

03322900 WABASH RIVER AT LINN GROVE, IN

LOCATION.--Lat 40°39'22", long 85°01'58", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.34, T.26 N., R.13 E., Adams County, Hydrologic Unit 05120101, (LINN GROVE, IN quadrangle), on right bank 10 ft downstream from bridge on State Highway 218, 800 ft downstream from Shoemaker Ditch, 0.8 mi north of Linn Grove, and 2.2 mi upstream from Rice Ditch.

DRAINAGE AREA.--453 mi².

PERIOD OF RECORD.--September 1964 to current year.

REVISED RECORDS.--WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 808.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except for estimated daily discharges, which are poor. Occasional regulation by Grand Lake, diversion from or into St. Marys River Basin, and into Miami and Erie Canal.

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	653	184	1,510	685	e153	565	636	104	790	116	330	977
2	337	242	681	518	e150	1,390	401	180	273	110	142	272
3	219	190	403	566	e160	1,280	302	542	155	104	86	146
4	207	170	366	2,140	e152	967	245	343	113	168	142	333
5	216	160	341	4,070	e138	1,870	200	197	97	214	207	194
6	192	147	473	e4,900	e150	2,360	187	151	85	129	156	89
7	169	134	573	e4,290	e145	1,940	180	133	74	107	91	99
8	155	123	457	3,740	e138	933	174	137	64	90	65	71
9	143	114	863	2,530	e135	480	157	125	58	78	55	47
10	137	113	1,260	1,590	e131	327	144	105	53	77	51	39
11	130	112	1,500	807	e143	277	136	102	709	76	43	30
12	124	233	1,190	566	e164	235	132	106	2,150	79	37	25
13	117	483	605	432	e135	200	146	108	2,970	82	34	24
14	235	269	431	352	e132	204	139	101	3,820	74	32	22
15	1,000	184	331	313	e130	198	116	186	3,480	59	30	21
16	911	160	290	283	e125	196	110	200	2,780	47	28	22
17	435	147	349	327	e129	224	104	131	2,400	43	29	19
18	277	159	349	240	e143	201	98	120	1,730	49	32	22
19	220	682	291	e228	e200	273	92	422	1,570	44	34	23
20	192	955	260	e203	1,580	433	84	541	1,130	41	81	19
21	170	586	257	e225	2,350	666	99	274	442	36	534	18
22	158	318	232	e238	1,350	559	193	403	284	56	286	18
23	147	239	1,400	e211	616	345	377	448	224	112	109	16
24	138	350	2,860	e206	527	269	387	246	188	128	65	15
25	130	441	4,070	e190	421	241	250	160	175	79	47	15
26	145	290	3,090	e192	301	329	189	139	186	60	41	14
27	189	392	1,740	e198	256	1,160	139	112	156	61	36	14
28	201	1,460	909	e185	236	1,230	112	106	140	128	733	14
29	179	2,040	651	e177	245	743	105	105	130	84	2,680	15
30	157	2,250	1,040	e159	---	474	96	96	122	63	3,070	19
31	148	---	1,060	e156	---	760	---	779	---	522	2,330	---
TOTAL	7,831	13,327	29,832	30,917	10,635	21,329	5,730	6,902	26,548	3,116	11,636	2,652
MEAN	253	444	962	997	367	688	191	223	885	101	375	88.4
MAX	1,000	2,250	4,070	4,900	2,350	2,360	636	779	3,820	522	3,070	977
MIN	117	112	232	156	125	196	84	96	53	36	28	14
CFSM	0.56	0.98	2.12	2.20	0.81	1.52	0.42	0.49	1.95	0.22	0.83	0.20
IN.	0.64	1.09	2.45	2.54	0.87	1.75	0.47	0.57	2.18	0.26	0.96	0.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2004, BY WATER YEAR (WY)

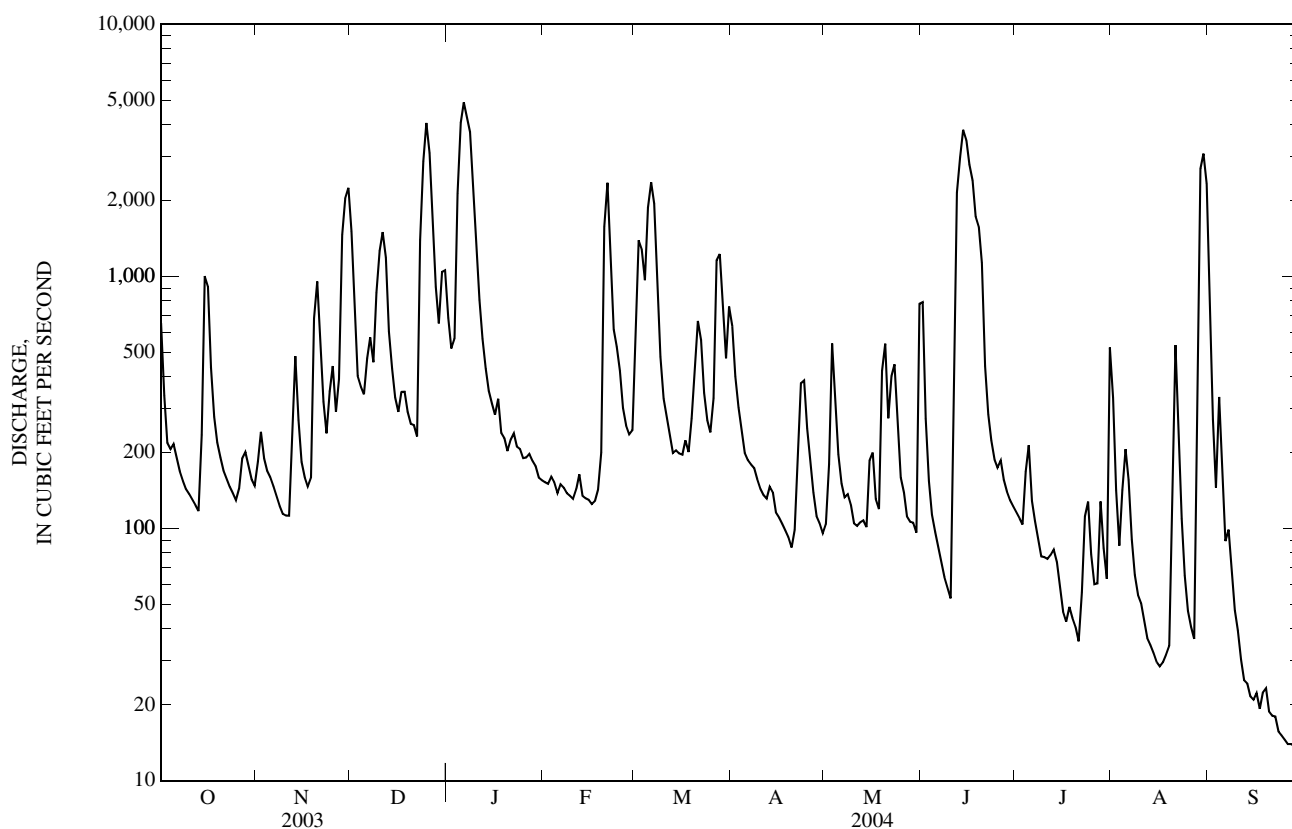
MEAN	111	271	494	502	655	782	647	393	377	345	197	118
MAX	1,002	1,853	1,514	1,563	1,717	2,397	2,085	1,584	1,914	3,033	1,513	1,074
(WY)	(2002)	(1973)	(1991)	(1974)	(1976)	(1978)	(1972)	(1996)	(1981)	(2003)	(1995)	(2003)
MIN	6.84	7.52	9.25	6.19	86.0	80.5	68.2	25.9	8.92	11.7	8.20	7.64
(WY)	(1965)	(1966)	(1977)	(1977)	(1978)	(1981)	(1971)	(1988)	(1988)	(1965)	(1966)	(1967)

WABASH RIVER BASIN

03322900 WABASH RIVER AT LINN GROVE, IN—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1965 - 2004	
ANNUAL TOTAL	331,276		170,455		406	
ANNUAL MEAN	908		466		794	
HIGHEST ANNUAL MEAN					76.8	
LOWEST ANNUAL MEAN					1966	
HIGHEST DAILY MEAN	13,900	Jul 8	e 4,900	Jan 6	13,900	Jul 8, 2003
LOWEST DAILY MEAN	27	Jan 31	14	Sep 26	4.0	Nov 1, 1999
ANNUAL SEVEN-DAY MINIMUM	30	Jan 26	15	Sep 23	5.1	Oct 29, 1999
MAXIMUM PEAK FLOW			5,460	Jan 6	14,500	Jul 8, 2003
MAXIMUM PEAK STAGE			12.22	Jan 6	14.76	Jul 8, 2003
ANNUAL RUNOFF (CFSM)	2.00		1.03		0.897	
ANNUAL RUNOFF (INCHES)	27.20		14.00		12.19	
10 PERCENT EXCEEDS	2,650		1,270		1,190	
50 PERCENT EXCEEDS	285		188		119	
90 PERCENT EXCEEDS	93		46		12	

e Estimated



03322985 WABASH RIVER NEAR BLUFFTON, IN

LOCATION.--Lat 40°43'41", long 85°08'12", in NE¼NE¼ sec.11, T.26 N., R.12 E., Wells County, Hydrologic Unit 05120101, (BLUFFTON, IN quadrangle), on left bank 300 ft downstream of bridge on County Road 450 East (State Highway 201), 0.95 mi south of State Highway 124, 2.5 mi southeast of Bluffton, and at mile 436.6.

DRAINAGE AREA.--508 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 795.42 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except for estimated daily discharges, which are poor. Occasional regulation by Grand Lake Reservoir, diversion from or into St. Mary's River Basin, and into Miami and Erie Canal.

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	929	175	1,830	947	e167	683	843	113	1,030	130	536	1,440
2	515	290	981	723	e165	1,600	572	177	446	123	213	489
3	302	243	587	710	e171	1,530	407	576	215	114	110	226
4	264	205	485	2,510	e164	1,260	326	508	145	150	190	382
5	272	190	472	4,020	e154	2,290	251	277	117	271	317	326
6	244	175	532	4,880	e165	2,280	223	e198	100	174	237	153
7	209	156	723	4,100	e158	2,180	214	163	87	123	123	226
8	184	143	618	3,550	e155	1,280	206	156	73	104	80	204
9	168	127	991	2,660	e152	693	191	159	65	85	64	104
10	156	123	1,780	1,880	e147	462	166	127	59	78	58	75
11	148	127	1,780	1,170	e160	364	156	118	1,010	77	52	58
12	138	182	1,480	826	e173	314	149	113	2,620	76	42	47
13	131	594	877	631	e151	247	157	131	2,980	83	38	43
14	194	407	616	508	e149	242	167	112	3,610	78	37	39
15	1,000	249	491	439	e148	246	138	161	3,410	66	32	36
16	1,090	201	397	386	e143	227	123	264	2,930	53	31	35
17	637	179	463	e358	e141	270	119	170	3,150	45	29	34
18	379	184	492	e317	e156	249	113	e138	2,120	44	36	31
19	282	703	405	e288	e215	305	106	e625	1,660	46	41	32
20	235	1,100	352	e260	1,390	528	99	812	1,370	41	91	33
21	209	847	306	e272	2,300	773	102	506	685	39	626	26
22	188	481	304	e254	1,910	761	203	497	391	53	478	27
23	171	331	1,630	e233	943	489	418	632	294	86	168	25
24	158	458	2,670	e223	724	359	527	381	235	143	89	22
25	146	649	3,450	e207	608	310	355	241	210	96	59	22
26	160	439	3,460	e205	436	453	259	182	221	68	49	20
27	207	399	2,230	e210	351	1,300	184	149	e189	59	86	20
28	248	1,510	1,220	e201	316	1,390	145	123	e168	105	967	19
29	219	1,990	883	e191	319	1,000	123	122	151	108	3,130	20
30	192	2,210	1,250	e173	---	660	115	116	140	69	3,140	21
31	171	---	1,280	e171	---	857	---	677	---	455	2,680	---
TOTAL	9,546	15,067	35,035	33,503	12,331	25,602	7,157	8,724	29,881	3,242	13,829	4,235
MEAN	308	502	1,130	1,081	425	826	239	281	996	105	446	141
MAX	1,090	2,210	3,460	4,880	2,300	2,290	843	812	3,610	455	3,140	1,440
MIN	131	123	304	171	141	227	99	112	59	39	29	19
CFSM	0.61	0.99	2.22	2.13	0.84	1.63	0.47	0.55	1.96	0.21	0.88	0.28
IN.	0.70	1.10	2.57	2.45	0.90	1.87	0.52	0.64	2.19	0.24	1.01	0.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2004, BY WATER YEAR (WY)

	MEAN	496	251	779	561	568	738	900	547	1,128	542	432
MAX	1,165	502	1,130	1,081	995	1,513	1,542	1,375	996	3,238	1,158	1,138
(WY)	(2002)	(2004)	(2004)	(2004)	(2002)	(2003)	(2002)	(2003)	(2004)	(2003)	(2003)	(2003)
MIN	16.4	86.3	247	197	289	794	239	281	146	42.2	22.0	17.7
(WY)	(2003)	(2003)	(2003)	(2002)	(2003)	(2002)	(2004)	(2004)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

