	---
MEAN	98.23	83.50	83.58	---	---	---	---	---	---	---	---	---
MAX	344	250	155	---	---	---	---	---	---	---	---	---
MIN	13	52	58	---	---	---	---	---	---	---	---	---
CFSM	0.80	0.68	0.68	---	---	---	---	---	---	---	---	---
IN.	0.92	0.76	0.78	---	---	---	---	---	---	---	---	---

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

	MEAN	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	59.55	84.90	110.4	126.7	152.8	206.7	209.3	143.5	126.6	71.53	48.99	45.18
MAX	295	471	457	475	486	634	477	421	481	321	237	308
(WY)	1994	1986	1991	1993	1959	1982	1950	1974	1997	1996	1990	1993
MIN	7.54	11.8	8.13	17.5	15.6	34.3	48.6	30.6	26.3	10.6	7.09	7.78
(WY)	1964	1957	1964	1977	1964	1957	1963	1958	1988	1988	1964	1964

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

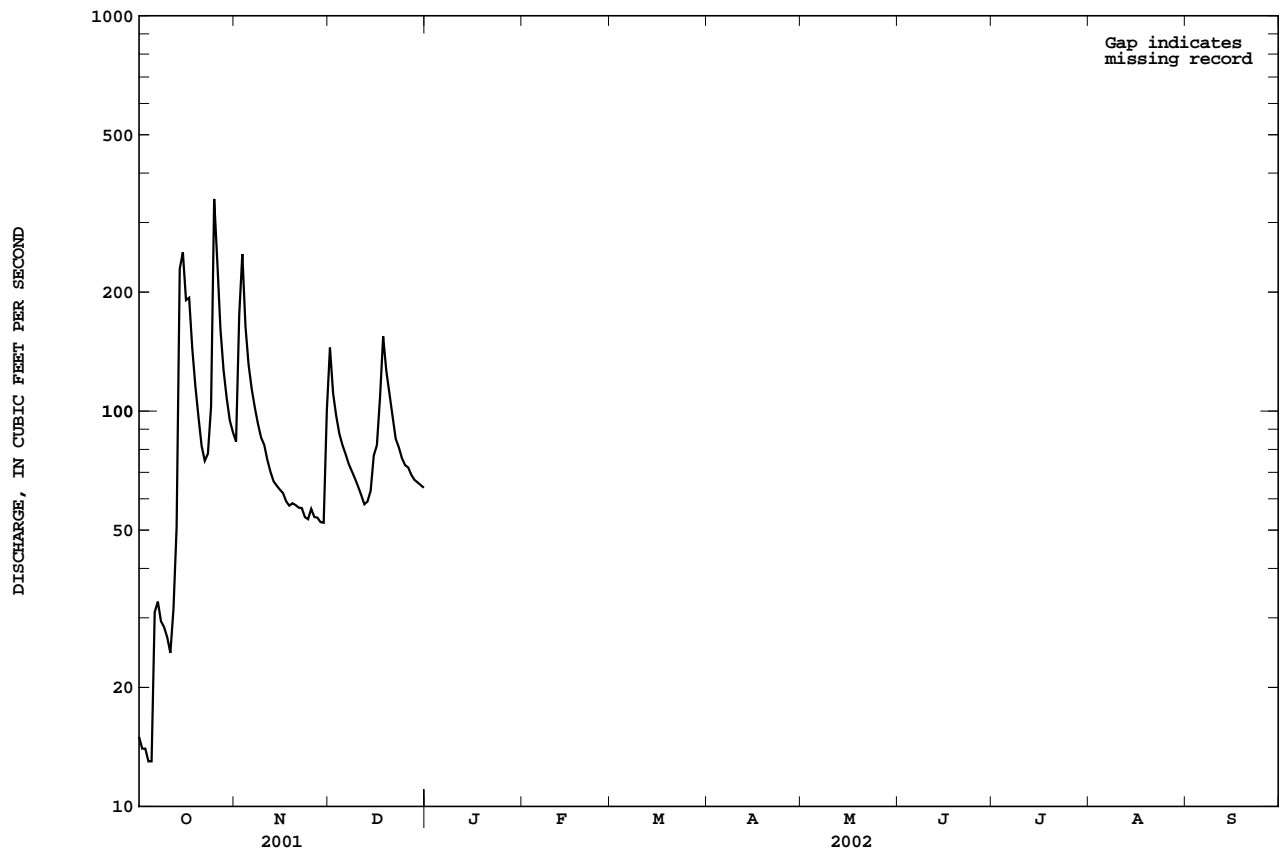
FOR 2002 WATER YEAR

WATER YEARS 1949 - 2002

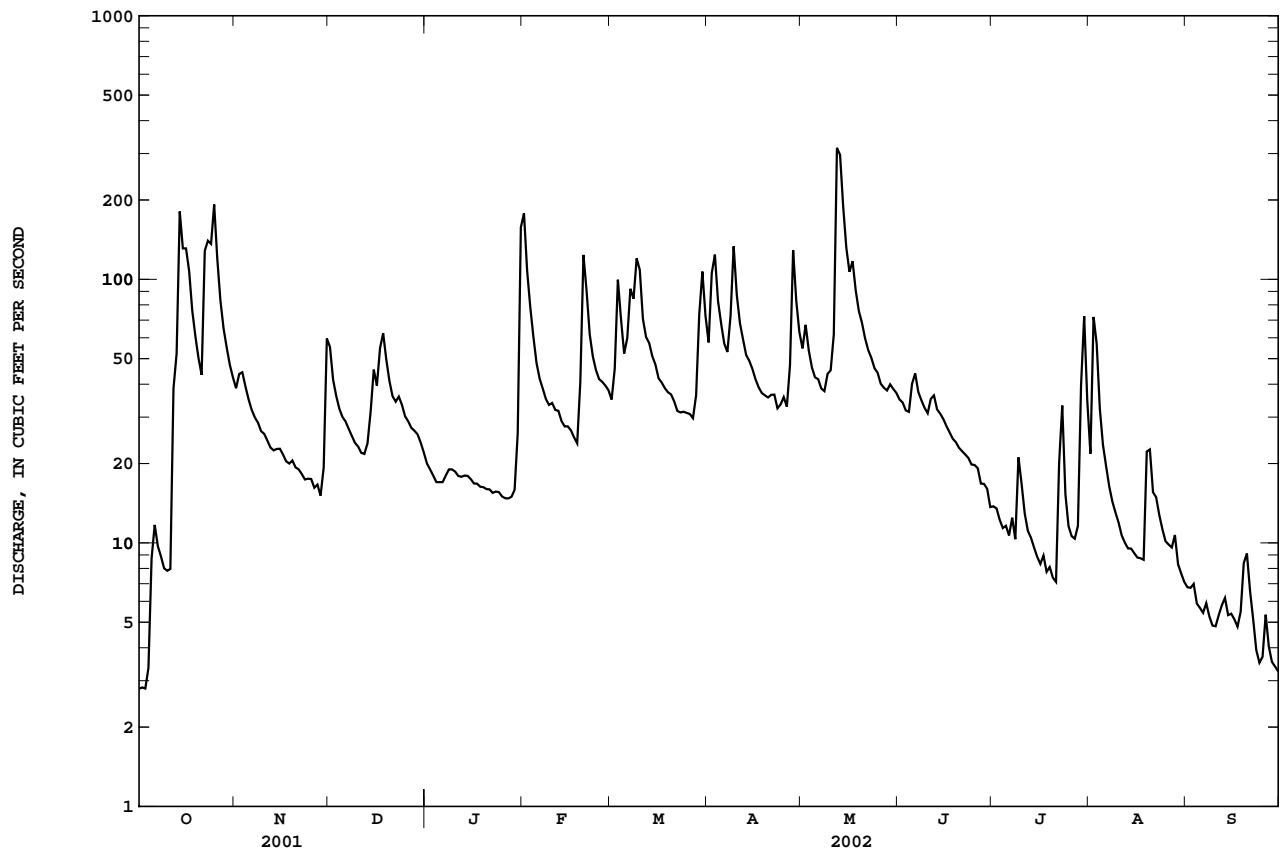
ANNUAL TOTAL	30089	8141		
ANNUAL MEAN	82.44	88.49		115.1
HIGHEST ANNUAL MEAN				227
LOWEST ANNUAL MEAN				24.0
HIGHEST DAILY MEAN	1200	Feb 25	344	Oct 25
LOWEST DAILY MEAN	12	Sep 15	13	Oct 4
ANNUAL SEVEN-DAY MINIMUM	14	Aug 9	19	Oct 1
MAXIMUM PEAK FLOW			387	Oct 25
MAXIMUM PEAK STAGE			4.08	Oct 25
ANNUAL RUNOFF (CFSM)	0.67		0.72	
ANNUAL RUNOFF (INCHES)	9.10		2.46	
10 PERCENT EXCEEDS	146		163	253
50 PERCENT EXCEEDS	57		74	61
90 PERCENT EXCEEDS	17		30	19

