



Base from U.S. Geological Survey 1:100,000 digital data; modified by Wisconsin Department of Natural Resources. Wisconsin Transverse Mercator projection.

ILLINOIS RIVER BASIN

05527800 DES PLAINES RIVER AT RUSSELL, IL

LOCATION.--Lat 42°29'21", long 87°55'35", in SE 1/4 sec.3, T.46 N., R.11 E., Lake County, Hydrologic Unit 07120004, on right bank at upstream side of Russell Road bridge, 0.3 mi west of Russell, 7.2 mi upstream from Mill Creek, and at mile 109.3.

DRAINAGE AREA.--123 mi².

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1961-63, and annual maximum, water years 1962-66. June 1967 to current year.

REVISED RECORDS.--WDR IL-75-1: Drainage area. WDR IL-76-1: 1960-68(M), 1973(M).

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 662.00 ft above NGVD of 1929. Oct. 17, 1961, to June 29, 1967, crest-stage gage at left downstream side of bridge at datum 4.29 ft higher.

REMARKS.--Records good except those estimated daily discharges, which are poor (see page 11). Recording rain gage and gage-height telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.13	1.7	22	e44	e7.8	195	328	60	679	130	11	9.6
2	0.13	6.4	18	e43	e7.8	224	311	55	622	86	9.0	6.5
3	0.15	54	16	e41	e8.0	241	289	49	508	65	9.0	4.8
4	0.16	87	14	e38	e8.4	253	261	45	418	136	21	3.6
5	0.15	112	15	e37	e8.6	353	234	39	357	223	32	3.1
6	0.15	117	16	e36	e8.8	483	206	35	313	290	31	2.6
7	0.15	100	16	e34	e8.6	573	174	31	270	357	20	1.9
8	0.13	72	16	e32	e8.4	630	139	29	233	387	14	1.6
9	0.11	50	16	e30	e8.2	661	106	36	196	360	12	1.4
10	0.09	36	89	e29	e7.8	640	84	64	191	316	9.3	1.1
11	0.08	28	191	e29	e7.6	568	72	107	274	265	8.0	1.1
12	0.07	23	218	e28	e7.6	463	64	154	334	216	7.2	1.1
13	0.18	20	224	e27	e7.8	387	58	213	369	151	6.5	0.96
14	0.59	19	214	e25	e8.2	338	54	274	354	92	5.8	0.77
15	0.56	21	201	e23	e8.8	290	51	340	322	66	5.0	0.77
16	0.82	22	190	e21	e12	245	48	386	283	55	4.2	1.7
17	1.4	25	174	e19	e15	205	53	412	248	48	6.1	3.5
18	1.8	39	150	e17	e20	167	58	492	229	41	9.7	3.0
19	1.3	68	120	e16	e25	138	57	543	233	36	8.0	2.5
20	1.0	83	108	e16	30	120	51	540	246	31	7.6	2.2
21	0.84	85	90	e15	36	105	80	635	273	34	6.0	1.7
22	0.70	75	71	e14	45	92	100	2,020	315	44	4.6	1.2
23	0.63	65	62	e13	65	82	102	3,190	326	46	4.0	0.63
24	0.65	62	61	e12	102	91	93	3,260	332	39	4.0	0.32
25	0.77	55	62	e11	128	135	96	2,540	328	30	4.3	0.18
26	0.73	48	56	e11	148	183	99	1,850	311	24	4.6	0.10
27	0.72	43	44	e10	165	220	95	1,310	283	20	6.1	0.08
28	0.94	37	43	e9.6	176	239	88	946	250	17	17	0.03
29	1.3	32	e43	e9.0	179	306	77	712	217	15	23	0.01
30	1.5	28	e44	e8.6	---	335	66	575	179	13	18	0.03
31	1.8			e8.2	---	336	---	604	---	12	15	---
TOTAL	19.73	1,514.1	2,649	706.4	1,268.4	9,298	3,594	21,546	9493	3,645	343.0	58.08
MEAN	0.64	50.5	85.5	22.8	43.7	300	120	695	316	118	11.1	1.94
MAX	1.8	117	224	44	179	661	328	3260	679	387	32	9.6
MIN	0.07	1.7	14	8.2	7.6	82	48	29	179	12	4.0	0.01
CFSM	0.01	0.41	0.69	0.19	0.36	2.44	0.97	5.65	2.57	0.96	0.09	0.02
IN.	0.01	0.46	0.80	0.21	0.38	2.81	1.09	6.52	2.87	1.10	0.10	0.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2004, BY WATER YEAR (WY)

	MEAN	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	41.6	67.8	85.4	66.1	105	208	219	142	109	54.3	38.4	50.8
MAX	364	390	382	279	327	673	718	695	642	363	417	410
(WY)	(1987)	(1986)	(1983)	(1993)	(1974)	(1979)	(1993)	(2004)	(2000)	(1978)	(1978)	(1972)
MIN	0.06	1.60	3.06	1.46	1.19	14.9	33.4	6.15	1.90	0.78	0.23	0.060
(WY)	(1995)	(2000)	(1977)	(1977)	(2003)	(1968)	(1977)	(1977)	(1988)	(1988)	(1999)	(1994)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1967 - 2004
ANNUAL TOTAL	13,753.49	54,134.71	
	37.7	148	99.0
HIGHEST ANNUAL MEAN			
LOWEST ANNUAL MEAN			
HIGHEST DAILY MEAN	238	May 11	3,260
LOWEST DAILY MEAN	0.00	(a)	0.01
ANNUAL SEVEN-DAY MINIMUM	0.00	Sep 18	0.11
MAXIMUM PEAK FLOW			3,500
MAXIMUM PEAK STAGE			11.09
ANNUAL RUNOFF (CFSM)	0.306		0.805
ANNUAL RUNOFF (INCHES)	4.16		10.94
10 PERCENT EXCEEDS	93		271
50 PERCENT EXCEEDS	16		34
90 PERCENT EXCEEDS	0.21		2.7

(a) Several days

(b) At times in most years

(c) Estimated due to ice effect or missing record

ILLINOIS RIVER BASIN

05543830 FOX RIVER AT WAUKESHA, WI

633

LOCATION.--Lat 43°00'17", long 88°14'37", in SW 1/4 SW 1/4 sec.3, T.6 N., R.19 E., Waukesha County, Hydrologic Unit 07120006, on left bank 40 ft downstream from Prairie Street bridge in Waukesha, 1.0 mi downstream from dam and 3.2 mi downstream from Pewaukee River.