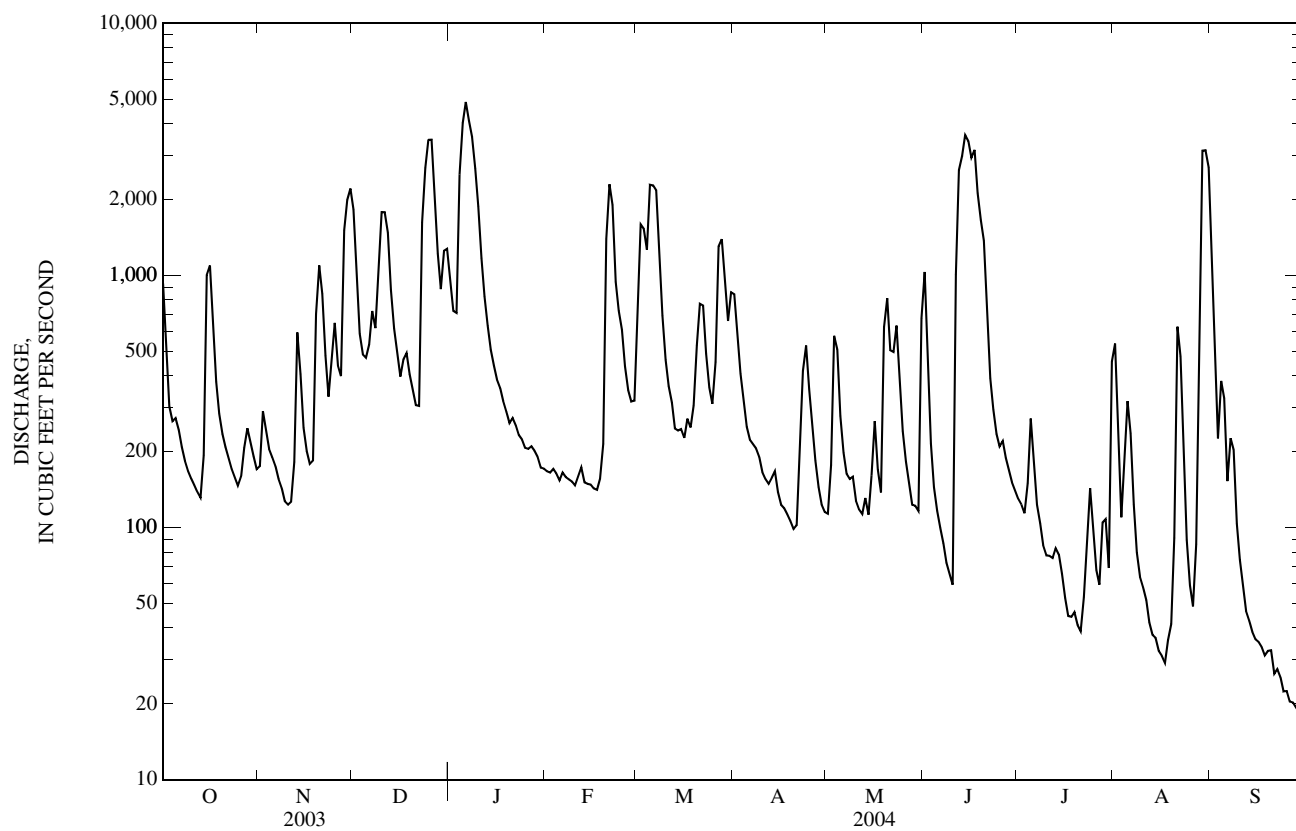
FOR 2004 WATER YEAR

WATER YEARS 1994 - 2004

ANNUAL TOTAL	368,314	198,152	
ANNUAL MEAN	1,009	541	
HIGHEST ANNUAL MEAN			668
LOWEST ANNUAL MEAN			875
HIGHEST DAILY MEAN	14,600	4,880	2003
LOWEST DAILY MEAN	30	19	2004
ANNUAL SEVEN-DAY MINIMUM	33	21	2003
MAXIMUM PEAK FLOW		5,110	2001
MAXIMUM PEAK STAGE		13.21	2001
ANNUAL RUNOFF (CFSM)	1.99	1.07	2001
ANNUAL RUNOFF (INCHES)	26.97	14.51	2001
10 PERCENT EXCEEDS	2,870	1,490	2001
50 PERCENT EXCEEDS	379	217	2001
90 PERCENT EXCEEDS	109	56	2001

e Estimated

03322985 WABASH RIVER NEAR BLUFFTON, IN—Continued



LOCATION.--Lat 40°51'20", long 85°29'53", in SW ¼ NE ¼ sec.27, T.28 N., R.9 E., Huntington County, Hydrologic Unit 05120101, (MAJENICA, IN quadrangle), on right bank at the Huntington Water and Light Plant, 2 mi south of Huntington, 2.4 mi downstream from Huntington Lake, 3.2 mi upstream from Little River, and at mile 409.0.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 14.79 ft, Jan. 7; minimum gage height, 9.08 ft, Aug. 23.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	13.02	9.79	11.82	10.88	9.71	10.18	10.62	9.31	10.48	9.48	10.20	13.01	
2	11.54	9.77	10.98	10.41	9.60	11.93	10.52	9.53	11.25	10.13	9.78	10.97	
3	11.47	9.79	10.38	10.40	9.68	11.86	10.10	10.42	10.85	9.97	9.65	10.72	
4	11.39	9.81	9.97	10.86	9.68	11.19	9.97	10.42	10.28	9.78	9.66	10.40	
5	10.87	9.85	10.11	10.84	9.59	11.45	9.96	10.12	9.67	9.78	10.05	10.12	
6	10.84	9.84	10.11	13.79	9.67	12.58	9.53	9.69	9.69	9.84	10.05	9.78	
7	10.79	9.78	10.12	14.79	9.67	12.51	9.54	9.69	9.65	9.77	9.44	9.78	
8	10.23	9.75	10.13	14.64	9.69	12.68	9.54	9.69	9.59	9.37	9.46	9.94	
9	9.93	9.62	10.46	14.50	9.68	10.42	9.55	9.69	9.53	9.38	9.58	9.96	
10	9.56	9.61	11.12	14.00	9.89	10.32	9.55	9.63	9.31	9.40	9.58	9.40	
11	9.58	9.62	11.91	12.25	9.69	9.97	9.56	9.64	9.87	9.16	9.53	9.44	
12	9.63	9.61	12.42	11.00	9.68	10.03	9.56	9.64	9.95	9.55	9.45	9.50	
13	9.67	10.16	11.19	10.41	9.83	9.90	9.56	9.64	10.17	9.58	9.41	9.51	
14	9.75	10.16	10.59	10.17	9.65	9.82	9.56	9.62	10.18	9.57	9.20	9.44	
15	10.66	10.01	10.11	10.05	9.80	9.82	9.56	9.62	10.19	9.40	9.20	9.66	
16	10.94	9.79	10.22	9.86	9.77	9.53	9.52	9.62	10.20	9.31	9.19	9.70	
17	10.53	9.69	10.11	9.86	9.70	9.54	9.52	9.67	10.78	9.31	9.23	9.70	
18	10.32	9.70	10.15	10.05	9.57	9.55	9.52	9.67	12.42	9.36	9.31	9.54	
19	9.91	10.02	10.11	9.87	9.67	9.55	9.17	10.59	13.09	9.37	9.33	9.47	
20	9.91	10.74	9.90	9.61	10.35	9.57	9.18	10.88	13.54	9.36	9.70	9.46	
21	9.72	10.88	9.90	9.70	11.75	9.58	9.17	11.24	13.79	9.43	10.93	9.45	
22	9.72	10.34	9.91	9.96	11.46	9.60	9.18	10.26	13.67	9.97	10.42	9.44	
23	9.75	9.99	10.04	9.69	11.39	9.60	9.18	10.33	13.54	9.96	9.77	9.43	
24	9.75	10.00	12.69	9.86	10.56	9.61	9.18	10.58	13.40	9.53	9.77	9.43	
25	9.75	10.45	13.60	9.71	10.38	9.62	9.18	9.83	12.02	9.50	9.54	9.44	
26	9.73	10.43	13.98	9.72	10.09	9.64	9.18	9.89	11.47	9.52	9.26	9.44	
27	9.73	10.14	12.69	9.71	10.13	11.63	9.18	9.66	11.42	9.50	9.32	9.42	
28	9.75	10.75	12.44	9.71	9.98	12.51	9.18	9.62	11.33	9.49	10.50	9.41	
29	9.78	11.86	11.03	9.71	9.98	12.28	9.18	9.62	10.94	9.47	11.32	9.40	
30	9.90	11.85	11.30	9.71	---	11.04	9.22	10.20	11.10	9.49	12.57	9.40	
31	9.79	---	11.00	9.71	---	10.60	---	9.69	---	9.82	13.12	---	
MEAN	10.26	10.13	10.98	10.82	10.01	10.58	9.51	9.93	11.11	9.57	9.92	9.79	
MAX	13.02	11.86	13.98	14.79	11.75	12.68	10.62	11.24	13.79	10.13	13.12	13.01	
MIN	9.56	9.61	9.90	9.61	9.57	9.53	9.17	9.31	9.31	9.16	9.19	9.40	
CAL YR	2003	MEAN	10.85	MAX	19.31	MIN	9.18						
WTR YR	2004	MEAN	10.22	MAX	14.79	MIN	9.16						

03323500 WABASH RIVER AT HUNTINGTON, IN—Continued

WATER-QUALITY RECORDS

INSTRUMENTATION.--Temperature recorder.

PERIOD OF RECORD.-- WATER TEMPERATURE.--October 1987 to September 1988. October 1989 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 29.2°C, July 31, 1999; minimum, -0.4°C, Jan. 8, 9, 10, 2004.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 27.3°C, Aug. 23, minimum, -0.4°C, Jan. 8, 9, 10.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	15.4	14.7	15.1	12.4	11.7	11.9	4.7	3.6	4.0	3.9	3.1	3.4
2	14.8	14.1	14.5	13.6	11.8	12.6	3.7	3.0	3.4	5.8	3.8	4.8
3	14.1	13.8	13.9	14.7	12.5	13.4	3.8	3.3	3.6	7.3	5.8	6.9
4	13.9	13.4	13.7	15.5	13.4	14.3	4.1	3.0	3.5	7.1	4.0	5.3
5	14.0	13.3	13.5	14.7	13.8	14.3	3.6	2.7	3.2	4.5	3.5	4.1
6	13.7	12.9	13.3	13.8	12.7	13.5	3.4	2.7	3.0	3.5	1.2	2.1
7	13.9	13.1	13.4	12.7	11.2	12.1	3.7	2.7	3.0	1.2	-0.3	0.4
8	14.5	13.3	13.7	11.7	9.9	10.8	3.7	2.8	3.2	-0.2	-0.4	-0.3
9	14.1	13.2	13.6	10.9	8.9	9.7	4.0	3.0	3.5	-0.3	-0.4	-0.4
10	15.7	13.5	14.4	10.3	8.3	9.2	5.3	3.3	4.7	-0.1	-0.4	-0.2
11	16.4	13.6	14.7	10.5	9.3	10	5.4	4.3	5.1	0.4	-0.1	0.2
12	16.4	13.9	14.8	11.0	9.0	10.1	4.8	3.3	4.0	0.9	0.4	0.6
13	16.9	13.8	14.9	9.0	7.5	8.3	3.4	1.9	2.7	1.2	0.6	0.9
14	15.0	14.4	14.7	7.5	6.4	6.9	2.6	1.9	2.1	1.7	1.0	1.3
15	15.7	14.4	15.1	6.5	6.2	6.3	2.6	1.9	2.1	1.9	1.0	1.5
16	15.0	14.0	14.6	7.2	6.2	6.8	2.6	2.1	2.4	2.2	1.4	1.7
17	14.0	13.1	13.7	8.9	7.1	7.8	2.4	1.3	1.9	2.2	1.6	1.9
18	13.9	12.8	13.2	10.2	8.1	9.3	1.8	1.1	1.4	2.1	1.3	1.7
19	14.5	12.7	13.4	10.5	9.2	10	2.1	1.3	1.7	2.0	1.1	1.5
20	14.8	12.6	13.4	10.4	9.2	10.0	2.6	1.2	1.8	3.2	1.4	2.2
21	14.1	13.0	13.6	10.4	9.7	10.1	2.9	1.4	2.1	2.9	2.2	2.5
22	13.7	12.6	13.1	10.6	9.8	10.2	3.0	2.3	2.6	2.5	0.7	1.8
23	14.2	12.3	13.0	11.5	10.4	11.0	4.5	2.7	3.6	2.0	1.4	1.8
24	13.8	11.7	12.5	11.3	7.9	9.7	3.8	1.5	2.9	2.9	1.7	2.2
25	12.7	12.2	12.4	7.9	5.6	6.7	2.6	1.2	2.1	2.0	1.4	1.7
26	13.2	11.6	12.3	6.3	5.4	5.8	1.6	0.5	1.0	1.9	1.6	1.7
27	11.8	11.0	11.4	6.9	5.8	6.5	0.7	0.3	0.5	2.0	1.4	1.8
28	11.4	10.9	11.1	6.9	5.1	6.2	1.7	0.6	1.2	1.8	1.2	1.5
29	11.3	10.4	10.7	5.1	3.6	4.7	3.4	1.7	2.7	1.7	1.1	1.4
30	12.0	10.0	10.9	4.6	4.2	4.4	3.7	3.1	3.4	1.5	1.1	1.2
31	12.5	10.9	11.7	---	---	---	3.9	3.1	3.5	1.5	1.1	1.2
MONTH	16.9	10.0	13.4	15.5	3.6	9.4	5.4	0.3	2.8	7.3	-0.4	1.9