e Estimated

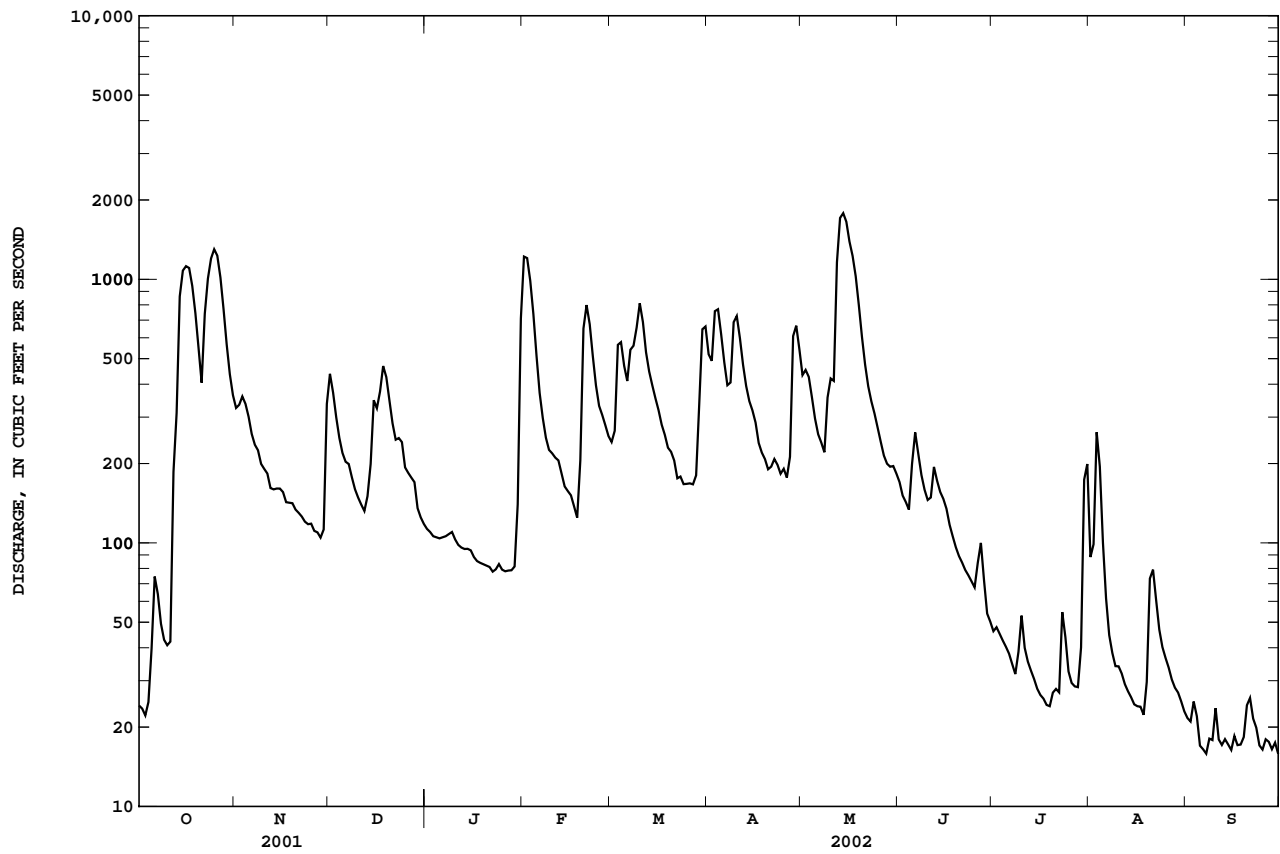
05519000 SINGLETON DITCH AT SCHNEIDER, IN--Continued