DRAINAGE AREA.--126 mi².

PERIOD OF RECORD.--January 1963 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 793.04 ft above NGVD of 1929 (levels by City of Waukesha).

REMARKS.--Records good except those for estimated daily discharges, which are fair (see page 11). There is occasional regulation from mill dam 1.0 mi upstream. Gage-height telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	29	55	61	e34	140	244	105	534	129	31	32
2	21	96	50	65	e34	186	212	98	472	117	31	36
3	24	177	50	66	e33	182	181	93	402	109	139	39
4	23	220	49	66	e33	189	154	87	357	145	230	37
5	23	222	48	e56	e33	351	132	86	315	143	168	36
6	21	180	46	e55	e33	391	115	86	273	128	92	34
7	20	132	44	e54	e33	343	107	89	239	145	68	33
8	18	105	46	e52	e33	300	102	97	208	125	56	30
9	18	89	65	e51	e33	266	94	149	183	105	55	24
10	20	81	217	51	e33	233	80	173	222	94	60	26
11	20	79	254	51	e33	204	71	270	355	84	49	27
12	20	75	159	57	e33	162	70	296	388	99	46	26
13	23	71	136	58	e33	138	71	487	361	91	42	29
14	39	62	115	54	e33	137	70	722	379	76	37	24
15	33	58	101	47	e33	129	69	832	415	68	34	24
16	26	53	99	50	e33	116	62	795	376	62	33	27
17	22	56	93	e44	e33	112	83	678	412	56	33	31
18	19	103	88	e40	e34	113	86	614	382	51	39	38
19	18	107	82	e37	35	114	86	536	320	45	39	37
20	19	88	63	e39	39	119	120	460	266	43	38	34
21	22	80	70	e40	41	120	279	553	257	42	34	29
22	22	69	69	e40	43	113	301	886	263	47	33	24
23	22	72	69	e40	53	110	249	1,150	233	50	34	23
24	39	81	60	e37	63	112	226	1,270	221	39	34	24
25	52	73	57	e36	64	108	218	1,100	213	37	30	23
26	41	68	57	e35	69	198	200	853	186	37	32	24
27	32	66	58	e35	80	219	174	679	168	36	61	26
28	32	64	83	e35	87	237	147	549	162	31	68	28
29	33	58	87	e34	98	316	128	463	151	37	71	26
30	29	54	80	e34	---	321	114	484	141	37	50	22
31	27	---	71	e34	---	279	---	565	---	33	38	---
TOTAL	799	2,768	2,621	1,454	1,269	6,058	4,245	15,305	8,854	2,341	1,805	873
MEAN	25.8	92.3	84.5	46.9	43.8	195	142	494	295	75.5	58.2	29.1
MAX	52	222	254	66	98	391	301	1,270	534	145	230	39
MIN	18	29	44	34	33	108	62	86	141	31	30	22
CFSM	0.20	0.73	0.67	0.37	0.35	1.55	1.12	3.92	2.34	0.60	0.46	0.23
IN.	0.24	0.82	0.77	0.43	0.37	1.79	1.25	4.52	2.61	0.69	0.53	0.26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2004, BY WATER YEAR (WY)

	74.8	81.8	80.7	64.9	95.1	186	206	144	109	80.3	66.0	75.7
MEAN	74.8	81.8	80.7	64.9	95.1	186	206	144	109	80.3	66.0	75.7
MAX	346	303	207	188	247	451	598	494	370	271	217	385
(WY)	(1987)	(1986)	(1992)	(1973)	(2001)	(1974)	(1993)	(2004)	(1996)	(1993)	(1998)	(1986)
MIN	6.44	8.14	4.80	6.35	6.26	22.5	53.4	26.6	19.0	9.33	8.23	6.44
(WY)	(1964)	(1964)	(1964)	(1964)	(1964)	(1968)	(1963)	(1977)	(1964)	(1963)	(1963)	(1963)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1963 - 2004

ANNUAL TOTAL	23,318	48,392	
ANNUAL MEAN	63.9	132	107
HIGHEST ANNUAL MEAN			193
LOWEST ANNUAL MEAN			31.6
HIGHEST DAILY MEAN	418	May 12	2,160
LOWEST DAILY MEAN	(a)18	Aug 24, 31	(c)3.2
ANNUAL SEVEN-DAY MINIMUM	19	Aug 27	(c)3.3
MAXIMUM PEAK FLOW			2,260
MAXIMUM PEAK STAGE			7.42
ANNUAL RUNOFF (CFSM)	0.507		0.848
ANNUAL RUNOFF (INCHES)	6.88		11.53
10 PERCENT EXCEEDS	122		236
50 PERCENT EXCEEDS	44		67
90 PERCENT EXCEEDS	22		21

(a) Also occurred Oct. 8, 9 and 19

(b) Also occurred Oct. 19

(c) Ice affected

(d) Also occurred Jan. 1, 1964

(e) Estimated due to ice effect or missing record

ILLINOIS RIVER BASIN

634

05544200 MUKWONAGO RIVER AT MUKWONAGO, WI

LOCATION.--Lat 42°51'24", long 88°19'40", in NE ¼ NE ¼ sec.35, T.5 N., R.18 E., Waukesha County, Hydrologic Unit 07120006, on left bank 100 ft upstream from bridge on State Highway 83 in Mukwonago, 100 ft downstream from railroad bridge, and 800 ft downstream from dam.

DRAINAGE AREA.--74.1 mi².

PERIOD OF RECORD.--June 1973 to current year.

REVISED RECORDS.--WDR WI-79-1: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 779.23 ft above NGVD of 1929 (Southeastern Wisconsin Regional Planning Commission bench mark). Prior to Oct. 19, 1981, at datum 0.85 ft higher.