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1.7	1.0	1.3	6.8	4.7	5.5	11.5	9.9	11.0	17.8	14.2	16.0
2	1.9	1.1	1.5	6.3	4.6	5.7	10.6	9.6	10.1	16.6	13.4	14.5
3	2.1	1.0	1.7	6.3	5.9	6.1	11.8	9.8	10.6	17.0	13.2	14.7
4	1.9	1.0	1.3	7.1	6.0	6.4	10.8	8.8	10.0	15.9	14.9	15.3
5	2.0	1.2	1.6	8.7	7.1	7.9	11.4	8.6	9.6	16.8	14.6	15.5
6	2.0	1.6	1.8	8.9	8.4	8.7	12.3	8.6	10.5	18.0	14.5	15.8
7	2.1	1.4	1.7	8.4	7.8	8.2	14.3	10.0	12.0	15.8	13.7	14.8
8	1.9	1.1	1.4	7.8	6.3	7.1	14.7	11.3	12.7	18.2	14.4	16.0
9	2.0	1.1	1.5	6.3	5.4	5.9	15.2	11.1	12.8	18.0	15.0	16.3
10	2.0	1.2	1.5	6.8	5.3	5.8	15.2	11.0	12.9	18.0	15.3	16.3
11	2.3	1.0	1.5	7.6	5.5	6.4	15.4	12.0	13.4	17.9	15.5	16.4
12	2.1	1.4	1.7	5.7	3.6	4.9	13.5	11.8	12.5	18.8	15.3	16.8
13	2.2	1.4	1.7	6.5	3.6	4.8	11.9	10.8	11.4	17.5	15.9	16.7
14	3.1	1.3	2.0	7.5	4.8	5.7	15.0	10.0	12.1	17.6	16.0	16.7
15	2.8	1.6	2.0	8.2	5.6	6.6	15.0	10.1	12.2	16.8	15.8	16.2
16	2.7	1.6	2.0	7.1	6.0	6.5	16.3	11.4	13.6	19.6	16.2	17.5
17	3.2	1.5	2.2	6.9	6.1	6.5	17.6	13.0	14.9	19.4	16.9	18.1
18	3.1	1.4	2.3	7.4	5.5	6.4	18.0	14.2	15.7	18.8	17.7	18.2
19	3.9	2.2	2.8	7.9	6.2	6.8	17.8	14.7	16.2	21.7	17.5	19.1
20	3.3	1.3	2.2	8.7	6.4	7.4	15.9	14.3	15.1	20.4	19.7	19.9
21	1.3	0.1	0.6	7.2	5.7	6.5	17.0	14.7	15.7	21.9	19.9	21.0
22	1.0	0.3	0.6	9.2	5.2	6.8	15.5	13.9	14.6	21.6	20.3	21.1
23	0.9	0.6	0.8	9.6	5.7	7.3	16.9	13.3	14.9	21.4	20.4	20.9
24	1.3	0.7	1.0	8.5	6.9	7.8	16.7	14.4	15.6	21.9	20.8	21.3
25	2.4	0.9	1.5	9.3	8.0	8.5	17.1	14.5	15.7	21.5	20.1	20.9
26	3.7	1.6	2.4	9.6	8.6	9.0	17.2	14.3	15.6	21.6	19.5	20.3
27	4.9	2.3	3.3	9.2	7.5	8.6	15.2	13.6	14.3	21.1	19.4	20.0
28	6.1	2.7	4.2	11.3	9.0	9.9	17.0	12.3	14.7	21.8	19.1	20.1
29	6.7	3.4	4.8	12.1	11.3	11.6	18.1	14.8	16.5	21.5	18.6	19.9
30	---	---	---	12.6	11.9	12.2	18.5	16.0	17.2	20.9	17.8	19.5
31	---	---	---	12.5	11.5	12.0	---	---	---	20.7	17.3	18.9
MONTH	6.7	0.1	1.9	12.6	3.6	7.4	18.5	8.6	13.5	21.9	13.2	17.9
	JUNE			JULY			AUGUST			SEPTEMBER		
1	23.8	18.4	19.7	23.5	21.4	22.9	24.7	21.9	23.1	23.5	22.8	23.1
2	21.6	19.8	20.4	23.7	20.2	22.1	24.7	23.2	23.9	24.1	23.0	23.4
3	21.2	20.3	20.5	23.2	21.8	22.4	25.6	23.1	24.1	23.4	22.8	23.1
4	21.4	19.9	20.5	23.8	22.0	22.7	23.4	21.3	22.8	23.5	22.5	22.9
5	21.2	18.9	20.1	24.7	22.2	23.2	25.2	22.3	23.6	23.7	22.3	22.8
6	21.2	18.6	19.5	25.3	22.8	23.9	25.5	23.5	24.2	24.2	22.1	22.9
7	22.0	18.5	20.0	24.8	23.2	23.8	25.0	23.1	24.0	24.3	21.4	22.5
8	22.7	18.7	20.4	25.3	22.5	23.7	25.5	22.2	23.5	23.3	21.4	22.3
9	22.5	19.2	20.4	25.6	21.3	23.2	25.3	21.7	23.2	24.3	22.3	23.0
10	20.3	19.2	19.7	25.0	22.0	23.3	23.8	22.2	22.9	24.3	21.7	22.8
11	20.3	18.4	19.5	25.3	22.3	23.7	24.3	21.9	22.7	24.1	20.4	22.0
12	21.3	17.4	20.4	25.8	22.9	24.2	22.8	21.2	21.9	24.7	20.6	22.2
13	22.2	19.3	20.3	25.9	22.7	23.9	23.0	21.0	21.9	24.2	20.8	22.3
14	21.1	18.8	19.7	24.7	22.5	23.4	23.3	20.3	21.7	24.1	21.2	22.4
15	20.7	19.2	19.7	25.0	22.2	23.4	22.0	20.1	21.2	24.2	21.0	22.4
16	19.9	19.3	19.6	24.4	21.3	22.8	23.4	20.2	21.6	23.6	21.8	22.4
17	21.1	19.5	20.3	25.4	21.2	23.0	22.9	20.9	21.9	23.5	21.3	22.1
18	22.1	20.5	21.3	25.5	21.3	23.3	22.7	21.1	22.0	23.8	20.9	22.0
19	22.5	21.7	22.1	25.3	21.5	23.3	22.3	19.3	21.3	23.8	20.2	21.7
20	23.0	22.3	22.7	25.4	21.6	23.4	21.4	20.2	20.8	23.7	19.8	21.4
21	23.3	22.8	23.1	25.7	20.6	23.6	23.5	20.8	22.1	23.7	19.7	21.3
22	23.2	23.0	23.1	27.0	21.8	23.6	23.2	21.9	22.5	23.8	19.6	21.3
23	23.4	23.1	23.2	25.7	23.6	24.5	27.3	20.5	22.4	23.5	19.7	21.3
24	23.3	22.9	23.2	25.6	23.4	24.2	22.7	20.5	21.5	21.9	20.0	20.9
25	23.3	22.8	23.0	23.8	22.8	23.2	23.0	21.1	21.8	22.9	19.9	21.0
26	22.9	22.5	22.7	23.6	22.7	23.1	23.9	21.0	22.2	21.2	19.5	20.2
27	23.2	22.5	22.8	23.5	22.3	22.8	23.7	21.6	22.5	22.5	18.9	20.4
28	23.0	22.5	22.7	25.9	21.8	23.4	24.3	20.9	22.2	20.1	18.9	19.5
29	26.7	22.0	22.7	24.0	21.7	22.8	24.4	21.8	23.1	20.9	18.7	19.5
30	23.3	22.4	22.8	22.7	21.6	22.1	25.3	23.3	24.2	21.2	17.7	19.3
31	---	---	---	23.8	21.6	22.6	23.4	22.9	23.2	---	---	---
MONTH	26.7	17.4	21.2	27.0	20.2	23.3	27.3	19.3	22.6	24.7	17.7	21.8
YEAR	27.3	-0.4	13.1									

03324000 LITTLE RIVER NEAR HUNTINGTON, IN

LOCATION.--Lat 40°54'14", long 85°24'22", in NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.9, T.28 N., R.10 E., Huntington County, Hydrologic Unit 05120101, (HUNTINGTON, IN quadrangle), on right bank on upstream side of former highway bridge, 0.5 mi upstream of County Road 200 East bridge, 5 mi east of Huntington, and at mile 7.5.

DRAINAGE AREA.--263 mi².

PERIOD OF RECORD.--October 1943 to current year. Prior to January 1944 monthly discharge only, published in WSP 1305. Published as Little River at Huntington, January 1944 to September 1948, Little River near Huntington, October 1948 to September 1956, and Little Wabash River near Huntington, October 1956 to September 1961.

REVISED RECORDS.--WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 728.10 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1948, nonrecording gage 3.5 mi downstream at datum 8.79 ft lower, and Oct. 1, 1948, to Sept. 5, 1950, nonrecording gage at present site and datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. During periods of extreme high water in the St. Marys River, some water leaves the St. Marys River Basin through Junk Ditch and flows into Little River Basin via Graham McCulloch Ditch.

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	237	74	250	304	e73	887	177	75	2,740	64	114	187
2	169	79	182	262	e70	1,360	146	355	1,700	58	72	123
3	130	73	149	250	e67	674	126	341	717	56	59	99
4	133	70	132	1,200	e66	621	111	163	369	95	486	454
5	131	70	135	2,340	e64	2,080	96	118	237	94	956	268
6	102	66	170	1,180	e62	1,200	89	93	172	71	347	139
7	90	59	160	e452	e61	542	87	256	138	186	170	390
8	81	55	142	e295	e59	378	86	575	112	129	106	343
9	74	52	324	e221	e58	287	80	241	98	73	77	164
10	69	51	1,520	e177	e58	223	74	148	88	62	73	110
11	65	54	1,450	e165	e57	193	72	125	876	57	70	86
12	61	94	602	158	e56	163	68	122	2,300	56	56	75
13	58	107	331	146	e56	134	67	99	3,100	54	49	67
14	89	77	237	137	e56	130	67	90	4,080	47	46	61
15	536	68	188	126	e55	129	63	87	4,030	42	45	57
16	336	64	168	e111	e55	118	61	77	3,060	41	42	55
17	237	63	199	e104	e55	121	60	68	2,230	56	42	50
18	167	133	164	111	e56	126	60	66	1,480	46	79	45
19	135	1,010	139	e102	e58	132	57	139	732	45	248	43
20	113	521	121	e100	e81	135	55	136	463	39	440	41
21	98	282	106	e98	e650	135	106	326	320	43	1,150	39
22	89	190	114	e96	e524	114	119	498	228	1,100	394	38
23	81	151	1,400	e94	789	105	83	245	165	995	179	38
24	73	539	2,060	e91	629	108	74	1,440	131	363	113	37
25	71	492	994	e89	425	128	69	694	121	156	86	36
26	100	267	464	e88	396	261	67	349	125	105	77	35
27	110	223	317	e86	376	718	59	211	96	94	89	35
28	96	437	255	e84	355	413	53	151	84	95	782	35
29	89	633	344	e81	355	287	50	115	79	77	1,620	37
30	81	349	767	e79	---	232	48	529	70	65	801	38
31	71	---	431	e76	---	210	---	3,290	---	163	349	---
TOTAL	3,972	6,403	14,015	8,903	5,722	12,344	2,430	11,222	30,141	4,627	9,217	3,225
MEAN	128	213	452	287	197	398	81.0	362	1,005	149	297	108
MAX	536	1,010	2,060	2,340	789	2,080	177	3,290	4,080	1,100	1,620	454
MIN	58	51	106	76	55	105	48	66	70	39	42	35
CFSM	0.49	0.81	1.72	1.09	0.75	1.51	0.31	1.38	3.82	0.57	1.13	0.41
IN.	0.56	0.91	1.98	1.26	0.81	1.75	0.34	1.59	4.26	0.65	1.30	0.46

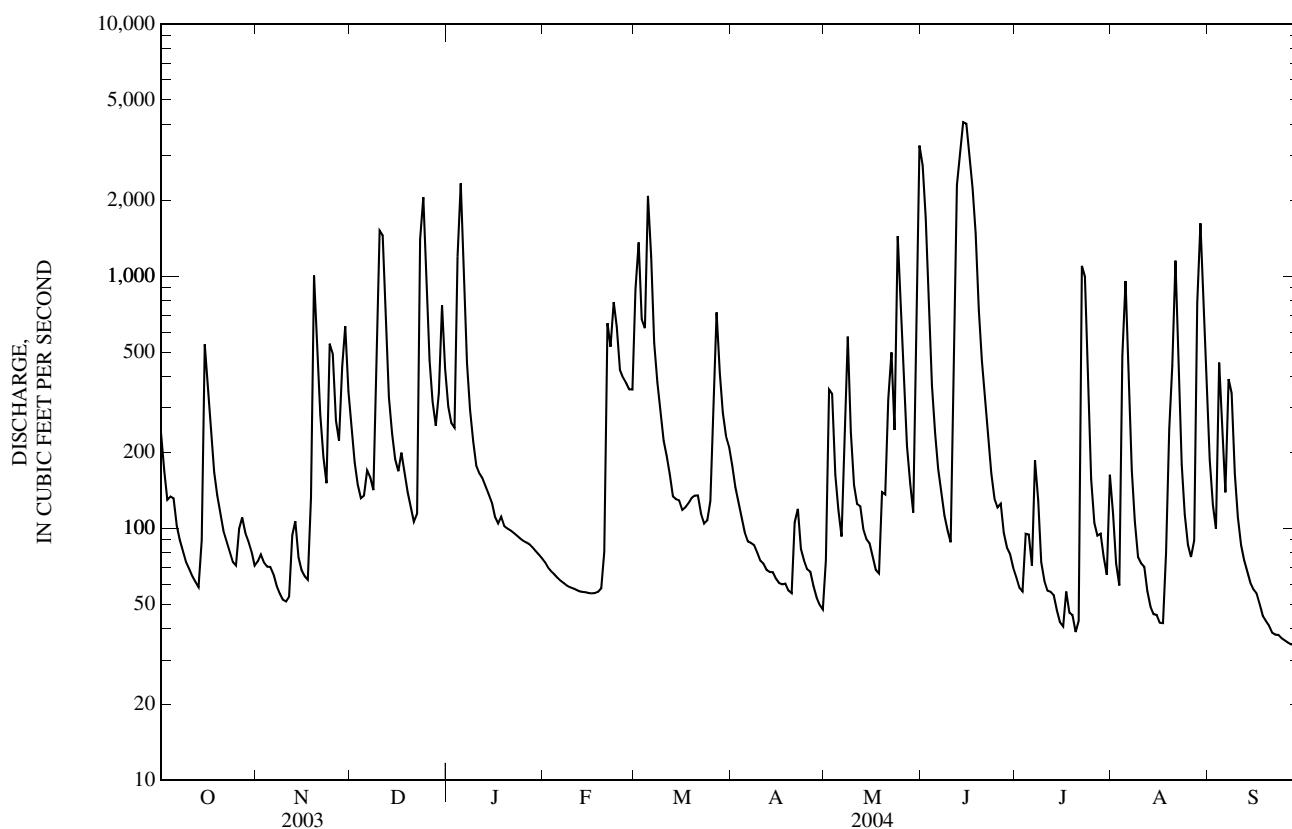
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2004, BY WATER YEAR (WY)