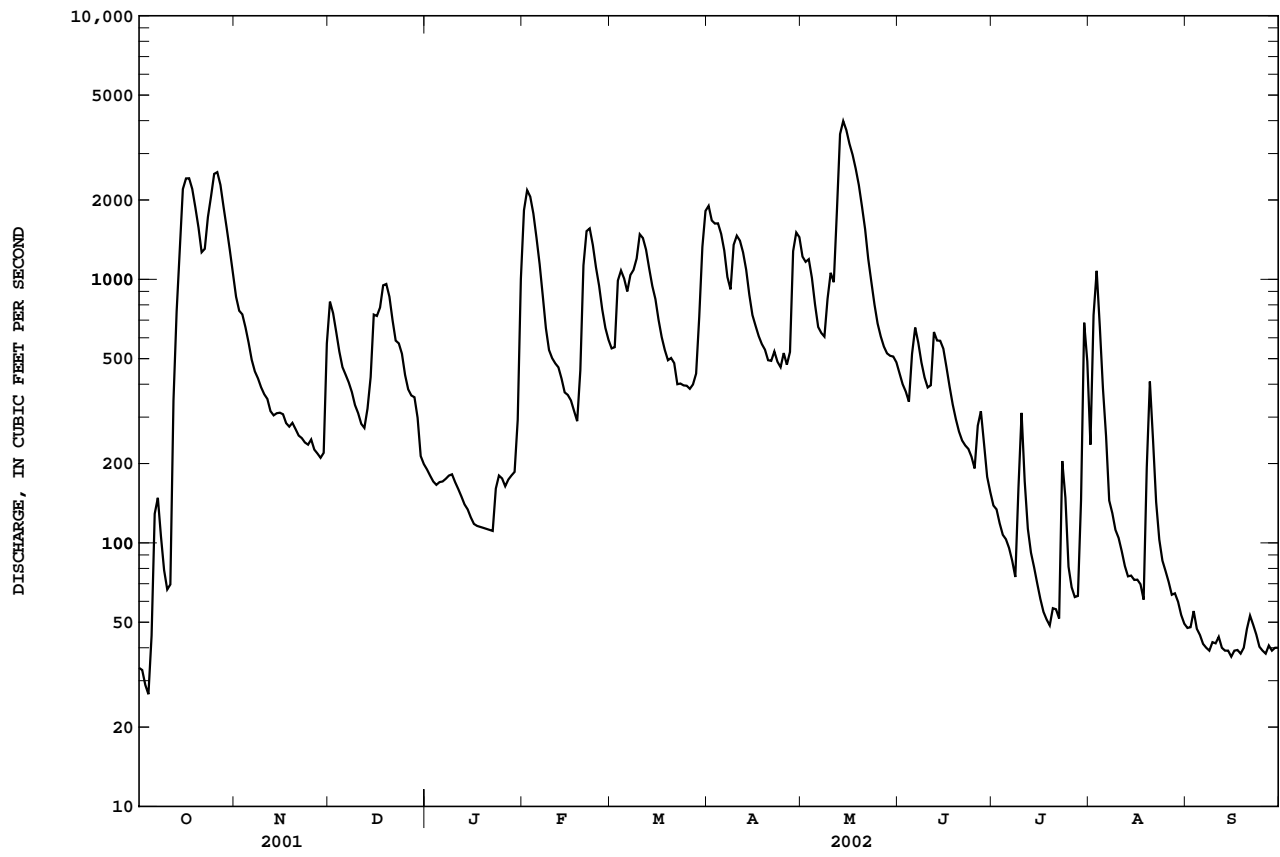
05521000 IROQUOIS RIVER AT ROSEBUD, IN--Continued



05522500 IROQUOIS RIVER AT RENNELAER, IN--Continued



05524500 IROQUOIS RIVER NEAR FORESMAN, IN--Continued



05536179 HART DITCH AT DYER, IN

LOCATION.--Lat 41°30'28", long 87°30'36", in NE¹/₄NE¹/₄ sec.12, T.35 N., R.10 W., Lake County, Hydrologic Unit 07120003, (CALUMET CITY, IL-IN quadrangle), on right bank, 50 ft upstream from 213th Street in Dyer, 0.8 mi upstream from Dyer Ditch, 0.8 mi east of Illinois state line, 3.5 mi east of intersection of U.S. Highway 30 and Interstate 394.

DRAINAGE AREA.--37.6 mi².

PERIOD OF RECORD.--October 1989 to current year.

GAGE.--Water-stage recorder. Datum of gage is 607.38 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except those for Sept. 10-30, which are poor. Low-flow affected by sewage effluent.

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	5.2	17	110	12	194	23	25	40	13	5.6	3.5	3.8
2	5.2	90	53	11	138	26	114	34	12	5.2	3.5	5.2
3	5.1	100	40	11	85	41	182	29	11	4.9	3.4	4.1
4	8.9	47	33	11	55	42	78	25	10	4.9	3.3	3.8
5	38	35	35	11	40	38	52	22	10	10	3.9	3.8
6	41	29	28	11	37	36	40	26	10	7.9	3.5	3.7
7	19	25	25	11	29	84	34	30	9.3	6.2	3.8	3.8
8	12	23	23	10	26	335	97	30	8.5	5.5	3.6	3.8
9	9.4	22	21	11	31	402	415	283	7.7	11	3.4	4.2
10	8.1	19	19	12	107	234	164	204	7.4	32	3.4	3.6
11	7.4	18	17	12	91	117	88	178	7.9	13	3.4	3.8
12	50	16	17	12	55	81	59	950	6.7	7.4	3.7	4.0
13	70	15	18	12	44	61	44	722	6.8	5.8	4.4	4.0
14	295	15	24	12	35	48	36	272	7.1	5.0	3.9	4.1
15	143	16	43	12	30	40	31	169	7.3	4.4	3.8	4.0
16	63	15	33	12	27	33	27	125	7.0	4.1	5.5	4.2
17	50	14	49	11	25	28	24	136	6.4	3.9	4.0	4.1
18	36	14	68	11	23	26	22	84	6.1	3.8	3.6	4.7
19	29	14	42	10	27	24	20	62	5.7	3.8	4.7	5.1
20	25	14	33	10	165	24	41	55	5.5	3.6	4.1	5.2
21	22	14	27	10	145	23	45	42	5.3	3.5	3.9	3.8
22	20	13	25	10	73	20	50	35	5.1	3.5	4.3	3.6
23	22	12	28	12	51	19	36	31	4.9	3.4	4.3	3.7
24	28	16	29	14	41	18	32	88	5.1	3.3	4.0	3.6
25	53	28	21	13	35	17	52	59	5.1	3.4	3.9	3.6
26	36	23	21	14	32	17	36	35	6.5	3.4	3.9	3.6
27	26	20	19	13	30	17	39	26	9.0	3.8	3.8	3.7
28	23	18	17	13	25	20	165	22	9.2	3.7	3.9	3.7
29	21	19	16	13	---	23	76	19	7.3	4.2	3.8	3.4
30	19	138	14	15	---	38	49	17	6.1	3.8	3.9	3.1
31	17	---	13	59	---	30	---	15	---	3.7	3.8	---
TOTAL	1207.3	859	961	411	1696	1985	2173	3865	229.0	187.7	119.9	118.8
MEAN	38.95	28.63	31.00	13.26	60.57	64.03	72.43	124.7	7.633	6.055	3.868	3.960
MAX	295	138	110	59	194	402	415	950	13	32	5.5	5.2
MIN	5.1	12	13	10	23	17	20	15	4.9	3.3	3.3	3.1
CFSM	1.04	0.76	0.82	0.35	1.61	1.70	1.93	3.32	0.20	0.16	0.10	0.11
IN.	1.19	0.85	0.95	0.41	1.68	1.96	2.15	3.82	0.23	0.19	0.12	0.12