REMARKS.--Records good except those for estimated daily discharges, which are fair (see page 11). Discharge affected by manipulation of gates at dams 800 ft and 11.4 mi upstream. Gage-height telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	18	24	39	24	35	67	49	135	66	34	33
2	13	35	22	50	24	49	55	38	140	66	46	26
3	13	53	23	52	26	54	49	32	109	63	54	28
4	13	81	25	48	27	56	29	32	77	62	74	32
5	13	106	26	46	27	98	20	29	61	57	76	48
6	13	106	27	e43	28	129	23	29	60	57	68	51
7	14	96	27	24	29	131	25	27	61	78	58	47
8	14	83	27	18	29	89	43	27	64	85	48	31
9	14	47	29	20	29	59	45	44	69	80	45	26
10	14	21	97	21	28	52	39	96	75	61	34	26
11	15	19	110	24	28	61	37	122	104	55	32	25
12	15	25	92	26	29	61	22	116	115	70	33	26
13	15	24	87	27	29	44	17	112	111	72	34	28
14	18	25	83	28	28	40	19	117	106	65	34	28
15	18	25	40	28	28	27	20	118	91	56	34	27
16	18	26	27	28	e28	25	22	110	81	46	33	26
17	17	29	30	29	e28	28	36	104	104	42	50	35
18	18	53	32	30	e29	31	43	99	132	43	54	30
19	17	67	34	29	e44	38	52	95	152	44	46	24
20	18	56	34	28	48	50	48	94	149	44	44	24
21	18	51	34	28	44	47	97	103	148	45	44	24
22	17	50	44	e27	41	44	102	179	141	46	42	24
23	18	60	46	27	24	42	83	231	107	47	28	25
24	20	61	44	27	20	41	71	231	96	46	23	23
25	23	28	42	27	23	43	44	224	97	43	24	20
26	23	17	32	27	26	73	32	178	97	41	26	21
27	26	19	23	28	29	95	35	98	96	39	47	25
28	40	22	30	28	30	98	37	78	88	27	55	25
29	50	23	35	e27	31	96	49	78	77	22	59	24
30	39	24	39	e27	---	71	50	81	67	29	57	24
31	23	---	40	e25	---	63	---	101	---	34	53	---
TOTAL	600	1,350	1,305	936	858	1,870	1,311	3,072	3,010	1,631	1,389	856
MEAN	19.4	45.0	42.1	30.2	29.6	60.3	43.7	99.1	100	52.6	44.8	28.5
MAX	50	106	110	52	48	131	102	231	152	85	76	51
MIN	13	17	22	18	20	25	17	27	60	22	23	20
CFSM	0.26	0.61	0.57	0.41	0.40	0.81	0.59	1.34	1.35	0.71	0.60	0.39
IN.	0.30	0.68	0.66	0.47	0.43	0.94	0.66	1.54	1.51	0.82	0.70	0.43

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2004, BY WATER YEAR (WY)

MEAN	47.4	54.9	52.6	45.1	53.3	72.5	75.0	64.4	55.0	42.2	44.4	45.0
MAX	98.7	110	83.7	77.8	83.8	151	150	155	138	80.8	83.5	88.7
(WY)	(1987)	(1986)	(1983)	(1974)	(1974)	(1974)	(1993)	(1975)	(1975)	(1993)	(1979)	(1986)
MIN	19.0	29.2	26.2	22.8	29.6	40.6	36.6	16.9	14.4	13.3	15.2	11.7
(WY)	(1998)	(1977)	(1990)	(1977)	(2004)	(2003)	(2003)	(1977)	(1988)	(1988)	(2003)	(2003)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1973 - 2004

ANNUAL TOTAL	11,780.6		18,188			
ANNUAL MEAN	32.3		49.7		54.2	
HIGHEST ANNUAL MEAN					90.3	
LOWEST ANNUAL MEAN					30.8	
HIGHEST DAILY MEAN	145	May 12	231	May 23, 24	275	Mar 6, 1974
LOWEST DAILY MEAN	8.2	Sep 7, 8	13	Oct 1-6	1.8	Dec 23, 1975
ANNUAL SEVEN-DAY MINIMUM	8.3	Sep 5	13	Oct 1	6.8	Oct 31, 1988
MAXIMUM PEAK FLOW			240	May 23	(a)300	Mar 5, 1976
MAXIMUM PEAK STAGE			3.58	May 23	3.58	May 23, 2004
ANNUAL RUNOFF (CFSM)	0.436		0.671		0.731	
ANNUAL RUNOFF (INCHES)	5.91		9.13		9.93	
10 PERCENT EXCEEDS	59		98		99	
50 PERCENT EXCEEDS	26		38		46	
90 PERCENT EXCEEDS	14		21		21	

(a) Gage height, 2.50 ft, datum then in use

(e) Estimated due to ice effect or missing record

ILLINOIS RIVER BASIN

05544385 MUSKEGO (BIG MUSKEGO) LAKE OUTLET NEAR WIND LAKE, WI

635

LOCATION.--Lat 42°51'09", long 88°07'50", in SE 1/4 NE 1/4 sec.33, T.5 N., R.20 E., Waukesha County, Hydrologic Unit 07120006, on right bank at dam outlet of Muskego Lake, 700 ft north of Muskego Dam Drive, 2 mi northeast of Wind Lake.

DRAINAGE AREA.--33.9 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1987 to September 1989, October 1995 to current year. Prior to October 1996, published under station number 425109088075000. Prior to October 2000 published as "Muskego Lake Outlet near Wind Lake".

GAGE.--Water-stage recorder. Datum of gage is 760.00 ft above National Geodetic Vertical Datum of 1929. Prior to Dec. 18, 1987, nonrecording gage at same site and datum, October 1989 to September 1995, nonrecording gage at same datum.