	MEAN	95.9	157	274	319	392	473	414	256	253	129	70.9	65.2
MAX	906	1,137	1,010	1,693	1,164	1,765	1,396	826	1,005	799	501	414	
(WY)	(2002)	(1993)	(1967)	(1950)	(1959)	(1982)	(1957)	(2003)	(2004)	(2003)	(1958)	(1992)	
MIN	5.72	10.2	8.93	6.25	17.5	90.7	40.3	35.2	22.3	15.9	7.76	4.22	
(WY)	(1963)	(1965)	(1964)	(1977)	(1964)	(1981)	(1946)	(1963)	(1988)	(1962)	(1963)	(1962)	

03324000 LITTLE RIVER NEAR HUNTINGTON, IN—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1945 - 2004	
ANNUAL TOTAL	127,666		112,221		241	
ANNUAL MEAN	350		307		450	
HIGHEST ANNUAL MEAN					67.0	
LOWEST ANNUAL MEAN					1950	
HIGHEST DAILY MEAN	3,740	Jul 8	4,080	Jun 14	5,610	Mar 14, 1982
LOWEST DAILY MEAN	28	Jan 27	35	Sep 26	1.1	Oct 8, 1946
ANNUAL SEVEN-DAY MINIMUM	30	Jan 24	36	Sep 23	1.8	Oct 7, 1946
MAXIMUM PEAK FLOW			4,280	Jun 14	5,990	Jan 4, 1950
MAXIMUM PEAK STAGE			16.92	Jun 14	19.50	Feb 25, 1985
ANNUAL RUNOFF (CFSM)	1.33		1.17		0.915	
ANNUAL RUNOFF (INCHES)	18.06		15.87		12.43	
10 PERCENT EXCEEDS	974		717		601	
50 PERCENT EXCEEDS	112		114		70	
90 PERCENT EXCEEDS	44		55		15	

e Estimated



WABASH RIVER BASIN

03324300 SALAMONIE RIVER NEAR WARREN, IN

LOCATION.--Lat 40°42'45", long 85°27'13", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.12, T.26 N., R.9 E., Huntington County, Hydrologic Unit 05120102, (WARREN, IN quadrangle), on right bank at downstream side of bridge on County Road 800 South, 0.4 mi downstream from Detamore Ditch, 0.4 mi downstream from Interstate 69, 0.8 mi upstream from concrete and stone dam, 2.4 mi northwest of Warren, and at mile 30.0.

DRAINAGE AREA.--425 mi².

PERIOD OF RECORD.--March 1957 to current year.

REVISED RECORDS.--WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 784.65 ft above National Geodetic Vertical Datum of 1929, (levels by State of Indiana, Department of Natural Resources). Prior to July 28, 1960, 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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	321	99	406	418	e62	838	1,650	e77	743	82	281	245
2	228	238	284	318	e62	2,130	586	e151	235	78	112	137
3	180	167	217	378	e68	1,010	367	e415	136	79	70	145
4	169	138	186	4,040	e66	938	264	232	95	95	113	340
5	164	121	184	6,750	e66	3,770	194	144	75	143	170	146
6	144	105	253	e5,880	e74	2,650	155	112	66	117	133	90
7	125	89	402	e2,730	e74	820	140	100	59	93	75	100
8	111	82	310	e777	e71	441	130	86	52	75	56	151
9	100	74	995	378	e70	306	118	80	49	69	50	84
10	94	70	1,780	e250	e73	228	102	76	48	69	52	58
11	88	72	2,280	e217	e72	188	93	99	2,680	68	48	45
12	83	241	875	202	e73	159	89	136	5,330	66	47	40
13	79	765	381	191	e70	134	88	90	5,400	77	44	36
14	113	321	266	166	e66	124	86	92	4,390	77	43	34
15	977	176	216	155	e65	123	78	163	2,720	68	42	34
16	550	141	189	135	e63	123	72	207	896	60	46	35
17	259	129	274	125	e61	124	69	123	4,180	58	48	34
18	181	170	281	e121	e64	132	68	322	2,550	56	63	31
19	145	1,380	202	e108	e97	210	65	1,240	1,240	57	74	e30
20	122	1,290	166	e95	e1,420	360	67	605	481	54	135	e30
21	107	451	139	e89	e2,590	608	74	1,010	309	60	632	e29
22	104	264	137	e82	826	413	101	636	236	114	365	e28
23	96	199	2,330	e77	518	227	428	449	186	101	129	e28
24	88	713	4,230	e74	514	179	360	363	153	86	76	e27
25	83	914	3,700	e72	388	157	e269	247	140	78	59	e26
26	90	366	1,060	e71	250	530	e181	168	135	65	53	e26
27	159	275	439	e70	203	2,430	e133	119	118	63	53	e26
28	156	1,820	346	e69	182	1,290	e102	456	103	69	125	33
29	130	2,440	413	e67	187	565	80	189	93	79	1,270	33
30	115	799	1,450	e66	---	422	e74	112	86	80	2,560	30
31	99	---	874	e64	---	1,920	---	934	---	225	828	---
TOTAL	5,460	14,109	25,265	24,235	8,395	23,549	6,283	9,233	32,984	2,561	7,852	2,131
MEAN	176	470	815	782	289	760	209	298	1,099	82.6	253	71.0
MAX	977	2,440	4,230	6,750	2,590	3,770	1,650	1,240	5,400	225	2,560	340
MIN	79	70	137	64	61	123	65	76	48	54	42	26
CFSM	0.41	1.11	1.92	1.84	0.68	1.79	0.49	0.70	2.59	0.19	0.60	0.17
IN.	0.48	1.23	2.21	2.12	0.73	2.06	0.55	0.81	2.89	0.22	0.69	0.19

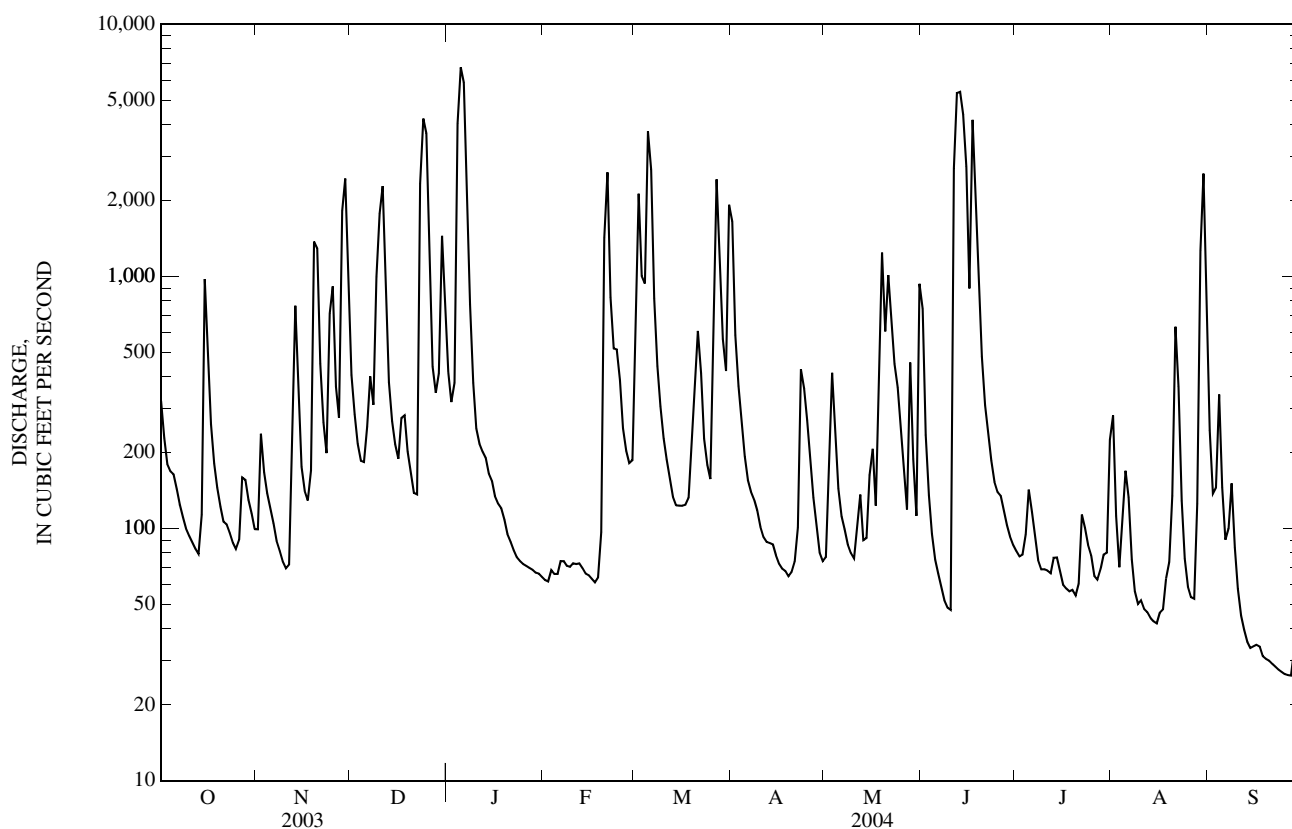
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2004, BY WATER YEAR (WY)

MEAN	113	300	479	490	623	844	691	402	379	275	151	111
MAX	1,486	1,794	1,685	1,724	1,906	2,616	2,214	1,421	2,312	2,219	1,363	1,001
(WY)	(2002)	(1993)	(1991)	(1974)	(1976)	(1978)	(1964)	(2003)	(1958)	(2003)	(1998)	(2003)
MIN	8.13	13.1	11.4	6.12	19.2	103	74.5	32.8	16.7	23.8	11.8	9.22
(WY)	(1964)	(2000)	(1977)	(1977)	(1964)	(1981)	(1976)	(1988)	(1988)	(1967)	(1965)	(1963)

03324300 SALAMONIE RIVER NEAR WARREN, IN—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1958 - 2004	
ANNUAL TOTAL	281,441		162,057		404	
ANNUAL MEAN	771		443		689	
HIGHEST ANNUAL MEAN					109	
LOWEST ANNUAL MEAN					2003	
HIGHEST DAILY MEAN	9,800	Jul 9	6,750	Jan 5	10,900	Jan 23, 1999
LOWEST DAILY MEAN	30	Feb 1	e 26	Sep 25	5.1	Jan 2, 1977
ANNUAL SEVEN-DAY MINIMUM	32	Jan 26	e 27	Sep 21	5.9	Dec 29, 1976
MAXIMUM PEAK FLOW			7,170	Jan 5	13,500	Aug 5, 1998
MAXIMUM PEAK STAGE			12.88	Feb 20	17.05	Feb 10, 1959
ANNUAL RUNOFF (CFSM)	1.81		1.04		0.950	
ANNUAL RUNOFF (INCHES)	24.63		14.18		12.91	
10 PERCENT EXCEEDS	2,250		1,010		1,000	
50 PERCENT EXCEEDS	181		133		94	
90 PERCENT EXCEEDS	50		56		18	

e Estimated



LOCATION.--Lat 40°48'42", long 85°41'02", in NE¼NE¼ sec.12, T.27 N., R.7 E., Wabash County, Hydrologic Unit 05120102, (LAGRO, IN quadrangle), on right bank, 0.4 mi downstream from Salamonie Lake, 1.5 mi northwest of Dora, and 3.0 mi upstream from mouth.

PERIOD OF RECORD.--November 1923 to September 1976 (discharge). October 1976 to September 2001 (discharge provided by U.S. Army Corps of Engineers). October 2001 to current year (stage only). Monthly discharge only for some periods, published in WSP 1305.

GAGE.--Water-stage recorder. Datum of gage is 673.96 ft above National Geodetic Vertical Datum of 1929, (levels by State of Indiana, Department of Natural Resources). Prior to Oct. 1, 1951, non-recording gage at site 1.5 mi upstream at datum 688.59 ft above National Geodetic Vertical Datum of 1929, (levels by U.S. Army Corps of Engineers) and Oct. 1, 1951, to Oct. 8, 1961, water-stage recorder located on left bank 2,000 ft upstream at datum 679.77 ft above National Geodetic Vertical Datum of 1929, (levels by U.S. Army Corps of Engineers). Oct. 9, 1961, to Sept. 30, 1974, water-stage recorder at site described in "LOCATION" paragraph.