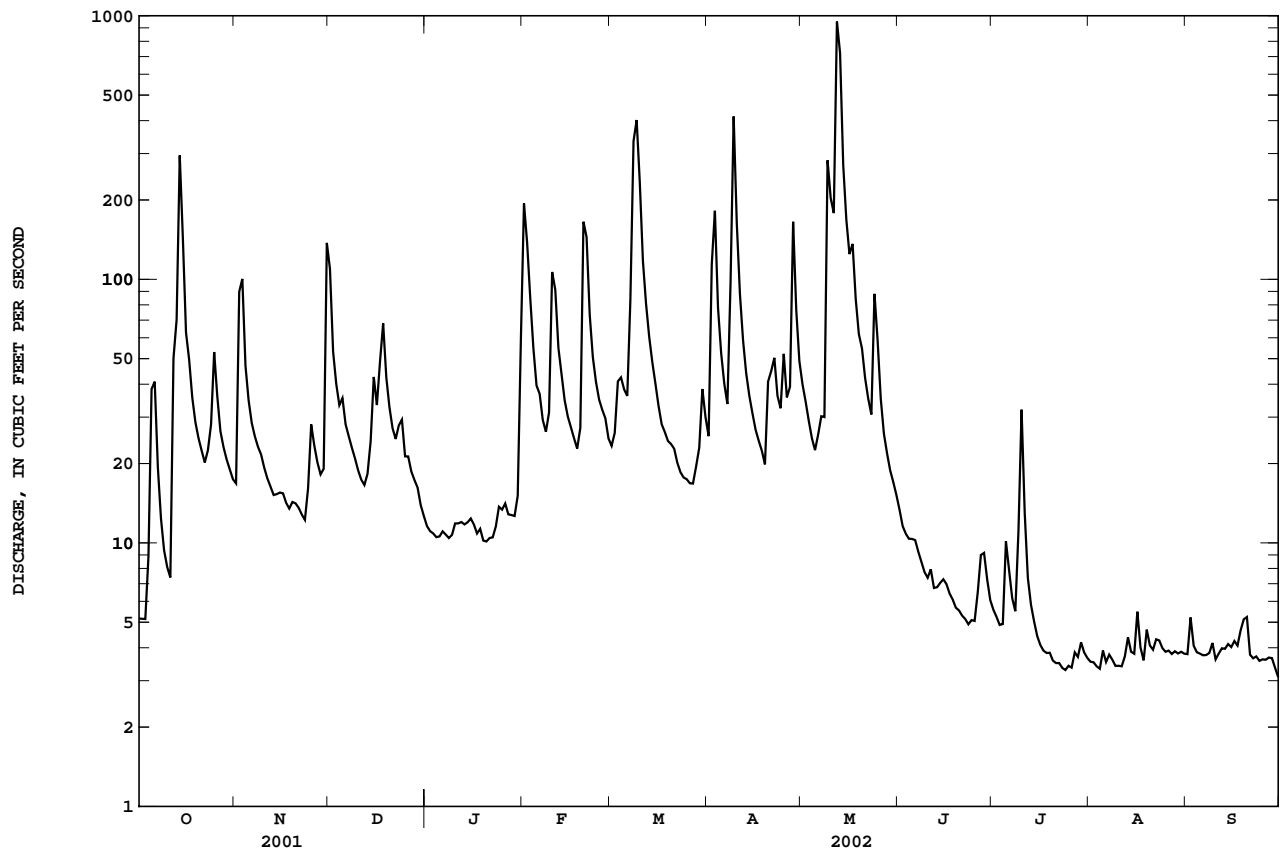
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2002, BY WATER YEAR (WY)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MEAN	23.44	44.74	36.14	48.87	60.99	67.31	58.69	57.17	55.09	20.02	19.61	14.81	
MAX	113	195	106	136	183	169	138	140	182	92.9	74.1	106	
(WY)	1994	1991	1991	1993	1997	1991	1999	1996	1993	1996	1998	1993	
MIN	2.77	3.55	4.92	4.44	8.23	7.00	16.6	7.48	4.21	4.46	3.87	2.41	
(WY)	1996	2000	1990	2000	2000	2000	2001	1992	1992	1991	2002	1994	

SUMMARY STATISTICS

	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1990 - 2002		
ANNUAL TOTAL	10548.7		13812.7				
ANNUAL MEAN	28.90		37.84		42.09		
HIGHEST ANNUAL MEAN					76.6	1993	
LOWEST ANNUAL MEAN					19.1	2000	
HIGHEST DAILY MEAN	680	Feb 9	950	May 12	2580	Nov 28 1990	
LOWEST DAILY MEAN	4.1	Jul 18	3.1	Sep 30	0.61	Oct 23 1995	
ANNUAL SEVEN-DAY MINIMUM	4.4	Aug 8	3.4	Jul 20	0.95	Sep 17 1994	
MAXIMUM PEAK FLOW			1120		May 12	3010	Nov 28 1990
MAXIMUM PEAK STAGE			9.35		May 12	15.33	Nov 28 1990
ANNUAL RUNOFF (CFSM)	0.77		1.01		1.12		
ANNUAL RUNOFF (INCHES)	10.44		13.67		15.21		
10 PERCENT EXCEEDS	52		82		98		
50 PERCENT EXCEEDS	15		17		13		
90 PERCENT EXCEEDS	4.9		3.8		4.0		

05536179 HART DITCH AT DYER, IN--Continued



05536190 HART DITCH AT MUNSTER, IN

LOCATION.--Lat 41°33'40", long 87°28'50", in SE¹/₄NW¹/₄ sec.20, T.36 N., R.9 W., Lake County, Hydrologic Unit 07120003, (HIGHLAND, IN quadrangle), on left bank, 0.2 mi downstream from Ridge Road, 0.4 mi upstream from mouth, and 0.9 mi south of intersection of Interstate 80/90 and U.S. Highway 41.

DRAINAGE AREA.--70.7 mi².

PERIOD OF RECORD.--September 1942 to current year.

REVISED RECORDS.--WDR IN-72-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 591.27 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources).