REMARKS.--Flows for the water year were based on upstream-stage/downstream-stage-discharge ratings for flow through the variably-opened gate or upstream-stage-discharge rating for the dam crest or combination of gate and crest overflow. Records fair except for estimated daily discharges, which are poor (see page 11).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	3.5	4.2	10	9.8	13	24	e5.7	110	12	0.00	0.00
2	3.3	3.5	4.5	10	9.9	18	21	e5.7	113	12	0.00	0.00
3	3.2	3.6	4.5	11	11	21	27	e5.7	101	12	0.00	0.00
4	3.3	3.5	4.8	11	10	24	15	e5.7	87	12	0.00	0.00
5	3.3	3.6	5.1	11	10	71	8.9	e5.7	76	14	0.00	0.00
6	3.3	3.6	5.0	10	11	85	8.2	e5.7	69	13	0.00	0.00
7	3.3	3.6	5.2	9.7	10	83	49	5.3	49	17	0.00	0.00
8	3.3	3.6	5.4	9.7	10	79	72	5.1	32	39	0.00	0.00
9	3.3	3.6	6.8	9.7	9.7	74	70	5.1	39	65	0.00	0.00
10	3.3	3.6	24	9.6	8.8	61	69	5.1	40	66	0.00	0.00
11	3.3	3.6	19	9.6	8.7	56	68	5.2	41	65	0.00	0.00
12	3.3	3.6	19	8.8	8.1	55	51	5.1	41	65	0.00	0.00
13	3.3	3.6	19	8.7	7.9	49	39	5.2	39	63	0.00	0.00
14	3.3	3.6	18	8.8	7.4	43	38	14	39	63	0.00	0.00
15	3.3	3.6	17	8.8	7.0	47	37	25	36	47	0.00	0.00
16	3.3	3.6	17	8.8	6.5	57	27	26	39	17	0.00	0.00
17	3.3	3.6	16	9.5	6.5	52	22	33	40	4.9	0.00	0.00
18	3.3	3.8	15	9.4	6.3	40	21	44	39	4.8	0.00	0.00
19	3.3	3.9	13	8.9	6.3	39	14	43	39	4.8	0.00	0.00
20	3.2	3.8	12	8.8	6.6	39	5.6	42	37	4.8	0.00	0.00
21	3.3	6.7	12	8.9	7.1	39	5.5	48	37	11	0.00	0.00
22	3.3	6.0	12	8.9	6.9	17	5.8	80	36	15	0.00	0.00
23	3.3	3.8	11	9.7	7.5	0.00	5.7	132	38	15	0.00	0.00
24	3.3	3.6	10	10	8.1	0.00	5.9	163	38	14	0.00	0.00
25	3.4	4.2	9.9	10	8.0	0.00	5.8	167	38	14	0.00	0.00
26	3.4	4.5	9.6	10	8.1	2.0	e5.6	160	38	14	0.00	0.00
27	3.4	4.9	9.5	11	8.7	3.6	e5.6	147	37	14	0.00	0.00
28	3.4	5.2	11	10	9.1	2.9	e5.6	136	37	4.6	0.00	0.00
29	3.4	4.5	12	10	10	15	e5.6	119	37	0.00	0.00	0.00
30	3.4	4.5	11	10	---	35	e5.7	116	22	0.00	0.00	0.00
31	3.4	---	11	10	---	30	---	116	---	0.00	0.00	---
TOTAL	102.8	120.3	353.5	300.3	245.0	1,150.50	743.5	1,681.3	1,464	702.90	0.00	0.00
MEAN	3.32	4.01	11.4	9.69	8.45	37.1	24.8	54.2	48.8	22.7	0.00	0.00
MAX	3.4	6.7	24	11	11	85	72	167	113	66	0.00	0.00
MIN	3.2	3.5	4.2	8.7	6.3	0.00	5.5	5.1	22	0.00	0.00	0.00
CFSM	0.10	0.12	0.34	0.29	0.25	1.09	0.73	1.60	1.44	0.67	0.00	0.00
IN.	0.11	0.13	0.39	0.33	0.27	1.26	0.82	1.84	1.61	0.77	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004, BY WATER YEAR (WY)

MEAN	14.7	12.2	12.4	16.4	33.9	26.1	28.8	27.4	29.2	9.44	3.67	6.47
MAX	44.2	45.6	44.2	43.9	88.6	51.8	55.6	69.7	69.7	39.6	14.8	32.0
(WY)	(1996)	(1996)	(1988)	(1988)	(2001)	(2001)	(1999)	(2000)	(1999)	(2000)	(1998)	(2000)
MIN	0.00	0.00	0.46	0.51	0.00	3.57	0.00	0.01	0.00	0.00	0.00	0.00
(WY)	(1989)	(2000)	(2001)	(2003)	(2003)	(2003)	(1997)	(1997)	(1989)	(1988)	(1988)	(1988)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1988 - 2004

ANNUAL TOTAL	2,401.00	6,864.10	
ANNUAL MEAN	6.58	18.8	18.3
HIGHEST ANNUAL MEAN			28.3
LOWEST ANNUAL MEAN			6.25
HIGHEST DAILY MEAN	72	May 12	198
LOWEST DAILY MEAN	0.00	many days	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	many periods	0.00
ANNUAL RUNOFF (CFSM)	0.194	0.553	0.541
ANNUAL RUNOFF (INCHES)	2.63	7.53	7.35
10 PERCENT EXCEEDS	13	51	53
50 PERCENT EXCEEDS	3.3	8.1	7.2
90 PERCENT EXCEEDS	0.00	0.00	0.00

(e) Estimated due to ice effect or missing record

423525088260400 GENEVA LAKE AT LAKE GENEVA, WI

LOCATION.--Lat 42°35'25", long 88°26'04" in SE ¼ NW ¼ sec.36, T.2 N., R.17 E., Walworth County, Hydrologic Unit 07120006, at Geneva Lake dam at Center Street at Lake Geneva.

DRAINAGE AREA.--28.7 mi². Area of Lake Geneva, 5,262 acres.

PERIOD OF RECORD.--October 1997 to August 2002, December 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is 862.08 ft above NGVD of 1929. Intermittent staff-gage readings October to March.