COOPERATION.--Records of daily discharge provided by U.S. Army Corps of Engineers October 1976 to September 2001.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 8.52 ft, July 2; minimum gage height, 2.24 ft, July 15.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.08	3.73	4.13	4.76	2.92	3.61	6.16	2.69	2.52	7.17	3.34	4.76
2	4.60	4.20	3.60	4.73	2.90	5.94	3.66	2.69	3.04	7.09	3.13	4.97
3	5.21	4.13	3.57	3.92	2.90	6.55	3.72	2.46	3.55	7.87	2.82	5.49
4	6.21	3.98	3.29	3.77	2.89	4.55	3.45	2.45	4.29	7.81	3.16	6.40
5	6.58	3.96	3.43	3.84	2.89	4.63	3.37	2.46	3.84	7.25	3.16	3.22
6	7.13	3.72	3.41	3.84	2.89	5.34	3.20	2.46	3.84	7.21	3.16	3.34
7	7.33	3.71	3.70	5.55	2.97	6.43	3.11	2.47	2.97	4.52	2.97	3.78
8	7.52	3.74	3.66	6.01	3.00	6.36	2.76	2.47	2.84	4.51	2.68	3.37
9	7.48	3.74	4.11	6.40	3.00	5.93	2.76	2.47	2.84	3.83	2.68	3.37
10	7.05	3.73	6.35	6.36	3.01	4.71	2.76	2.47	2.84	3.83	2.68	2.84
11	3.81	3.73	6.37	7.36	2.96	3.97	2.76	2.47	2.87	3.31	2.61	2.84
12	4.10	3.76	5.62	7.27	2.93	3.60	2.68	2.47	2.89	2.76	2.61	2.84
13	4.09	4.96	4.26	6.85	2.89	3.28	2.68	2.47	2.89	2.60	2.61	2.60
14	4.10	4.13	3.73	6.42	2.88	3.31	2.68	2.47	2.92	2.52	2.61	2.60
15	5.08	4.12	3.61	5.61	2.87	3.20	2.68	2.48	2.92	2.51	2.61	2.60
16	5.56	3.68	3.37	4.76	2.84	2.88	2.68	2.48	2.92	2.52	2.61	2.60
17	5.04	3.66	3.36	3.66	2.81	2.74	2.68	2.49	2.92	2.53	2.61	2.52
18	4.14	3.61	3.60	3.33	2.81	2.74	2.68	2.51	2.92	2.54	2.63	2.52
19	4.27	4.98	3.38	3.38	2.84	2.74	2.68	2.51	2.92	2.54	2.61	2.52
20	4.27	5.81	3.29	3.37	5.08	2.75	2.69	2.52	2.92	2.54	2.99	2.52
21	4.20	4.92	3.14	3.21	5.16	2.75	2.69	2.53	2.92	2.56	3.73	2.52
22	4.08	3.85	3.13	3.17	6.58	2.75	2.69	2.55	3.52	3.12	3.80	2.52
23	4.08	4.23	3.67	2.96	5.07	2.75	2.69	2.55	3.80	3.12	3.80	2.52
24	3.90	4.76	3.71	2.88	4.43	2.76	2.69	2.56	4.08	3.12	2.91	2.52
25	3.89	5.57	5.40	3.00	3.98	2.76	2.69	2.56	4.51	2.97	2.76	2.52
26	3.77	4.12	5.88	3.05	3.33	2.77	2.69	2.56	6.34	2.60	2.76	2.52
27	3.84	3.77	6.54	3.07	3.47	2.79	2.69	2.56	6.78	2.60	2.61	2.52
28	4.16	5.67	6.47	2.94	3.37	2.80	2.69	2.56	6.76	2.60	2.70	2.52
29	4.16	6.36	6.41	2.89	3.36	3.72	2.69	2.56	7.06	2.60	3.48	2.52
30	4.09	5.57	6.37	2.91	---	3.76	2.69	2.73	7.04	2.60	3.82	2.52
31	3.81	---	6.32	2.92	---	5.76	---	2.52	---	2.81	4.25	---
MEAN	4.89	4.33	4.42	4.33	3.41	3.89	2.96	2.52	3.82	3.81	3.00	3.10
MAX	7.52	6.36	6.54	7.36	6.58	6.55	6.16	2.73	7.06	7.87	4.25	6.40
MIN	3.77	3.61	3.13	2.88	2.81	2.74	2.68	2.45	2.52	2.51	2.61	2.52

03324500 SALAMONIE RIVER AT DORA, IN—Continued

WATER-QUALITY RECORDS

INSTRUMENTATION.--Temperature recorder.

PERIOD OF RECORD.--

WATER TEMPERATURE.--October 1987 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 28.2°C, Aug. 4, 1997; minimum, -0.3°C, Jan. 7-8, 10, 1990; Jan. 4, 24-26, Dec. 11-13, 19-20, 1995; Jan. 24-28, 1996; Jan. 12-13, 19, 25-31, Feb. 1-10, 12, 1997; and Jan. 21-27, 29, 1999.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 24.9°C, July 21, minimum, 1.7°C, Jan. 14 - 16.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	17.7	17.2	17.4	13.2	12.7	12.9	5.4	5.3	5.4	3.4	2.8	3.2
2	17.2	17.1	17.2	12.8	12.7	12.7	5.3	5.0	5.1	4.2	3.4	3.7
3	17.1	16.9	17.0	13.0	12.7	12.8	5.0	4.6	4.8	4.7	4.2	4.6
4	16.9	16.6	16.8	13.2	12.8	13.0	4.6	4.3	4.4	4.7	4.7	4.7
5	16.6	16.5	16.6	13.2	12.8	13.0	4.3	4.0	4.1	5.2	4.7	4.9
6	16.5	16.3	16.3	13.1	13.0	13.1	4.1	3.9	4.0	5.2	4.5	4.8
7	16.3	16.1	16.2	13.1	12.9	13.0	3.9	3.6	3.8	4.5	3.6	4.0
8	16.1	15.9	16.0	12.9	12.5	12.7	3.6	3.4	3.5	3.6	2.6	3.1
9	15.9	15.7	15.8	12.5	12.1	12.3	3.6	3.4	3.5	2.7	2.5	2.6
10	15.8	15.7	15.7	12.1	11.9	11.9	3.7	3.4	3.6	2.5	2.2	2.3
11	15.7	14.9	15.3	11.9	11.8	11.9	4.3	3.4	3.9	2.3	2.1	2.2
12	14.9	14.7	14.8	11.8	11.3	11.6	5.0	4.3	4.8	2.1	1.9	2.0
13	15.0	14.8	14.9	11.3	10.9	11.2	4.9	4.5	4.7	1.9	1.8	1.8
14	15.1	14.8	14.9	10.9	10.3	10.6	4.5	4.4	4.4	1.8	1.7	1.7
15	15.4	14.9	15.1	10.3	9.9	10.1	4.4	3.9	4.2	1.7	1.7	1.7
16	15.5	15.4	15.4	9.9	9.4	9.6	3.9	3.6	3.8	1.8	1.7	1.8
17	15.5	15.3	15.4	9.5	9.3	9.4	3.6	3.3	3.5	1.9	1.8	1.8
18	15.3	15.2	15.3	10.1	9.5	9.8	3.3	3.1	3.2	1.9	1.8	1.9
19	15.3	15.1	15.2	10.1	9.7	9.8	3.1	2.8	3.0	2.1	1.8	1.9
20	15.3	15.1	15.2	9.8	9.5	9.7	2.8	2.4	2.6	2.1	2.0	2.0
21	15.2	15.0	15.1	9.9	9.5	9.6	2.4	2.1	2.2	2.1	2.0	2.1
22	15.0	14.9	15.0	10.4	9.9	10.1	2.2	2.1	2.1	2.1	1.9	2.0
23	14.9	14.6	14.7	11.0	10.4	10.7	2.3	2.1	2.2	2.1	1.9	2.0
24	14.7	14.5	14.6	10.8	10.1	10.5	2.4	2.1	2.2	2.4	2.0	2.1
25	14.6	14.3	14.4	10.1	9.2	9.6	2.4	2.1	2.3	2.1	1.9	2.0
26	14.3	14.0	14.2	9.2	9.0	9.1	2.3	2.2	2.3	2.1	2.0	2.1
27	14.0	13.7	13.9	9.0	8.0	8.6	2.5	2.3	2.4	2.2	2.0	2.1
28	13.7	13.4	13.6	8.0	7.2	7.5	2.6	2.4	2.5	2.4	2.0	2.2
29	13.4	13.0	13.2	7.5	5.9	6.6	2.6	2.6	2.6	2.3	2.0	2.1
30	13.3	12.9	13.1	5.9	5.4	5.5	2.6	2.6	2.6	2.3	2.0	2.1
31	13.3	13.1	13.2	---	---	---	2.8	2.6	2.6	2.3	2.0	2.1
MONTH	17.7	12.9	15.2	13.2	5.4	10.6	5.4	2.1	3.4	5.2	1.7	2.6

WABASH RIVER BASIN

03324500 SALAMONIE RIVER AT DORA, IN—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	2.4	2.1	2.2	3.7	3.3	3.5	11.0	10.0	10.6	15.7	15.0	15.4
2	2.4	2.1	2.3	4.3	3.7	3.9	11.2	11.0	11.2	15.5	14.6	15.0
3	2.3	2.1	2.3	5.5	4.3	4.9	11.5	11.2	11.4	16.0	14.5	15.0
4	2.6	2.1	2.3	6.1	5.5	5.9	11.5	11.3	11.3	16.6	14.3	15.2
5	2.4	2.2	2.3	7.4	6.0	6.6	11.4	11.0	11.2	17.1	15.0	15.8
6	2.5	2.4	2.4	8.2	7.4	7.8	11.5	11.0	11.2	17.7	15.0	16.1
7	2.5	2.4	2.4	8.9	8.2	8.6	11.8	11.1	11.5	15.8	15.1	15.5
8	2.5	2.3	2.4	9.0	8.9	9.0	11.6	11.1	11.4	18.1	14.9	16.3
9	2.6	2.3	2.4	9.0	8.6	8.8	12.5	11.2	11.8	17.9	15.6	16.6
10	2.6	2.3	2.4	8.7	8.4	8.6	12.7	11.4	11.9	17.8	15.7	16.5
11	2.7	2.2	2.4	8.6	8.0	8.4	12.3	11.5	11.8	17.6	15.8	16.4
12	2.7	2.3	2.4	8.0	7.3	7.6	12.0	11.5	11.7	18.1	15.8	16.7
13	2.5	2.3	2.4	7.5	7.1	7.3	11.6	11.0	11.3	16.9	15.8	16.3
14	2.8	2.3	2.4	7.3	7.1	7.2	12.3	10.9	11.4	16.8	15.7	16.2
15	2.7	2.2	2.4	7.3	6.8	7.0	12.6	11.0	11.8	15.8	15.3	15.6
16	2.8	2.2	2.5	6.8	6.5	6.7	13.7	11.9	12.7	17.6	15.4	16.2
17	2.9	2.3	2.5	6.5	6.3	6.4	13.9	12.4	13.0	17.0	15.6	16.2
18	3.0	2.3	2.6	6.6	6.2	6.4	13.9	12.1	13.0	16.4	15.7	16.0
19	3.0	2.5	2.7	6.8	6.3	6.5	14.2	12.3	13.5	17.1	15.7	16.3
20	2.6	2.5	2.5	6.9	6.3	6.6	14.7	12.5	13.7	16.7	15.9	16.2
21	2.5	2.3	2.4	6.5	6.0	6.3	15.7	13.7	15.0	17.1	15.9	16.4
22	2.3	2.0	2.1	6.8	5.8	6.1	14.3	13.6	14.0	17.9	15.8	16.5
23	2.0	1.9	1.9	6.8	5.8	6.2	14.9	13.9	14.3	17.0	15.9	16.4
24	1.9	1.8	1.8	6.8	6.3	6.6	15.6	13.8	14.7	17.3	15.7	16.3
25	2.0	1.9	2.0	7.4	6.7	7.1	16.3	14.4	15.5	17.8	15.6	16.5
26	2.3	2.0	2.2	8.0	7.4	7.7	15.4	14.1	14.6	17.8	15.8	16.5
27	2.6	2.2	2.4	8.1	7.4	7.7	14.5	14.1	14.3	17.5	15.8	16.4
28	2.9	2.5	2.7	9.9	8.1	9.2	15.8	14.3	15.0	17.7	15.9	16.5
29	3.3	2.8	3.1	9.7	8.4	8.9	16.2	15.1	15.6	17.9	15.7	16.7
30	---	---	---	9.2	8.4	8.8	16.3	15.4	15.8	18.0	16.0	16.8
31	---	---	---	10.0	8.9	9.3	---	---	---	18.0	16.3	17.1
MONTH	3.3	1.8	2.4	10.0	3.3	7.1	16.3	10.0	12.9	18.1	14.3	16.2
	JUNE			JULY			AUGUST			SEPTEMBER		
1	17.9	16.1	16.8	22.2	22.0	22.1	23.2	22.7	23.0	22.3	22.0	22.1
2	16.9	16.3	16.6	22.6	22.1	22.4	23.2	22.7	22.9	22.4	22.1	22.3
3	16.8	16.3	16.6	22.9	22.5	22.7	23.6	22.8	23.1	22.6	22.3	22.4
4	17.0	16.3	16.7	23.0	22.8	22.9	23.3	22.8	23.1	22.8	22.5	22.6
5	17.4	16.9	17.2	23.1	22.9	23.0	23.3	22.7	22.9	22.8	22.2	22.6
6	17.8	17.3	17.6	23.3	23.1	23.2	23.4	22.7	23.0	22.6	22.1	22.3
7	19.9	17.8	18.9	23.4	22.9	23.2	23.6	22.8	23.1	22.4	22.1	22.2
8	20.4	19.1	19.6	23.1	22.9	23.0	24.4	23.1	23.5	22.4	22.0	22.2
9	20.4	19.3	19.7	23.4	23.0	23.2	24.0	22.8	23.3	22.3	22.0	22.1
10	19.8	19.4	19.6	23.2	22.9	23.1	23.5	22.9	23.1	23.1	22.0	22.4
11	19.8	19.4	19.6	23.4	23.0	23.1	23.8	22.6	23.1	22.9	22.0	22.3
12	20.1	19.2	19.7	23.9	23.0	23.3	23.2	22.4	22.8	22.9	21.9	22.3
13	20.5	19.4	19.8	24.8	23.1	23.6	23.3	22.4	22.8	23.0	22.0	22.3
14	20.5	19.5	20.0	24.4	22.8	23.3	23.3	22.2	22.7	23.0	21.8	22.2
15	20.5	19.7	20.1	24.7	22.6	23.4	23.5	22.3	22.7	23.1	21.8	22.3
16	20.0	19.8	19.9	24.7	22.7	23.4	23.7	22.2	22.8	22.8	21.8	22.2
17	20.7	19.6	20.1	24.6	22.7	23.4	23.5	22.3	22.8	22.6	21.5	21.9
18	20.1	19.2	19.7	24.4	22.7	23.4	23.3	22.5	22.8	22.8	21.2	21.8
19	20.6	19.9	20.1	24.6	22.6	23.4	22.7	22.4	22.6	22.8	21.2	21.8
20	20.8	19.9	20.3	24.6	22.6	23.4	22.5	22.3	22.4	22.8	21.2	21.8
21	20.7	20.0	20.3	24.9	22.8	23.6	22.6	22.3	22.4	22.9	21.1	21.9
22	20.2	18.5	19.2	23.3	22.7	23.0	22.6	22.4	22.5	22.9	21.2	21.9
23	19.3	18.5	19.0	23.2	22.6	22.9	22.6	22.3	22.4	22.8	21.3	22.0
24	20.0	19.3	19.7	23.3	22.6	22.9	22.7	22.0	22.4	22.6	21.5	21.9
25	20.5	20.0	20.3	23.6	22.7	23.2	22.9	22.4	22.6	22.6	21.3	21.8
26	21.0	20.4	20.8	23.5	23.1	23.3	23.1	22.3	22.5	21.9	21.1	21.4
27	21.4	21.0	21.3	23.5	23.0	23.1	22.9	22.2	22.5	22.2	20.8	21.4
28	21.5	21.4	21.5	24.6	22.9	23.6	23.1	22.2	22.4	21.4	20.7	21.0
29	21.7	21.5	21.6	24.2	23.0	23.5	22.3	21.9	22.1	21.4	20.3	20.8
30	22.0	21.7	21.9	23.5	23.1	23.3	22.2	21.9	22.0	21.4	20.0	20.5
31	---	---	---	23.8	23.2	23.4	22.2	21.9	22.1	---	---	---
MONTH	22.0	16.1	19.5	24.9	22.0	23.2	24.4	21.9	22.7	23.1	20.0	22.0
YEAR	24.9	1.7	13.2									