REMARKS.--Records fair except for daily discharges above 170 ft³/s due to possible backwater from Little Calumet River 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	18	37	278	26	468	56	61	89	41	21	14	11
2	17	281	115	25	298	90	285	80	38	20	14	60
3	14	231	88	24	164	123	408	68	37	20	13	19
4	67	96	74	23	110	108	162	58	36	26	13	12
5	378	71	78	23	77	91	113	52	38	29	18	11
6	168	58	67	25	73	104	90	83	35	24	14	11
7	80	52	55	24	63	237	83	71	32	20	13	11
8	50	49	49	23	61	926	392	98	31	19	13	10
9	37	45	46	24	78	1180	1220	867	28	37	13	9.9
10	31	42	43	26	182	679	487	569	28	67	12	11
11	27	40	40	28	163	279	211	605	34	36	12	12
12	289	37	39	29	99	172	134	e2500	27	26	12	11
13	433	35	52	29	81	128	101	e1510	27	21	24	10
14	1090	44	74	30	67	101	85	e580	66	19	14	11
15	541	38	94	30	63	86	74	e350	34	16	13	12
16	237	37	82	29	65	78	65	e260	27	16	35	12
17	134	34	132	28	53	67	60	e280	25	15	21	12
18	87	33	153	27	48	62	54	e220	23	17	14	19
19	69	42	101	26	75	57	50	e180	21	25	31	27
20	54	38	74	25	370	58	138	145	23	17	17	33
21	44	35	54	27	321	54	131	101	20	15	14	15
22	45	33	49	29	144	48	121	85	20	14	28	13
23	99	32	65	30	101	46	91	73	20	14	20	12
24	124	69	59	33	85	44	103	279	19	13	17	12
25	151	66	43	31	73	45	119	151	42	13	13	10
26	88	53	43	33	76	45	84	99	54	14	12	9.7
27	64	48	39	31	70	45	127	78	85	24	12	10
28	52	43	37	30	60	50	324	66	35	16	11	9.9
29	47	57	34	30	---	69	162	59	28	26	11	13
30	43	442	30	45	---	82	107	51	24	19	12	11
31	42	---	28	151	---	68	---	41	---	15	12	---
TOTAL	4620	2218	2215	994	3588	5278	5642	9748	998	674	492	440.5
MEAN	149.0	73.93	71.45	32.06	128.1	170.3	188.1	314.5	33.27	21.74	15.87	14.68
MAX	1090	442	278	151	468	1180	1220	2500	85	67	35	60
MIN	14	32	28	23	48	44	50	41	19	13	11	9.7
CFSM	2.11	1.05	1.01	0.45	1.81	2.41	2.66	4.45	0.47	0.31	0.22	0.21
IN.	2.43	1.17	1.17	0.52	1.89	2.78	2.97	5.13	0.53	0.35	0.26	0.23

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

	MEAN	MAX	MIN	(WY)	MEAN	MAX	MIN	(WY)	MEAN	MAX	MIN	(WY)
1943	33.45	282	3.95	1965	51.45	287	3.54	1972	64.45	279	3.07	1964
1944	68.45	335	3.77	1977	89.96	479	6.32	1963	136.3	429	19.1	1957
1945	133.0	430	11.9	1958	104.3	373	11.9	1957	74.90	423	8.78	1965
1946	36.97	335	6.11	1965	30.20	156	4.73	1964	28.09	219	3.91	1956

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

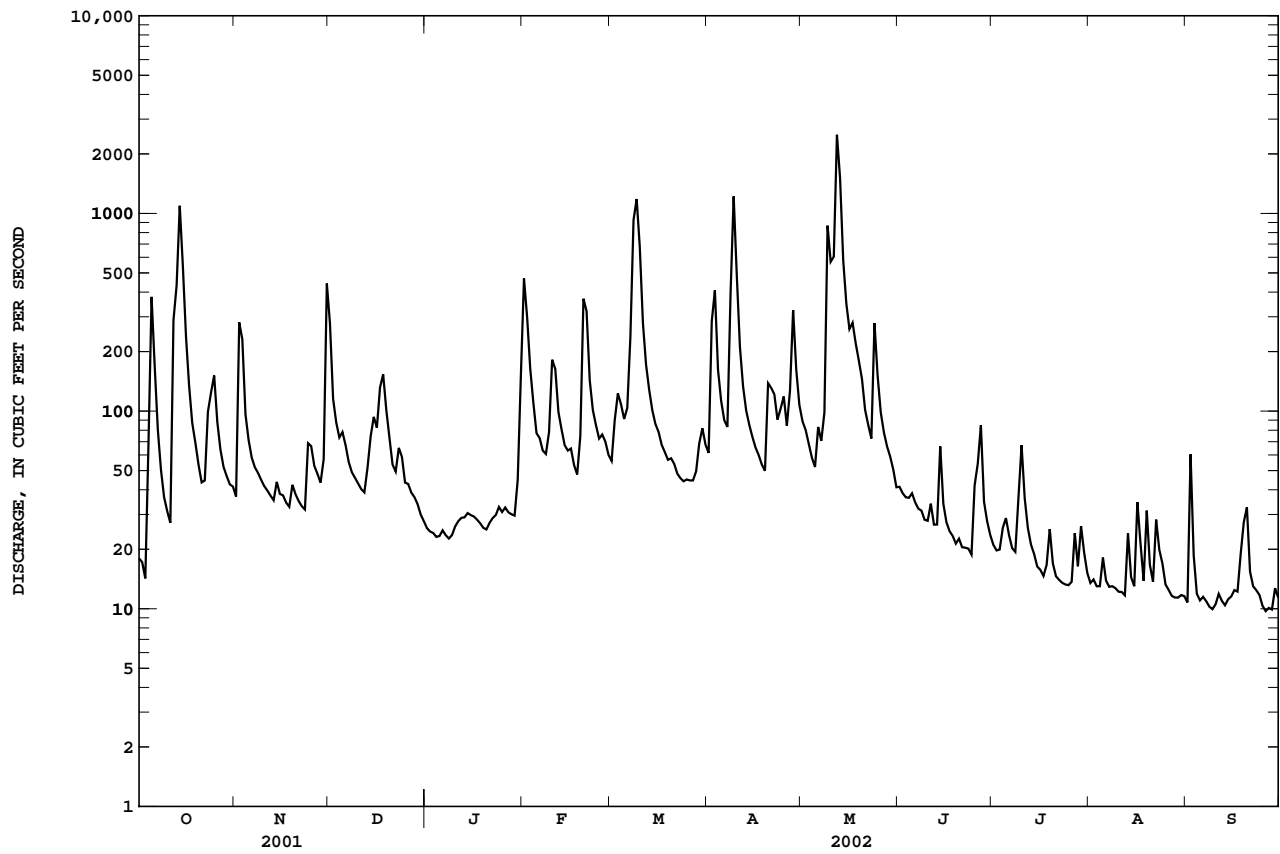
WATER YEARS 1943 - 2002

ANNUAL TOTAL	28124	36907.5	
ANNUAL MEAN	77.05	101.1	70.82
HIGHEST ANNUAL MEAN			160 1993
LOWEST ANNUAL MEAN			19.2 1964
HIGHEST DAILY MEAN	1250	Feb 10	e2500 May 12 2600 Nov 28 1990
LOWEST DAILY MEAN	12	Jul 11	9.7 Sep 26 1.6 Dec 24 1963
ANNUAL SEVEN-DAY MINIMUM	13	Jul 11	11 Sep 7 1.7 Sep 3 1964
MAXIMUM PEAK FLOW			unknown 3010 Nov 28 1990
MAXIMUM PEAK STAGE			c7.84 May 12 8.72 Nov 28 1990
ANNUAL RUNOFF (CFSM)	1.09		1.43 1.00
ANNUAL RUNOFF (INCHES)	14.80		19.42 13.61
10 PERCENT EXCEEDS	133		215 151
50 PERCENT EXCEEDS	42		44 24
90 PERCENT EXCEEDS	16		13 6.1

e Estimated

c Backwater

05536190 HART DITCH AT MUNSTER, IN--Continued



05536195 LITTLE CALUMET RIVER AT MUNSTER, IN

LOCATION.--Lat 41°34'38", long 87°31'17", in SE¹/₄NW¹/₄ sec.13, T.36 N., R.10 W., Lake County, Hydrologic Unit 07120003, (CALUMET CITY, IL-IN quadrangle), on left bank 200 ft upstream from Hohman Avenue bridge at north city limits of Munster, 0.4 mi upstream from Indiana-Illinois State line, and 4.6 mi upstream from Thorn Creek.