REMARKS.--Gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 3.29 ft, June 13, 2000; minimum gage height, 1.50 ft, Oct. 11, 2003 (affected by wind).

EXTREMES FOR CURRENT YEAR.--Maximum gage height observed, 3.28 ft, May 22; minimum gage height, 1.50 ft, Oct. 11 (affected by wind).

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.75	1.67	1.99	2.19	---	2.46	2.56	2.51	2.92	2.59	2.36	2.27
2	1.73	1.77	1.97	2.20	---	2.48	2.55	2.50	2.87	2.56	2.35	2.27
3	1.74	1.87	1.96	2.21	---	2.48	2.54	2.49	2.83	2.56	2.34	2.27
4	1.71	1.96	1.95	2.20	e2.27	2.49	2.53	2.50	2.80	2.62	2.39	2.27
5	1.70	2.02	1.97	2.22	---	2.62	2.52	2.48	2.77	2.59	2.37	2.28
6	1.69	2.02	1.97	---	---	2.60	2.52	2.48	2.75	2.60	2.36	2.29
7	1.69	2.01	1.97	---	---	2.59	2.51	2.45	2.74	2.58	2.35	2.26
8	1.70	1.98	1.97	---	---	2.56	2.51	2.48	2.73	2.55	2.34	2.23
9	1.69	1.98	1.98	---	---	2.53	2.50	2.50	2.71	2.53	2.34	2.22
10	1.69	1.98	2.15	---	---	2.51	2.49	2.51	2.71	2.54	2.32	2.22
11	1.70	1.98	2.19	---	---	2.50	2.48	2.51	2.74	2.54	2.29	2.21
12	1.71	2.01	2.18	---	---	2.47	2.47	2.54	2.78	2.54	2.26	2.21
13	1.70	1.97	2.17	---	---	2.44	2.46	2.71	2.78	2.54	2.24	2.21
14	1.74	1.96	2.18	---	---	2.46	2.46	2.79	2.76	2.52	2.23	2.20
15	1.74	1.94	2.19	---	---	2.42	2.46	2.81	2.74	2.51	2.23	2.22
16	1.72	1.94	2.21	---	---	2.40	2.46	2.79	2.71	2.50	2.23	2.20
17	1.71	1.94	2.19	---	---	2.40	2.47	2.78	2.75	2.47	2.22	2.17
18	1.71	2.02	2.18	---	---	2.39	2.50	2.84	2.76	2.47	2.23	2.16
19	1.69	2.05	2.18	---	---	2.38	2.51	2.81	2.71	2.47	2.21	2.16
20	1.71	2.05	2.18	---	---	2.38	2.48	2.81	2.69	2.46	2.19	2.15
21	1.69	2.02	2.19	---	---	2.35	2.56	2.85	2.70	2.47	2.18	2.14
22	1.68	2.02	2.17	---	---	2.34	2.53	3.01	2.73	2.49	2.19	2.12
23	1.67	2.07	2.17	---	---	2.32	2.53	3.06	2.71	2.46	2.16	2.12
24	1.67	2.09	2.17	---	---	2.36	2.51	3.04	2.71	2.44	2.17	2.11
25	1.70	2.04	2.17	---	e2.42	2.38	2.55	2.99	2.70	2.42	2.21	2.08
26	1.70	2.01	2.16	---	---	2.48	2.55	2.95	2.68	2.41	2.22	2.08
27	1.68	2.01	2.16	---	2.42	2.49	2.53	2.91	2.65	2.40	2.24	2.07
28	1.70	2.02	2.20	e2.28	2.42	2.53	2.54	2.85	2.64	2.39	2.25	2.04
29	1.67	2.02	2.21	---	2.45	2.58	2.53	2.82	2.62	2.38	2.28	2.03
30	1.67	2.00	2.21	---	---	2.57	2.50	2.87	2.61	2.37	2.28	2.02
31	1.68	---	2.21	---	---	2.57	---	2.95	---	2.36	2.27	---
MEAN	1.70	1.98	2.12	2.22	2.40	2.47	2.51	2.73	2.73	2.49	2.27	2.18
MAX	1.75	2.09	2.21	2.28	2.45	2.62	2.56	3.06	2.92	2.62	2.39	2.29
MIN	1.67	1.67	1.95	2.19	2.27	2.32	2.46	2.45	2.61	2.36	2.16	2.02

(e) Estimated due to ice effect or missing record

ILLINOIS RIVER BASIN

055451345 WHITE RIVER AT CENTER STREET AT LAKE GENEVA, WI

LOCATION.--Lat 42°35'26", long 88°26'01", in SE 1/4 NW 1/4 sec.36, T.2 N., R.17 E., Walworth County, Hydrologic Unit 07120006, on left bank at downstream end of Center Street culvert crossing at Lake Geneva.

DRAINAGE AREA.--28.7 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1997 to August 12, 2002, December 24, 2002 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 848.22 ft above NGVD of 1929.