03325000 WABASH RIVER AT WABASH, IN

LOCATION.--Lat 40°47'27", long 85°49'13", in SE¼NW¼ sec.14, T.27 N., R.6 E., Wabash County, Hydrologic Unit 05120101, (WABASH, IN quadrangle), on right bank on upstream side of Wabash Street bridge in Wabash, 0.3 mi upstream of Huntington Road bridge, 7.1 mi downstream from Salamonie River, and at mile 387.2.

DRAINAGE AREA.--1,768 mi².

PERIOD OF RECORD.--August 1923 to current year. Monthly discharge only for some periods, published in WSP 1305.

REVISED RECORDS.--WSP 1275: 1931-37(M), 1938-39, 1940(M), WSP 1385: 1942. WSP 1505: 1955. WSP 2109: Drainage area. WDR IN-84-1: 1983.

GAGE.--Water-stage recorder. Datum of gage is 642.66 ft above National Geodetic Vertical Datum of 1929. Prior to Sept. 30, 1954, nonrecording gage at same site and datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by Salamonie Lake beginning April 1967 and by Huntington Lake beginning October 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 28.7 ft Mar. 26, 1913, from floodmark, determined by U.S. Army Corps of Engineers, discharge, 90,000 ft³/s, from rating curve extended above 49,000 ft³/s.

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	4,740	939	4,010	4,440	e680	2,440	4,040	239	4,520	4,810	876	4,840
2	4,370	1,030	2,990	3,110	e660	5,440	3,120	405	3,920	4,080	1,110	4,770
3	3,950	1,150	1,900	2,480	e640	6,380	e1,700	813	3,210	4,230	695	3,370
4	4,270	1,090	1,300	5,050	e660	5,520	e1,300	1,180	2,300	4,420	645	3,530
5	4,670	908	984	7,390	e600	7,050	e1,030	1,080	1,800	4,100	1,860	2,970
6	4,550	967	1,150	5,940	e560	6,550	832	707	1,090	3,600	1,330	1,090
7	4,770	858	1,180	6,870	e580	6,370	549	430	817	2,690	966	1,080
8	4,740	831	1,270	7,800	e540	6,380	502	914	543	1,490	443	1,440
9	4,230	814	1,650	7,810	e520	5,730	414	671	454	1,130	340	1,060
10	3,800	733	4,760	7,690	e500	3,130	402	511	411	782	397	849
11	2,130	744	6,900	7,150	e520	2,140	396	412	2,770	657	396	e426
12	918	794	e5,200	6,350	e530	1,470	376	412	5,830	396	350	e346
13	1,010	1,230	e3,800	5,240	e540	1,260	364	403	5,780	326	e308	e364
14	1,170	1,680	2,790	4,110	e520	1,050	340	366	8,840	345	e286	e316
15	2,320	1,410	1,820	3,240	e480	952	363	348	6,430	334	e238	e286
16	3,410	1,140	1,280	2,420	e500	883	360	339	5,020	273	e218	e328
17	3,350	854	1,270	1,690	e520	615	331	327	4,470	226	e210	e360
18	2,320	815	1,230	e1,170	e500	580	322	419	4,620	214	e235	e338
19	1,660	2,590	1,290	e1,000	e490	595	319	589	4,420	216	e506	e280
20	1,390	3,290	1,060	e860	e1,200	609	252	1,320	4,550	238	644	e216
21	1,320	3,320	877	e760	5,660	618	245	2,110	4,740	234	2,640	e212
22	1,130	2,580	825	e700	5,890	e600	289	2,230	4,850	1,080	2,560	e218
23	1,070	1,600	3,010	e660	5,670	e590	288	1,370	4,860	1,950	1,450	e226
24	1,030	2,130	5,820	e630	4,360	e595	251	3,130	4,850	1,270	820	e220
25	964	3,000	6,420	e680	2,870	618	246	2,310	4,660	616	568	e206
26	946	2,480	6,950	e740	2,140	794	234	1,050	4,190	429	406	e212
27	948	1,790	7,080	e840	1,710	2,260	245	785	4,780	372	311	e210
28	1,030	2,150	6,500	e780	1,650	3,590	235	539	4,910	379	1,080	e202
29	1,130	4,680	6,120	e740	1,550	4,020	225	425	4,460	356	3,790	e200
30	1,120	5,160	5,930	e720	---	3,700	223	741	4,710	308	4,420	e210
31	1,090	---	5,440	e700	---	3,580	---	7,010	---	353	4,630	---
TOTAL	75,546	52,757	102,806	99,760	43,240	86,109	19,793	33,585	118,805	41,904	34,728	30,375
MEAN	2,437	1,759	3,316	3,218	1,491	2,778	660	1,083	3,960	1,352	1,120	1,012
MAX	4,770	5,160	7,080	7,810	5,890	7,050	4,040	7,010	8,840	4,810	4,630	4,840
MIN	918	733	825	630	480	580	223	239	411	214	210	200
CFSM	1.38	0.99	1.88	1.82	0.84	1.57	0.37	0.61	2.24	0.76	0.63	0.57
IN.	1.59	1.11	2.16	2.10	0.91	1.81	0.42	0.71	2.50	0.88	0.73	0.64

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 2004, BY WATER YEAR (WY)

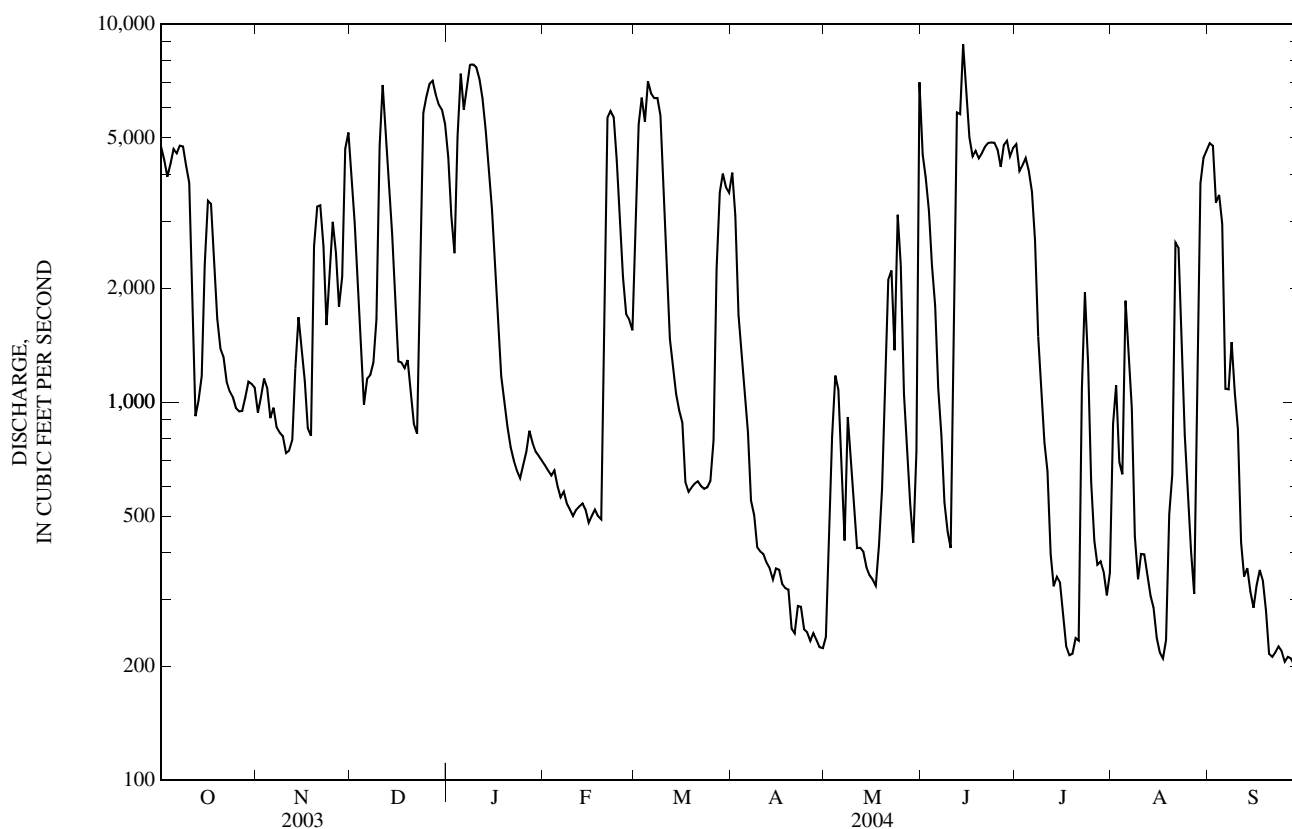
MEAN	655	988	1,743	2,188	2,418	3,049	2,632	1,662	1,445	922	569	543
MAX	3,667	5,044	5,829	13,260	7,764	8,144	11,060	10,410	8,260	7,253	4,887	5,676
(WY)	(2002)	(1993)	(1968)	(1950)	(1959)	(1982)	(1957)	(1943)	(1958)	(2003)	(1998)	(1926)
MIN	32.3	61.7	56.0	72.8	114	177	264	135	78.3	55.4	43.4	29.9
(WY)	(1964)	(1965)	(1964)	(1977)	(1964)	(1941)	(1971)	(1941)	(1988)	(1934)	(1941)	(1941)

WABASH RIVER BASIN

03325000 WABASH RIVER AT WABASH, IN—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1924 - 2004	
ANNUAL TOTAL	1,119,264		739,408		1,565	
ANNUAL MEAN	3,066		2,020		2,994	
HIGHEST ANNUAL MEAN					276	
LOWEST ANNUAL MEAN					47,800	
HIGHEST DAILY MEAN	13,500	Jul 7	8,840	Jun 14	17	May 18, 1943
LOWEST DAILY MEAN	192	Apr 30	e 200	Sep 29	18	Aug 3, 1934
ANNUAL SEVEN-DAY MINIMUM	219	Apr 25	e 209	Sep 24	49,600	May 18, 1943
MAXIMUM PEAK FLOW			9,700	Jan 5	24.44	Feb 11, 1959
MAXIMUM PEAK STAGE			13.41	Jan 5	0.885	
ANNUAL RUNOFF (CFSM)	1.73		1.14		12.02	
ANNUAL RUNOFF (INCHES)	23.55		15.56		4,660	
10 PERCENT EXCEEDS	7,070		5,080		544	
50 PERCENT EXCEEDS	2,310		1,080		90	
90 PERCENT EXCEEDS	400		302			

e Estimated



03325500 MISSISSINEWA RIVER NEAR RIDGEVILLE, IN

LOCATION.--Lat 40°16'48", long 84°59'33", in NW¼NW¼ sec.17, T.21 N., R.14 E., Randolph County, Hydrologic Unit 05120103, (DEERFIELD, IN quadrangle), on left bank 800 ft upstream from county road bridge, 0.6 mi downstream from Mud Creek, 2 mi east of Ridgeville, and at mile 99.7.