DRAINAGE AREA.--90.0 mi². During times of floods on Deep River, flow may enter basin from eastern portion of Little Calumet River Basin; or, during times of floods on Hart Ditch, flow may leave the basin and enter eastern portion of the Little Calumet River Basin.

PERIOD OF RECORD.--June 1958 to current year.

GAGE.--Water-stage recorder. Datum of gage is 580.72 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor. Flow from eastern portion of Little Calumet River Basin is diverted to Lake Michigan by Burns Ditch. Periods of high flow frequently are in backwater from downstream storage.

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	32	39	136	e23	155	41	34	39	23	21	18	19
2	30	117	91	e22	134	57	118	35	22	21	17	29
3	28	133	71	e21	98	88	163	27	21	21	16	21
4	39	92	60	e20	75	77	99	21	21	22	16	18
5	167	72	56	e20	54	75	72	17	23	28	20	17
6	114	62	57	e22	51	71	58	38	21	26	16	17
7	80	56	48	21	44	114	52	30	20	23	13	16
8	64	52	44	20	41	224	132	48	19	23	14	17
9	53	49	40	20	47	308	334	201	18	30	13	19
10	46	47	38	22	89	240	228	185	18	45	12	15
11	42	46	36	23	99	137	123	166	20	36	12	13
12	133	44	35	25	71	105	91	701	19	29	12	14
13	154	42	41	26	58	84	69	656	17	25	18	13
14	312	47	51	27	49	70	54	375	39	24	17	12
15	224	46	62	28	43	56	44	228	25	23	12	12
16	129	45	61	29	45	51	36	178	19	22	20	12
17	96	44	78	30	40	44	31	153	17	22	23	20
18	75	43	90	29	55	40	25	120	17	21	14	14
19	60	47	74	27	49	37	25	96	15	28	23	12
20	48	47	63	25	128	38	93	79	16	23	17	26
21	39	46	54	25	137	35	84	65	15	21	14	18
22	36	45	50	27	94	31	80	53	15	21	21	14
23	79	44	55	28	73	29	59	44	15	21	18	24
24	79	68	52	31	61	29	56	88	15	19	17	15
25	102	63	e47	31	53	31	63	69	33	19	16	14
26	76	52	e44	32	55	31	39	51	39	19	21	21
27	59	48	e38	33	51	30	53	41	50	25	20	17
28	50	43	e33	32	44	32	125	35	28	22	19	16
29	46	50	e29	31	---	39	85	32	24	25	19	12
30	42	151	e26	38	---	52	53	29	23	24	19	12
31	41	---	e24	79	---	42	---	23	---	19	25	---
TOTAL	2575	1780	1684	867	1993	2338	2578	3923	667	748	532	499
MEAN	83.06	59.33	54.32	27.97	71.18	75.42	85.93	126.5	22.23	24.13	17.16	16.63
MAX	312	151	136	79	155	308	334	701	50	45	25	29
MIN	28	39	24	20	40	29	25	17	15	19	12	12
CFSM	0.92	0.66	0.60	0.31	0.79	0.84	0.95	1.41	0.25	0.27	0.19	0.18
IN.	1.06	0.74	0.70	0.36	0.82	0.97	1.07	1.62	0.28	0.31	0.22	0.21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2002, BY WATER YEAR (WY)

	35.47	58.55	73.19	63.68	84.26	125.8	127.3	94.33	71.88	39.80	36.91	39.44
MEAN	35.47	58.55	73.19	63.68	84.26	125.8	127.3	94.33	71.88	39.80	36.91	39.44
MAX	151	212	301	199	252	386	268	266	222	185	141	217
(WY)	1994	1973	1983	1993	1959	1979	1973	1959	1993	1996	1990	1965
MIN	6.47	5.29	7.12	7.32	8.49	18.2	21.3	18.1	11.2	9.56	7.28	5.54
(WY)	1969	1972	1961	1961	1963	2000	1963	1992	1965	1991	1964	1966