REMARKS.--Records fair except those for estimated daily discharges, which are poor (see page 11). Gage-height telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.06	0.08	0.02	0.06	e0.02	14	35	27	133	35	2.1	0.05
2	0.06	0.15	0.02	0.21	e0.02	17	34	25	99	29	2.0	0.05
3	0.06	0.10	0.02	0.03	e0.02	17	33	23	83	29	2.5	0.04
4	0.05	0.20	0.02	e0.02	e0.02	20	30	26	73	44	5.8	0.04
5	0.05	0.04	0.03	e0.02	e0.02	49	29	22	68	34	2.8	0.04
6	0.05	0.04	0.02	e0.02	e0.02	52	29	21	67	35	1.4	0.06
7	0.05	0.04	0.03	e0.02	e0.02	53	27	15	67	29	0.75	0.03
8	0.05	0.04	0.03	e0.02	e0.02	53	25	19	65	23	0.37	0.04
9	0.05	0.05	0.12	e0.02	e0.02	55	24	22	62	19	0.52	0.04
10	0.06	0.06	0.16	e0.02	e0.02	53	23	26	63	18	0.18	0.04
11	0.06	0.06	0.03	e0.03	e0.02	49	20	26	68	18	0.08	0.04
12	0.06	0.05	0.03	e0.03	e0.02	43	18	30	77	23	0.09	0.05
13	0.06	0.04	0.03	e0.02	e0.02	41	17	55	76	25	0.10	0.04
14	0.12	0.04	0.03	e0.02	e0.02	43	17	62	71	22	0.11	0.04
15	0.06	0.04	0.03	e0.02	e0.02	39	17	63	63	19	0.12	0.05
16	0.05	0.03	0.04	e0.02	e0.02	40	17	63	60	18	0.15	0.03
17	0.05	0.09	0.04	e0.02	e0.02	41	19	64	71	13	0.18	0.03
18	0.05	0.03	0.04	e0.02	e0.03	40	25	77	72	11	0.14	0.03
19	0.05	0.02	0.04	e0.02	e0.06	40	27	67	61	13	0.17	0.04
20	0.05	0.02	0.03	e0.02	0.13	41	22	71	58	11	0.18	0.04
21	0.05	0.02	0.03	e0.02	0.84	41	35	83	62	14	0.20	0.03
22	0.05	0.02	0.04	e0.02	3.8	41	30	173	66	17	0.19	0.04
23	0.05	0.05	0.04	e0.02	6.9	41	29	244	61	12	0.20	0.04
24	0.08	0.02	0.04	e0.02	7.5	41	25	201	63	8.6	0.31	0.04
25	0.05	0.02	0.04	e0.02	7.7	27	34	142	60	5.2	0.12	0.04
26	0.05	0.02	0.04	e0.02	8.3	21	33	114	56	4.4	0.11	0.04
27	0.05	0.02	0.05	e0.02	9.0	22	27	101	52	3.9	0.22	0.04
28	0.06	0.02	0.07	e0.02	9.4	29	31	87	49	3.7	0.16	0.04
29	0.05	0.02	0.05	e0.02	9.9	37	32	79	45	3.0	0.04	0.04
30	0.05	0.02	0.05	e0.02	---	37	25	106	40	3.2	0.05	0.04
31	0.05	---	0.06	e0.02	---	36	---	164	---	2.4	0.05	---
TOTAL	1.74	1.45	1.32	0.88	63.90	1,173	789	2,298	2,011	545.4	21.39	1.21
MEAN	0.06	0.05	0.04	0.03	2.20	37.8	26.3	74.1	67.0	17.6	0.69	0.04
MAX	0.12	0.20	0.16	0.21	9.9	55	35	244	133	44	5.8	0.06
MIN	0.05	0.02	0.02	0.02	0.02	14	17	15	40	2.4	0.04	0.03
CFSM	0.00	0.00	0.00	0.00	0.08	1.32	0.92	2.58	2.34	0.61	0.02	0.00
IN.	0.00	0.00	0.00	0.00	0.08	1.52	1.02	2.98	2.61	0.71	0.03	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

MEAN	5.01	6.59	16.4	24.4	31.0	23.5	29.5	56.2	74.4	21.0	3.84	5.91
MAX	18.9	21.3	36.6	50.7	64.2	61.8	47.6	79.8	127	51.0	10.8	26.4
(WY)	(2002)	(2002)	(2002)	(2001)	(1999)	(2001)	(2002)	(1999)	(1999)	(2000)	(2001)	(2001)
MIN	0.06	0.05	0.04	0.03	0.57	0.58	9.50	32.7	19.1	5.44	0.40	0.04
(WY)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)	(2003)	(2001)	(2003)	(2002)	(1998)	(2004)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1998 - 2004

ANNUAL TOTAL	2,999.33	6,908.29	
ANNUAL MEAN	8.22	18.9	27.8
HIGHEST ANNUAL MEAN			34.5
LOWEST ANNUAL MEAN			18.9
HIGHEST DAILY MEAN	75	May 11	342
LOWEST DAILY MEAN	0.02	(b)Nov 19	0.02
ANNUAL SEVEN-DAY MINIMUM	0.02	Nov 24	(e)0.02
MAXIMUM PEAK FLOW		336	561
MAXIMUM PEAK STAGE		10.35	11.60
ANNUAL RUNOFF (CFSM)	0.286	0.658	0.969
ANNUAL RUNOFF (INCHES)	3.89	8.95	13.17
10 PERCENT EXCEEDS	32	62	68
50 PERCENT EXCEEDS	0.56	0.16	15
90 PERCENT EXCEEDS	0.04	0.02	0.08

(a) Also occurred Aug. 12, 21, 1998

(b) Also occurred Nov. 20-22, 24-30, Dec. 1-4, 6, 2003

(c) Estimated due to ice effect or missing record

055451345 WHITE RIVER AT CENTER STREET AT LAKE GENEVA, WI--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1997 to September 1999, October 2000 to August 2002, December 2002 to September 2004.

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: October 1997 to September 1999.

TOTAL-PHOSPHORUS DISCHARGE: October 1997 to September 1999, October 2000 to August 2002, December 2002 to September 2004.

REMARKS.--Records fair. Samples collected by Geneva Lake Environmental Agency using equal-width increment (EWI) method unless otherwise noted.

EXTREMES FOR PERIOD OF RECORD.--

SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum observed, 16 mg/L, APR. 26, 1999; minimum observed, 1 mg/L, on several days.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 3.0 ton, APR. 26, 1999; minimum daily, 0.0 ton, on many days in 1998 and 1999 water years.

TOTAL-PHOSPHORUS CONCENTRATIONS: Maximum observed, 0.40 mg/L, Sept. 8; minimum observed, <0.005 mg/L, Jan. 6 and Feb. 12, 1998, and May 19, 2003.

TOTAL-PHOSPHORUS DISCHARGE: Maximum daily, 8.86 lb, June 13, 2001; minimum daily, 0.00 lb, on several days in 1998 and 1999 water years, and many days in 2002 and 2004 water years.

EXTREMES FOR CURRENT YEAR.--

TOTAL-PHOSPHORUS CONCENTRATIONS: Maximum observed, 0.126 mg/L, Aug. 25; minimum observed, <0.009 mg/L, May 10 and June 4.