DRAINAGE AREA.--133 mi².

PERIOD OF RECORD.--August 1946 to current year.

REVISED RECORDS.--WSP 1235: 1948. WSP 1335: 1953. WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 965.28 ft above National Geodetic Vertical Datum of 1929 (levels by State of Indiana, Department of Natural Resources). Prior to Oct. 5, 1950, nonrecording gage at site 800 ft downstream, at same datum. Oct. 5, 1950 to Oct. 15, 1994, water-stage recorder, at site 800 ft downstream, at same datum.

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

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

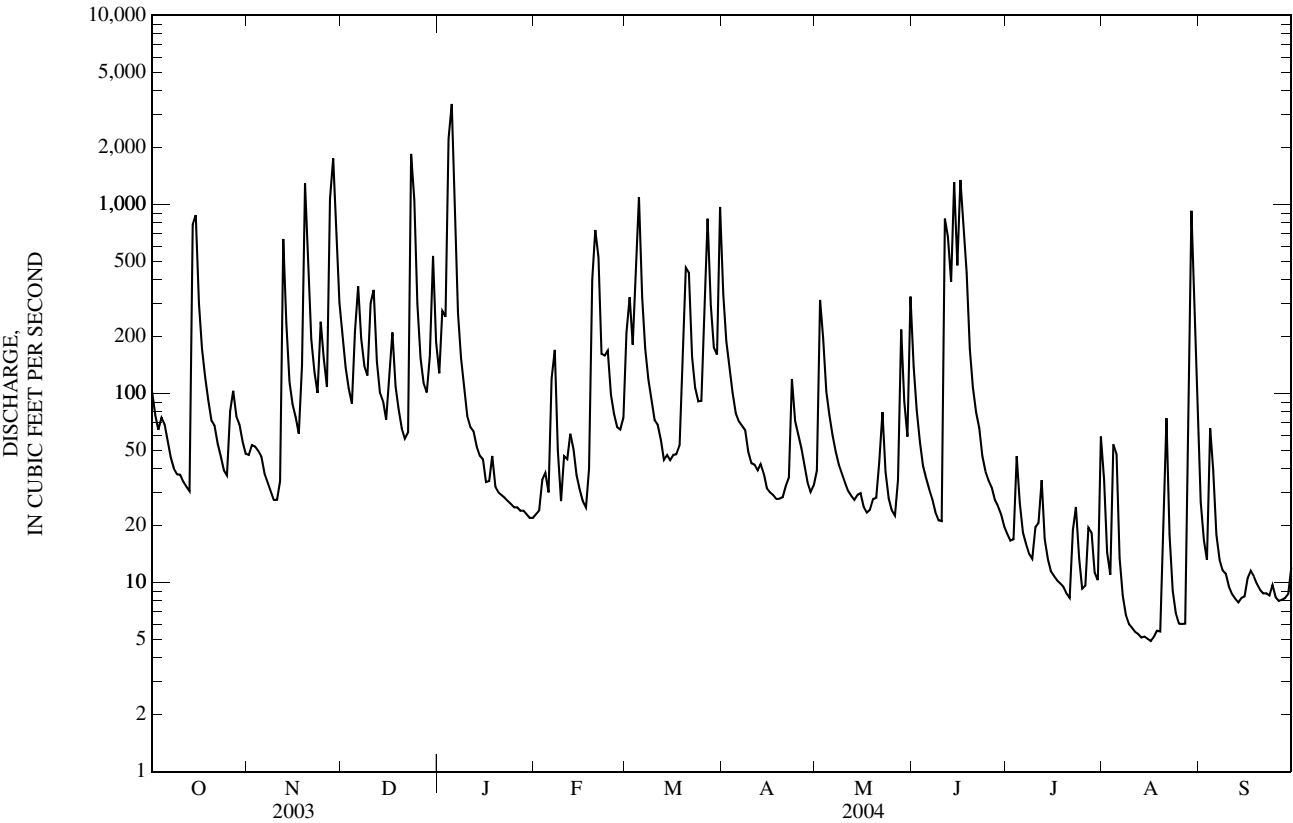
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	102	47	201	128	e23	211	335	39	138	18	35	27
2	77	53	137	274	e24	324	189	312	82	17	14	17
3	64	52	106	255	e35	181	137	197	56	17	11	13
4	75	50	88	2,230	e38	462	101	102	42	47	54	65
5	69	46	212	3,400	e30	1,090	79	77	36	26	48	39
6	55	38	368	852	e120	324	71	60	31	18	14	18
7	46	34	195	266	e170	173	68	50	28	16	8.5	13
8	40	30	140	154	e50	118	64	42	24	14	6.8	12
9	37	27	124	109	e27	93	49	38	21	13	6.0	11
10	37	27	301	76	47	72	43	34	21	20	5.8	9.5
11	34	34	353	66	45	68	42	31	841	21	5.5	8.7
12	32	656	147	63	61	57	39	29	673	35	5.3	8.2
13	30	236	101	52	51	45	42	27	391	17	5.1	7.9
14	782	115	91	47	e37	47	38	29	1,310	13	5.2	8.3
15	878	88	73	45	e31	44	31	30	476	11	5.0	8.4
16	299	75	119	34	e27	47	30	25	1,350	11	4.9	11
17	173	61	210	34	e25	48	29	23	802	10	5.2	12
18	122	141	109	47	e40	53	28	24	437	9.9	5.6	11
19	92	1,290	82	e32	e400	146	28	28	172	9.5	5.5	9.8
20	72	413	65	e30	732	463	28	28	108	8.8	28	9.2
21	68	194	58	e29	525	436	32	44	80	8.3	74	8.8
22	54	130	62	e28	162	156	36	80	66	19	18	8.8
23	47	101	1,850	e27	159	108	119	39	47	25	9.0	8.5
24	39	240	1,060	e26	169	91	72	28	39	14	6.9	9.7
25	37	153	299	e25	98	91	61	24	35	9.3	6.1	8.4
26	81	108	154	e25	78	340	51	23	32	9.6	6.0	8.0
27	103	1,070	114	e24	66	841	42	35	27	20	6.1	8.1
28	76	1,750	101	e24	64	294	34	218	25	18	57	8.3
29	69	672	158	e23	75	176	30	91	23	11	925	8.7
30	56	302	534	e22	---	161	33	59	20	10	204	12
31	48	---	188	e22	---	969	---	326	---	59	64	---
TOTAL	3,794	8,233	7,800	8,469	3,409	7,729	1,981	2,192	7,433	555.4	1,654.5	408.3
MEAN	122	274	252	273	118	249	66.0	70.7	248	17.9	53.4	13.6
MAX	878	1,750	1,850	3,400	732	1,090	335	326	1,350	59	925	65
MIN	30	27	58	22	23	44	28	23	20	8.3	4.9	7.9
CFSM	0.92	2.06	1.89	2.05	0.88	1.87	0.50	0.53	1.86	0.13	0.40	0.10
IN.	1.06	2.30	2.18	2.37	0.95	2.16	0.55	0.61	2.08	0.16	0.46	0.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2004, BY WATER YEAR (WY)

	MEAN	35.8	93.7	149	179	202	248	219	128	146	102	37.6	35.5
MAX	314	729	872	865	548	714	810	371	1,417	709	454	384	
(WY)	(2002)	(1994)	(1991)	(1950)	(1950)	(1978)	(1964)	(2002)	(1958)	(1979)	(1979)	(2003)	
MIN	1.25	1.82	2.62	3.25	5.00	46.1	25.8	15.3	6.52	2.37	2.13	0.99	
(WY)	(1947)	(1954)	(1964)	(1977)	(1964)	(1957)	(1976)	(1988)	(1988)	(1952)	(1983)	(1954)	

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1947 - 2004	
ANNUAL TOTAL	81,247.6		53,658.2		131	
ANNUAL MEAN	223		147		223	
HIGHEST ANNUAL MEAN					29.8	
LOWEST ANNUAL MEAN					1958	
HIGHEST DAILY MEAN	4,120	Jul 9	3,400	Jan 5	11,300	Jun 10, 1958
LOWEST DAILY MEAN	8.6	Aug 28	4.9	Aug 16	0.10	Oct 24, 1946
ANNUAL SEVEN-DAY MINIMUM	9.1	Aug 23	5.2	Aug 11	0.23	Oct 5, 1946
MAXIMUM PEAK FLOW			4,120	Jan 5	13,900	Jun 10, 1958
MAXIMUM PEAK STAGE			14.01	Jan 5	16.25	Jun 10, 1958
ANNUAL RUNOFF (CFSM)	1.67		1.10		0.983	
ANNUAL RUNOFF (INCHES)	22.72		15.01		13.36	
10 PERCENT EXCEEDS	501		329		278	
50 PERCENT EXCEEDS	69		47		29	
90 PERCENT EXCEEDS	21		9.5		3.9	

e Estimated



03326500 MISSISSINEWA RIVER AT MARION, IN

LOCATION.--Lat 40°34'35", long 85°39'36", in SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.31, T.25 N., R.8 E., Grant County, Hydrologic Unit 05120103, (MARION, IN quadrangle), on left bank 12 ft downstream from Highland Avenue bridge in Marion, 0.1 mi downstream from old mill dam, 1.0 mi upstream from Hummel Creek, 4.6 mi downstream from Lugar Creek, and at mile 35.8.

DRAINAGE AREA.--682 mi².

PERIOD OF RECORD.--September 1923 to current year. Monthly discharge only for some periods, published in WSP 1305.

REVISED RECORDS.--WSP 1335: 1927(M). WSP 1385: 1948. WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 774.56 ft above National Geodetic Vertical Datum of 1929. Prior to Dec. 9, 1933, nonrecording gage at same site and datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow periodically regulated by dam 0.1 mile above station. 1930 water year not used in summary statistics.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1913 reached a stage of 19.20 ft from information by State of Indiana, Department of Natural Resources.

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	763	397	1,040	970	e157	1,070	2,300	228	1,680	177	279	349
2	595	473	763	752	e157	2,180	1,220	349	743	164	177	216
3	510	414	618	945	206	1,450	777	467	468	159	157	213
4	476	378	546	5,770	e198	1,330	599	586	343	170	196	203
5	444	352	539	11,000	221	4,780	490	401	272	167	143	144
6	419	317	837	8,720	223	3,480	418	313	235	183	128	121
7	383	292	1,190	3,940	222	1,540	378	273	209	172	153	160
8	351	267	870	e1,290	e254	909	355	241	187	144	115	166
9	333	243	971	e852	e277	667	324	219	167	136	93	123
10	318	228	1,390	e618	e225	532	291	207	158	181	88	98
11	302	237	2,490	e534	e195	463	265	196	2,480	172	81	88
12	286	829	1,560	493	217	403	250	196	6,900	204	73	80
13	271	1,910	846	468	221	353	244	192	5,100	215	68	74
14	338	1,030	648	429	e201	325	237	197	3,100	168	66	71
15	1,390	625	563	399	e193	311	225	254	2,560	144	65	68
16	2,070	514	519	363	e180	309	213	349	2,120	123	66	65
17	987	454	589	345	e173	311	200	257	5,220	114	67	61
18	638	477	712	367	e169	318	194	278	3,740	104	103	60
19	519	1,720	568	343	e243	416	185	423	1,570	100	90	58
20	448	2,370	482	e253	e1,570	565	196	399	846	98	214	57
21	391	1,540	426	e226	3,230	1,120	212	490	597	92	492	54
22	361	796	409	e196	1,580	1,150	247	764	491	117	393	54
23	329	615	3,050	e173	934	625	529	494	400	123	238	53
24	311	1,200	6,680	e166	858	491	464	426	336	122	149	51
25	288	1,560	4,480	e162	709	437	436	325	304	110	111	50
26	300	927	1,530	e157	552	964	364	252	267	101	97	52
27	366	700	948	e157	459	3,210	302	247	237	98	89	50
28	419	2,240	785	e157	409	2,440	262	366	215	98	123	49
29	409	3,790	815	e159	398	1,230	233	702	200	100	570	50
30	359	2,360	1,900	e157	---	898	215	491	184	109	1,540	50
31	324	---	1,740	e157	---	2,180	---	1,530	---	295	700	---
TOTAL	15,698	29,255	40,504	40,718	14,631	36,457	12,625	12,112	41,329	4,460	6,924	2,988
MEAN	506	975	1,307	1,313	505	1,176	421	391	1,378	144	223	99.6
MAX	2,070	3,790	6,680	11,000	3,230	4,780	2,300	1,530	6,900	295	1,540	349
MIN	271	228	409	157	157	309	185	192	158	92	65	49
CFSM	0.74	1.43	1.92	1.93	0.74	1.72	0.62	0.57	2.02	0.21	0.33	0.15
IN.	0.86	1.60	2.21	2.22	0.80	1.99	0.69	0.66	2.25	0.24	0.38	0.16