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

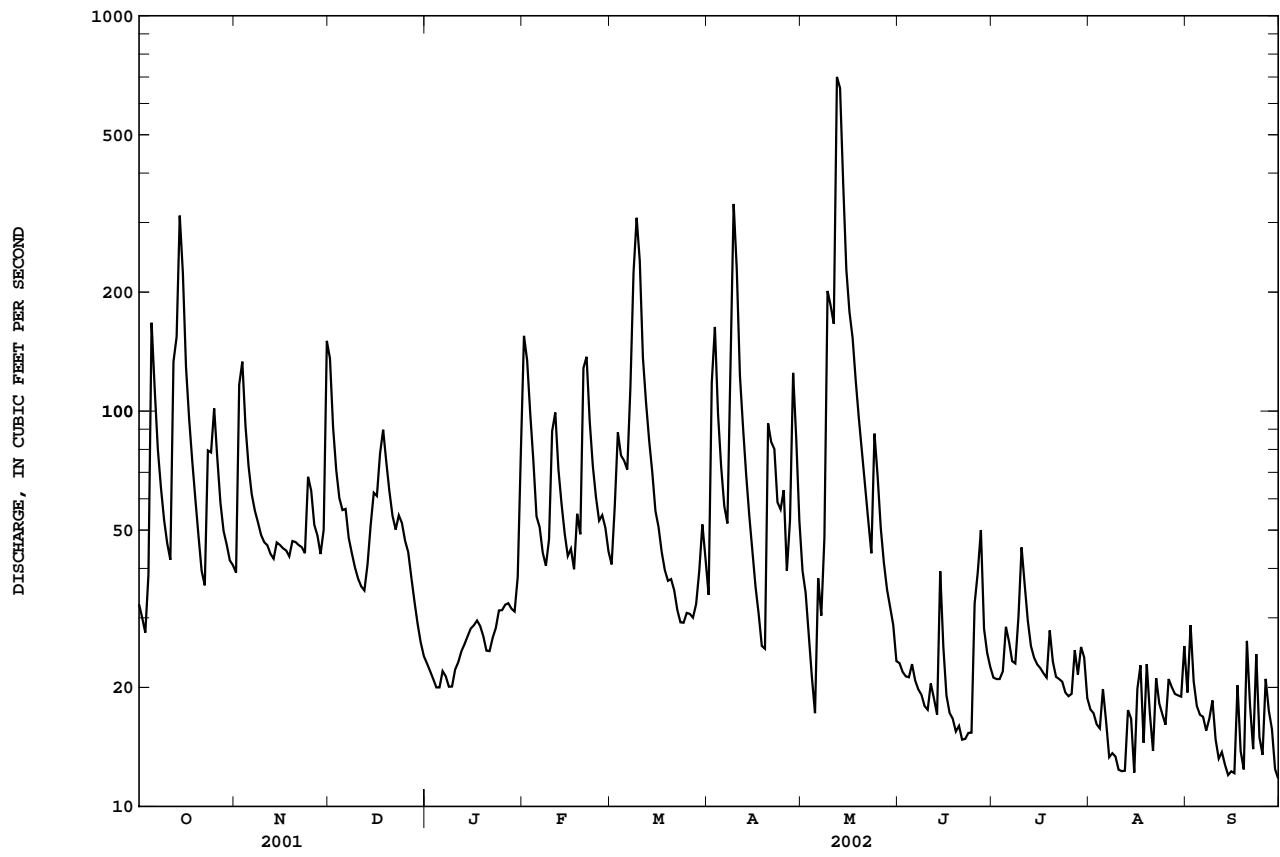
FOR 2002 WATER YEAR

WATER YEARS 1959 - 2002

ANNUAL TOTAL	20588	20184	70.74	
ANNUAL MEAN	56.41	55.30		
HIGHEST ANNUAL MEAN			121	1973
LOWEST ANNUAL MEAN			23.5	1964
HIGHEST DAILY MEAN	525	Feb 10	701	May 12
LOWEST DAILY MEAN	14	Jul 14	12	Aug 10
ANNUAL SEVEN-DAY MINIMUM	14	Jul 14	13	Sep 10
MAXIMUM PEAK FLOW			811	May 13
MAXIMUM PEAK STAGE			15.35	May 13
ANNUAL RUNOFF (CFSM)	0.63		0.61	
ANNUAL RUNOFF (INCHES)	8.51		8.34	
10 PERCENT EXCEEDS	95		114	
50 PERCENT EXCEEDS	44		38	
90 PERCENT EXCEEDS	23		17	

e Estimated

05536195 LITTLE CALUMET RIVER AT MUNSTER, IN--Continued



05536357 GRAND CALUMET RIVER AT HOHMAN AVE AT HAMMOND, IN

LOCATION.--Lat 41°37'28", long 87°31'04", in NE¹/₄NW¹/₄sec. 36, T37 N., R10 W., Lake County, Hydrologic Unit 07120003, (CALUMET CITY, IL-IN quadrangle), on left bank, 20 feet upstream of Hohman Avenue, 1,000 feet east of Indiana-Illinois State line, 0.57 mi downstream of U.S. Highway 41, and 0.7 mi north of St. Margaret's Hospital (Hohman Avenue).

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1991 to current year.

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

REMARKS.--Records 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	3.8	4.9	13	3.9	16	9.1	5.8	3.1	2.9	e4.0	e8.0	0.44
2	2.1	14	10	4.3	10	14	13	3.7	3.2	e3.0	e7.4	2.2
3	2.2	7.1	9.2	4.7	8.9	16	8.1	4.9	5.3	e2.0	e5.2	0.60
4	12	5.2	8.8	3.6	9.0	12	5.7	2.5	5.7	e5.0	e4.0	0.76
5	43	5.9	8.3	4.0	8.4	11	5.1	2.5	2.3	e11	e12	0.71
6	16	5.7	9.9	5.2	8.8	12	4.6	4.2	1.1	e7.0	10	1.1
7	12	5.7	7.8	4.7	8.4	15	5.5	2.1	0.78	e5.0	6.8	0.58
8	6.6	6.1	7.2	3.5	9.2	17	16	2.9	0.97	e3.2	5.3	0.75
9	5.6	5.6	6.4	3.7	11	e14	16	38	2.1	e7.0	5.9	0.41
10	4.8	5.9	7.2	3.6	13	e12	22	22	2.4	e16	5.8	0.60
11	5.5	5.7	6.0	3.0	12	e12	7.2	30	2.9	e11	5.5	2.0
12	38	4.8	6.4	3.9	11	e11	8.2	166	2.9	e6.0	5.5	0.80
13	38	5.5	7.8	4.4	10	10	7.4	95	2.3	e4.1	4.6	1.3
14	80	7.4	11	4.2	9.4	9.8	4.9	40	4.6	e3.5	5.3	0.28
15	21	5.8	7.5	4.2	9.4	9.2	6.2	14	3.3	e3.0	5.4	0.53
16	19	6.0	5.9	4.0	9.2	8.4	5.8	14	2.4	e4.0	6.1	1.8
17	17	4.8	15	4.5	8.8	8.3	7.6	13	1.7	e3.3	5.0	1.7
18	10	4.3	8.8	4.0	8.7	7.9	6.4	9.4	2.9	e2.8	3.3	1.3
19	8.2	8.6	8.3	3.9	13	7.9	7.3	5.9	2.6	e11	3.9	1.1
20	6.6	5.5	7.8	4.1	19	8.4	22	5.2	2.8	e7.0	3.3	4.8
21	5.6	4.8	6.5	4.5	13	7.7	12	4.5	4.4	e5.0	1.0	2.5
22	5.8	4.2	7.0	4.0	12	7.7	11	2.8	7.1	e6.0	11	2.9
23	28	3.4	8.7	4.3	9.9	7.0	8.4	3.0	8.4	e5.0	0.77	1.4
24	28	15	6.6	4.2	9.1	6.7	8.0	15	11	e5.6	1.9	1.1
25	20	9.8	4.9	3.5	9.2	7.5	11	7.0	16	e4.4	0.71	0.39
26	11	5.8	4.3	3.5	12	7.4	4.7	3.8	e18	e3.6	2.0	0.95
27	9.5	6.2	5.7	4.0	9.7	6.8	6.9	3.1	e13	e10	1.8	0.38
28	7.7	6.2	5.4	4.1	9.1	6.9	13	3.5	e7.0	e7.2	1.4	0.81
29	7.1	8.0	4.9	4.8	---	8.6	7.5	3.4	e4.0	e9.0	0.94	1.1
30	6.9	29	4.2	8.2	---	6.8	4.5	3.0	e5.0	e7.4	0.55	1.4
31	5.6	---	4.3	13	---	6.1	---	3.4	---	e5.7	0.41	---
TOTAL	486.6	216.9	234.8	139.5	297.2	304.2	271.8	530.9	149.05	187.8	140.78	36.69
MEAN	15.70	7.230	7.574	4.500	10.61	9.813	9.060	17.13	4.968	6.058	4.541	1.223
MAX	80	29	15	13	19	17	22	166	18	16	12	4.8
MIN	2.1	3.4	4.2	3.0	8.4	6.1	4.5	2.1	0.78	2.0	0.41	0.28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2002, BY WATER YEAR (WY)