TOTAL-PHOSPHORUS DISCHARGE: Maximum daily, 14.3 lb, May 23; minimum daily, 0.00 lb, on many days.

PHOSPHORUS, WATER, UNFILTERED, POUNDS PER DAY
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.02	0.03	0.00	0.02	e0.00	1.25	1.96	1.41	6.80	2.77	0.16	0.00
2	0.02	0.06	0.00	0.07	e0.00	1.51	1.85	1.27	4.97	2.34	0.16	0.00
3	0.02	0.04	0.00	0.01	e0.00	1.45	1.78	1.18	4.09	2.37	0.19	0.00
4	0.02	0.07	0.00	e0.00	e0.00	1.68	1.63	1.31	3.58	3.57	0.43	0.00
5	0.02	0.02	0.01	e0.00	e0.00	3.98	1.55	1.10	3.33	2.77	0.21	0.00
6	0.02	0.02	0.00	e0.00	e0.00	3.93	1.56	1.06	3.33	2.82	0.10	0.00
7	0.02	0.02	0.01	e0.00	e0.00	3.75	1.43	0.76	3.36	2.32	0.06	0.00
8	0.02	0.02	0.01	e0.00	e0.00	3.49	1.36	0.94	3.26	1.84	0.03	0.00
9	0.02	0.02	0.05	e0.00	e0.00	3.57	1.29	1.10	3.14	1.50	0.04	0.00
10	0.02	0.02	0.06	e0.00	e0.00	3.49	1.22	1.26	3.21	1.45	0.01	0.00
11	0.02	0.02	0.01	e0.00	e0.00	3.23	1.07	1.30	3.48	1.47	0.00	0.00
12	0.02	0.02	0.01	e0.00	e0.00	2.86	0.96	1.52	3.97	1.87	0.00	0.00
13	0.02	0.02	0.00	e0.00	e0.00	2.74	0.92	2.77	3.94	2.00	0.00	0.00
14	0.04	0.01	0.01	e0.00	e0.00	2.88	0.89	3.19	3.73	1.80	0.00	0.00
15	0.02	0.01	0.01	e0.00	e0.00	2.68	0.91	3.31	3.33	1.54	0.00	0.00
16	0.02	0.01	0.02	e0.00	e0.00	2.73	0.93	3.33	3.20	1.42	0.01	0.00
17	0.02	0.04	0.01	e0.00	e0.00	2.81	1.01	3.45	3.80	1.03	0.01	0.00
18	0.02	0.01	0.02	e0.00	e0.00	2.81	1.37	4.19	3.90	0.92	0.00	0.00
19	0.02	0.00	0.01	e0.00	e0.00	2.83	1.47	3.70	3.39	1.02	0.01	0.00
20	0.02	0.00	0.01	e0.00	0.01	2.83	1.19	3.97	3.33	0.91	0.01	0.00
21	0.02	0.00	0.01	e0.00	0.09	2.78	1.88	4.75	3.67	1.12	0.01	0.00
22	0.02	0.00	0.01	e0.00	0.40	2.73	1.63	9.98	4.00	1.31	0.01	0.00
23	0.02	0.02	0.02	e0.00	0.71	2.67	1.57	14.3	3.82	0.94	0.01	0.00
24	0.03	0.00	0.02	e0.00	0.76	2.62	1.37	11.9	4.05	0.68	0.02	0.00
25	0.02	0.00	0.02	e0.00	0.76	1.72	1.79	8.25	3.95	0.40	0.00	0.00
26	0.02	0.00	0.02	e0.00	0.80	1.28	1.75	6.53	3.79	0.34	0.00	0.00
27	0.02	0.00	0.02	e0.00	0.85	1.35	1.44	5.69	3.64	0.31	0.01	0.00
28	0.02	0.00	0.03	e0.00	0.87	1.75	1.63	4.81	3.51	0.29	0.01	0.00
29	0.02	0.00	0.02	e0.00	0.90	2.18	1.65	4.26	3.34	0.23	0.00	0.00
30	0.02	0.00	0.02	e0.00	---	2.11	1.31	5.61	3.07	0.25	0.00	0.00
31	0.02	---	0.02	e0.00	---	2.03	---	8.59	---	0.19	0.00	---
TOTAL	0.65	0.48	0.46	0.10	6.15	79.72	42.37	126.79	111.98	43.79	1.50	0.00
WTR YR	2004	TOTAL	413.99									

e Estimated

055451345 WHITE RIVER AT CENTER STREET AT LAKE GENEVA, WI--CONTINUED—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Phosphorus, water, unfltrd mg/L (00665)	Date	Time	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Phosphorus, water, unfltrd mg/L (00665)
OCT					MAY				
01...	1400	.06	70	.058	10...	1103	28	10	.009
NOV					24...	1042	196	10	.011
17...	1150	.03	70	.074	JUN				
DEC					04...	1027	75	10	.009
19...	1050	.04	70	.070	18...	1029	66	10	.010
JAN					JUL				
28...	1000	.08	70	.050	02...	1150	32	10	.015
MAR					16...	1200	17	10	.015
05...	1447	66	10	.013	AUG				
08...	1250	56	10	.012	04...	1230	4.0	10	.014
19...	1600	39	10	.013	25...	1200	.11	10	.126
APR									
02...	1445	36	10	.010					
23...	1425	34	10	.010					

05545750 FOX RIVER NEAR NEW MUNSTER, WI

LOCATION.--Lat 42°36'39", long 88°13'33", in NW ¼ NW ¼ sec.26, T.2 N., R.19 E., Kenosha County, Hydrologic Unit 07120006, on right bank 40 ft downstream from bridge on County Trunk Highway JB, 2.2 mi north of New Munster, and 17.0 mi upstream from Fox Chain of Lakes.

DRAINAGE AREA.--811 mi².

PERIOD OF RECORD.--October 1939 to current year. Prior to October 1993, published as "at Wilmot" under station number 05546500.

REVISED RECORDS.--WSP 1308: 1943(M), 1945(M). WDR WI-67-1: Drainage area. WDR WI-92-1: 1991.