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MEAN	33.41	31.57	27.74	27.24	31.50	36.05	39.73	42.03	44.14	47.57	38.07	33.95
MAX	80.4	63.7	65.2	66.8	95.9	81.5	90.8	85.9	98.8	102	93.9	88.9
(WY)	1998	1998	1998	1998	1997	1998	1998	1998	1993	1993	1997	1997
MIN	8.64	6.28	4.92	4.50	6.24	8.44	9.06	9.98	5.83	18.1	5.25	1.22
(WY)	2000	2000	2001	2002	2000	2000	2002	2001	2002	1999	2002	2002

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

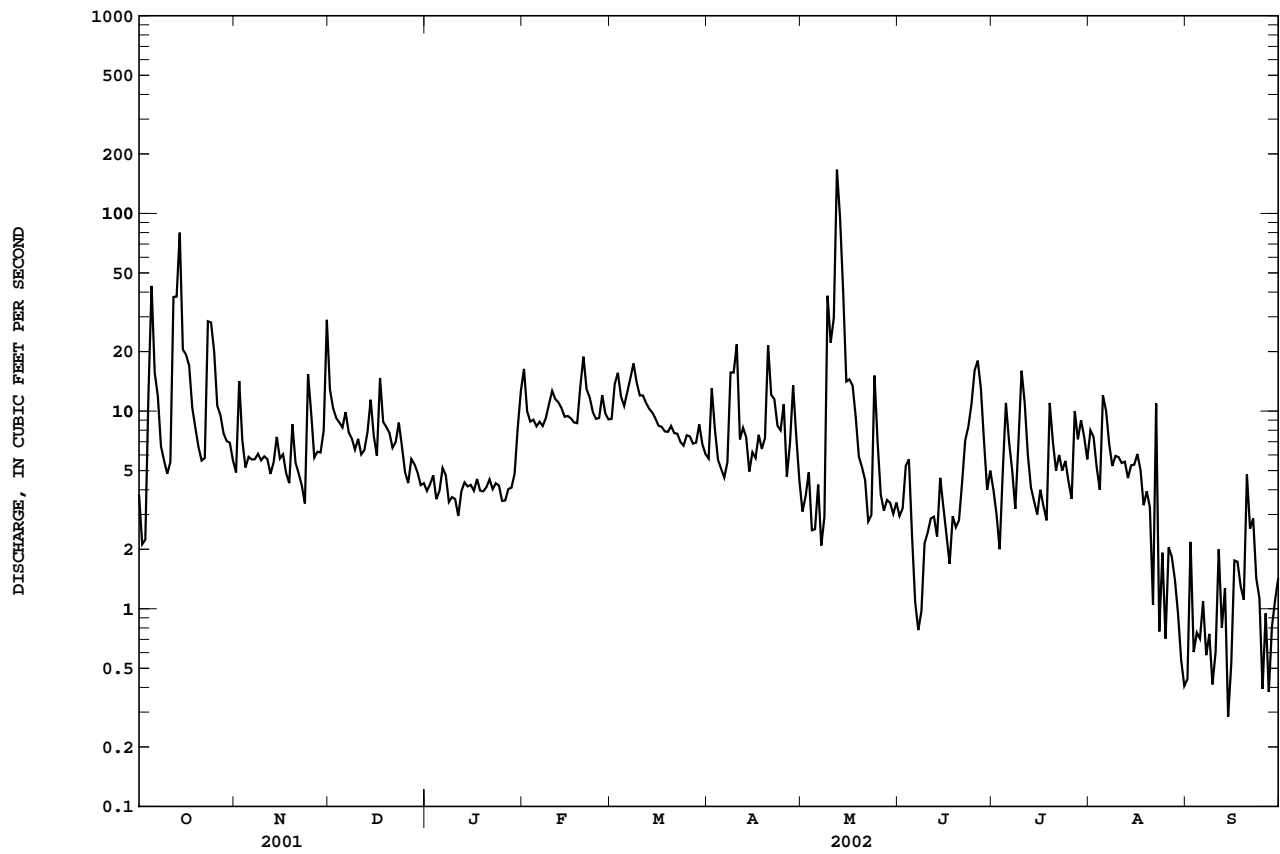
FOR 2002 WATER YEAR

WATER YEARS 1991 - 2002

ANNUAL TOTAL	4541.06	2996.22		
ANNUAL MEAN	12.44	8.209		38.49
HIGHEST ANNUAL MEAN				76.2
LOWEST ANNUAL MEAN				11.8
HIGHEST DAILY MEAN				
LOWEST DAILY MEAN	80	Oct 14	166	May 12
ANNUAL SEVEN-DAY MINIMUM	0.96	Sep 15	0.28	Sep 14
MAXIMUM PEAK FLOW	2.5	Sep 11	0.70	Sep 3
MAXIMUM PEAK STAGE			188	May 12
10 PERCENT EXCEEDS			6.10	May 12
50 PERCENT EXCEEDS	22			78
90 PERCENT EXCEEDS	10			31
	5.0			8.6

e Estimated

05536357 GRAND CALUMET RIVER AT HOHMAN AVE AT HAMMOND, IN--Continued



DISCHARGE AT MISCELLANEOUS SITES

473

Special study and miscellaneous sites

STREAMS TRIBUTARY TO OHIO RIVER BASIN

Wabash River basin

Streamflow was measured at the Westfield Sewage Treatment Plant. Measurements were made to check the discharge rating curve developed at the request of the Westfield Sewage Treatment Plant. They were collected in cooperation with the City of Westfield Utilities.

Stream	Tributary to	Location	Measurement date	Discharge (ft ³ /s)
Cool Creek	White River	Lat 40°02'20"N, long 86°06'57"W, at the Sewage Treatment Plant , on E 171 St southeast of Westfield, Washington Township Hamilton County, IN. Drainage area 7.23mi ²	06-27-02 06-27-02	228 207

Streamflow was measured near the Public Service Indiana's Cayuga power plant coolant water pumping station. Measurements were made to determine discharge at this non-continuous gaging site. They were collected in cooperation with the Public Service Indiana, through the Indiana Department of Natural Resources.

Stream	Location	Measurement date	Discharge (ft ³ /s)
Wabash River	Lat 39°55'34"N, long 87°25'34"W, at the Public Service Indiana's Cayuga power plant southeast of Cayuga, Vermillion County, IN. Drainage area 10,004mi ²	08-06-02 08-13-02	2820 1900