GAGE.--Water-stage recorder. Datum of gage is 735.72 ft above NGVD of 1929 (Racine County Surveyor bench mark). Prior to Sept. 2 1965, nonrecording gage at bridge 400 ft above dam in Wilmot 11 mi downstream at datum 0.50 ft lower, and Sept. 2 1965 to Sept. 30, 1993, recording gage 100 ft downstream from bridge at the lower datum. Removal of dam due to damage was completed by Sept. 15, 1992.

REMARKS.--Records good except those for estimated daily discharges, which are fair (see page 11). Gage-height telemeter and data-collection platform at station. Occasional regulation from several dams upstream from gage.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	99	167	282	412	e180	e470	1,250	715	3,020	958	268	342
2	115	268	236	378	e180	e560	1,100	582	2,900	858	263	270
3	106	438	257	313	e180	e680	978	446	2,700	650	256	246
4	105	701	254	e300	e180	e740	906	318	2,460	779	401	231
5	100	785	260	e290	e180	1,260	811	356	2,150	945	525	232
6	99	741	259	e260	e180	1,760	654	339	1,820	835	435	225
7	100	612	256	e240	e180	1,750	536	410	1,650	726	491	227
8	118	563	250	e240	e170	1,630	639	367	1,450	774	490	238
9	115	486	260	e240	e170	1,490	667	560	1,420	771	431	230
10	112	422	595	e230	e170	1,340	582	1,050	1,370	825	267	205
11	91	320	1,250	e220	e170	1,190	503	1,020	1,430	751	298	175
12	104	357	890	e220	e170	1,050	502	993	1,490	691	297	197
13	109	317	752	e220	e160	899	511	1,260	1,480	718	269	205
14	144	309	691	e220	e160	804	471	2,050	1,390	636	274	184
15	152	230	644	e220	e160	726	369	2,740	1,400	633	271	179
16	110	283	710	e210	e160	710	330	2,750	1,390	541	248	188
17	147	255	665	e210	e160	676	348	2,460	1,840	430	270	197
18	125	371	510	e210	e160	558	406	2,370	2,790	432	276	177
19	120	546	453	e210	e170	570	394	2,450	2,780	416	273	177
20	119	498	446	e210	e180	641	478	2,430	2,470	398	268	176
21	104	417	505	e210	e190	621	476	2,450	2,240	422	258	175
22	132	448	418	e210	e200	607	690	3,100	2,310	447	250	169
23	119	382	399	e200	e220	558	801	4,100	2,210	429	232	170
24	105	335	423	e200	e240	515	652	4,470	2,140	391	241	165
25	158	358	403	e200	e280	578	800	4,350	2,140	353	272	158
26	157	344	e390	e200	e330	770	786	3,990	1,810	338	305	148
27	161	352	359	e200	e360	1,130	768	3,660	1,560	346	258	149
28	195	296	337	e200	e400	1,070	683	3,350	1,410	346	275	150
29	146	352	410	e190	e430	1,340	430	3,060	1,300	276	367	161
30	188	232	384	e190	---	1,520	545	2,920	1,160	292	345	147
31	181	---	391	e190	---	1,420	---	3,010	---	271	377	---
TOTAL	3,936	12,185	14,339	7,243	6,070	29,633	19,066	64,126	57,680	17,678	9,751	5,893
MEAN	127	406	463	234	209	956	636	2,069	1,923	570	315	196
MAX	195	785	1,250	412	430	1,760	1,250	4,470	3,020	958	525	342
MIN	91	167	236	190	160	470	330	318	1,160	271	232	147
CFSM	0.16	0.50	0.57	0.29	0.26	1.18	0.78	2.55	2.37	0.70	0.39	0.24
IN.	0.18	0.56	0.66	0.33	0.28	1.36	0.87	2.94	2.65	0.81	0.45	0.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2004, BY WATER YEAR (WY)

MEAN	387	476	450	420	537	1,092	1,059	737	587	393	331	341
MAX	1,931	1,536	1,755	1,818	1,386	2,434	3,591	2,078	1,923	1,382	902	1,763
(WY)	(1987)	(1986)	(1983)	(1960)	(2001)	(1979)	(1993)	(1973)	(2004)	(1969)	(1952)	(1972)
MIN	79.5	113	91.4	87.7	105	252	256	108	124	69.2	57.2	62.7
(WY)	(1957)	(1950)	(1964)	(1940)	(1940)	(1968)	(1958)	(1958)	(1988)	(1958)	(1958)	(1946)

ILLINOIS RIVER BASIN

05545750 FOX RIVER NEAR NEW MUNSTER, WI—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1940 - 2004	
ANNUAL TOTAL	112,331		247,600			
ANNUAL MEAN	308		677		567	
HIGHEST ANNUAL MEAN					1,240	1993
LOWEST ANNUAL MEAN					174	1958
HIGHEST DAILY MEAN	1,360	May 10	4,470	May 24	7,100	Apr 1, 1960
LOWEST DAILY MEAN	83	Sep 8	91	Oct 11	35	Sep 9, 1958
ANNUAL SEVEN-DAY MINIMUM	92	Sep 2	103	Oct 1	41	Sep 7, 1958
MAXIMUM PEAK FLOW			4,510	May 24	(a)7,520	Mar 31, 1960
MAXIMUM PEAK STAGE			13.73	May 24	(b)14.10	Feb 21, 1994
INSTANTANEOUS LOW FLOW			82	Oct 11, 12	0.00	(c)Oct 26, 1945
ANNUAL RUNOFF (CFSM)	0.379		0.834		0.699	
ANNUAL RUNOFF (INCHES)	5.15		11.36		9.50	
10 PERCENT EXCEEDS	562		1,680		1,270	
50 PERCENT EXCEEDS	239		374		370	
90 PERCENT EXCEEDS	109		160		128	

(a) Gage height, 9.25 ft, from graph based on gage readings, site and datum then in use

(b) Ice affected

(c) Also occurred Aug. 10, 1990

(e) Estimated due to ice effect or missing record