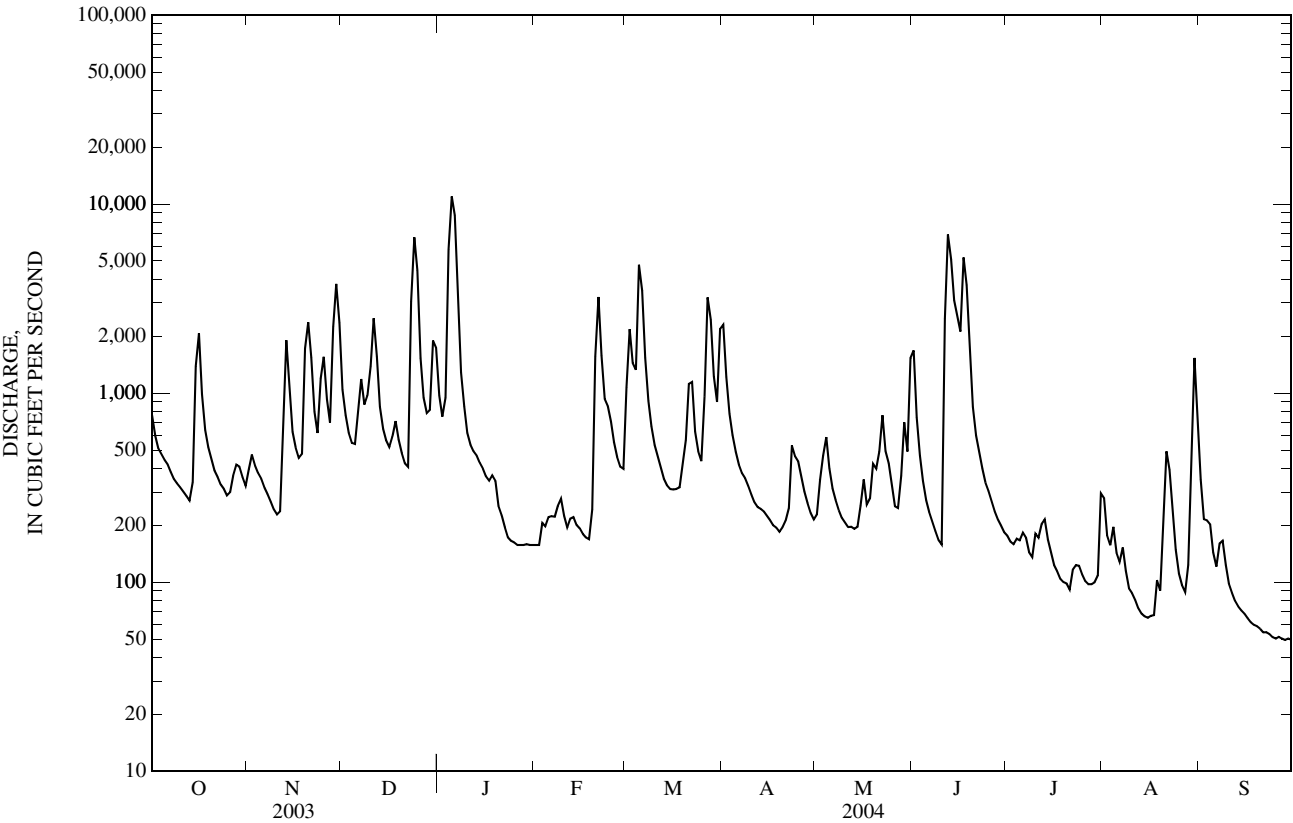
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 2004, BY WATER YEAR (WY)

MEAN	199	409	695	896	941	1,244	1,124	737	642	430	209	244
MAX	2,259	2,626	2,947	5,129	2,707	3,181	3,699	3,776	4,765	3,308	1,522	4,223
(WY)	(2002)	(1993)	(1991)	(1930)	(1990)	(1982)	(1964)	(1933)	(1958)	(2003)	(1998)	(1926)
MIN	22.8	28.0	36.9	36.1	52.5	65.3	123	40.5	49.3	32.6	25.4	24.1
(WY)	(1929)	(1929)	(1964)	(1945)	(1964)	(1941)	(1941)	(1941)	(1988)	(1936)	(1940)	(1940)

03326500 MISSISSINEWA RIVER AT MARION, IN—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1924 - 2004	
ANNUAL TOTAL	440,430		257,701		639	
ANNUAL MEAN	1,207		704		1,167	
HIGHEST ANNUAL MEAN					106	
LOWEST ANNUAL MEAN					23,400	
HIGHEST DAILY MEAN	17,300	Jul 10	11,000	Jan 5	25,000	Jun 11, 1958
LOWEST DAILY MEAN	130	Aug 28	49	Sep 28	3.4	Oct 25, 1968
ANNUAL SEVEN-DAY MINIMUM	146	Aug 22	50	Sep 24	8.4	Oct 17, 1940
MAXIMUM PEAK FLOW			11,700	Jan 5	17.40	Mar 21, 1927
MAXIMUM PEAK STAGE			11.21	Jan 5	0.936	
ANNUAL RUNOFF (CFSM)	1.77		1.03		12.72	
ANNUAL RUNOFF (INCHES)	24.02		14.06		1,500	
10 PERCENT EXCEEDS	2,630		1,570		204	
50 PERCENT EXCEEDS	477		331		49	
90 PERCENT EXCEEDS	189		98			

e Estimated



LOCATION.--Lat 40°43'24", long 85°57'27", in SW¼SW¼ sec.3, T.26 N., R.5 E., Miami County, Hydrologic Unit 05120103, (PEORIA, IN quadrangle), on right bank at Peoria, 0.6 mi downstream from Mississinewa Lake, 6.5 mi southeast of Peru, and 6.7 mi upstream from mouth.

PERIOD OF RECORD.--October 1952 to September 1976 (discharge). October 1976 to September 2001 (discharge provided by U.S. Army Corps of Engineers). October 2001 to current year (stage only).

GAGE.—Water-stage recorder. Datum of gage is 660.00 ft above National Geodetic Vertical Datum of 1929. Oct. 1, 1962, to Sept. 30, 1974, water-stage recorder site described in "LOCATION" paragraph. Prior to Oct. 7, 1954, nonrecording gage and crest-stage gage on highway bridge 2,500 ft upstream, and Oct. 7, 1954, to Sept. 30, 1962, water-stage recorder on right bank at site 2,500 ft upstream at same datum.

EXTREMES FOR PERIOD OF RECORD:--(October 2001 to current year) maximum gage height, 9.23 ft, July 10, 2003; minimum gage height, -0.53 ft, Nov. 21, 2002. (October 1952 to September 1976) maximum discharge, 28,000 ft³/s, June 11, 1958; maximum gage height, 19.26 ft, June 11, 1958 site then in use; minimum discharge, zero flow, Sept. 11 to Oct. 2, 1985. Oct. 21 to Nov. 22, 1992.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.60	1.93	5.14	4.05	1.14	2.35	6.76	1.77	5.05	1.75	1.97	2.34
2	3.00	2.35	2.93	2.88	1.14	5.23	4.85	1.77	5.69	1.66	1.61	1.87
3	2.70	2.22	2.93	2.98	1.14	5.21	3.21	1.93	1.95	1.41	1.41	1.66
4	1.92	1.95	2.52	4.97	1.14	4.50	3.43	2.71	1.95	1.65	1.41	1.97
5	2.83	1.97	2.52	6.21	1.15	7.07	2.66	2.61	1.95	1.65	1.41	1.97
6	2.71	1.97	2.30	7.90	1.15	7.81	2.22	2.57	1.95	1.65	1.41	1.97
7	2.59	1.97	3.62	8.19	1.15	4.10	2.22	2.06	1.95	1.65	1.41	1.97
8	2.46	1.65	3.60	8.06	1.15	4.09	0.98	2.06	1.50	1.65	1.41	1.97
9	2.33	1.65	2.66	6.16	1.15	2.49	0.98	1.78	1.51	1.65	1.70	1.97
10	2.11	1.65	4.06	5.43	1.15	2.65	0.98	1.78	1.57	1.65	1.63	1.26
11	2.37	1.65	6.08	5.37	1.94	2.74	0.98	1.78	5.61	1.65	1.52	1.27
12	2.36	2.64	4.81	5.29	1.94	2.37	0.99	1.78	4.42	1.65	1.52	1.27
13	2.24	5.14	2.66	4.86	1.94	2.37	0.99	1.78	5.29	1.65	1.27	1.27
14	2.25	3.19	3.17	4.07	1.73	1.89	0.93	1.78	3.53	1.65	1.27	1.27
15	4.09	2.66	2.54	4.02	1.73	1.89	0.93	1.78	5.38	1.65	1.09	1.27
16	5.22	2.16	2.54	3.77	1.73	0.89	0.93	1.78	7.46	1.49	1.09	1.27
17	3.22	2.16	2.36	3.71	1.73	0.89	0.93	1.78	8.41	1.31	1.14	1.27
18	2.69	2.17	2.65	3.47	1.73	0.89	0.93	2.02	8.60	1.09	1.11	0.79
19	2.57	4.07	2.65	2.10	1.74	0.89	0.94	2.73	8.47	1.09	2.05	0.79
20	2.10	5.45	2.37	2.10	4.47	0.89	0.94	2.73	7.24	1.09	1.67	0.79
21	2.10	4.07	2.36	2.10	6.45	0.90	0.94	2.72	5.86	1.38	2.41	0.79
22	2.10	2.93	2.14	2.09	5.21	0.90	0.95	3.29	5.43	1.61	2.41	1.25
23	2.10	2.93	4.82	1.13	3.21	0.91	0.95	3.29	3.78	1.61	1.50	1.29
24	1.63	2.94	7.94	1.13	3.43	0.91	3.27	2.74	2.02	1.60	1.50	1.29
25	1.63	4.44	7.95	1.13	3.18	0.91	2.43	2.73	2.02	1.60	1.50	1.29
26	1.99	3.62	7.23	1.13	2.56	0.93	2.43	2.07	2.02	1.40	1.50	1.29
27	1.98	3.19	3.19	1.13	2.56	5.86	2.43	2.07	2.02	1.23	1.50	0.88
28	2.22	3.64	3.42	1.13	2.11	5.85	1.95	2.07	2.02	1.23	1.53	0.89
29	2.21	5.85	3.42	1.14	2.21	6.44	1.77	2.73	1.75	1.23	2.74	1.50
30	1.99	5.85	4.26	1.14	---	6.93	1.77	2.75	1.75	1.24	4.71	1.80
31	1.99	---	4.79	1.14	---	6.84	---	3.78	---	1.60	3.82	---
MEAN	2.59	3.00	3.73	3.55	2.17	3.18	1.89	2.30	3.94	1.50	1.75	1.42
MAX	6.60	5.85	7.95	8.19	6.45	7.81	6.76	3.78	8.60	1.75	4.71	2.34
MIN	1.63	1.65	2.14	1.13	1.14	0.89	0.93	1.77	1.50	1.09	1.09	0.79

03327000 MISSISSINEWA RIVER AT PEORIA, IN—Continued

WATER-QUALITY RECORDS

INSTRUMENTATION.--Temperature recorder.

PERIOD OF RECORD.--

WATER TEMPERATURE.--October 1987 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 29.1°C, Aug. 4, 2002; minimum, -0.3°C, Jan. 27-31, 1996.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 28.3°C, July 21, minimum, 1.1°C, Feb. 22.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	16.3	15.7	16.0	12.6	11.9	12.2	6.7	5.7	6.1	4.4	3.4	3.7
2	15.7	15.0	15.5	12.8	12.2	12.4	6.9	5.4	5.7	5.5	3.8	4.3
3	15.0	14.4	14.6	13.2	12.5	12.7	5.4	4.8	5.0	5.0	4.7	4.9
4	14.6	13.8	14.3	13.8	13.0	13.4	5.1	4.5	4.7	5.5	4.7	4.9
5	14.7	13.8	14.1	14.1	12.3	13.0	4.5	4.3	4.4	6.1	5.0	5.6
6	14.3	13.6	13.9	13.2	12.5	13.0	4.6	4.2	4.4	5.6	3.9	4.7
7	14.5	13.7	14.0	12.9	12.3	12.5	4.4	4.1	4.3	3.9	3.0	3.4
8	14.6	13.9	14.1	12.8	11.6	12.2	4.3	4.0	4.1	3.0	2.1	2.5
9	14.6	13.9	14.1	12.3	11.2	11.6	5.4	4.0	4.2	3.1	1.8	2.1
10	15.2	14.1	14.5	12.0	11.0	11.4	4.5	4.3	4.4	2.8	1.6	1.9
11	15.1	14.3	14.6	12.0	11.5	11.7	4.3	4.1	4.2	2.0	1.8	1.9
12	14.7	14.1	14.4	11.5	9.5	10.8	4.9	4.1	4.3	2.0	1.7	1.9
13	15.8	14.6	15.2	11.0	10.3	10.7	5.4	4.1	4.4	2.6	1.7	1.9
14	15.6	14.4	15.1	10.6	9.9	10.2	4.4	4.2	4.3	3.2	1.9	2.0
15	15.6	14.8	15.2	10.3	9.7	9.8	5.1	4.0	4.2	1.9	1.8	1.9
16	15.6	15.3	15.5	10.1	9.4	9.6	4.1	3.8	4.0	2.3	1.8	2.0
17	15.3	14.5	14.9	10.0	9.4	9.7	3.8	3.3	3.5	2.1	2.0	2.0
18	14.6	13.9	14.3	10.5	9.9	10.2	3.3	3.1	3.2	2.3	1.9	2.0
19	15.2	14.1	14.4	10.4	9.8	10.1	3.2	2.7	2.9	3.5	1.8	2.1
20	14.7	14.0	14.2	10.0	9.7	9.8	2.9	2.3	2.5	2.1	1.8	1.9
21	14.4	13.7	14.1	11.1	9.7	10.3	2.5	2.1	2.3	2.2	1.7	1.9
22	14.1	13.7	13.9	11.5	11.0	11.1	2.8	2.3	2.5	2.3	1.7	1.9
23	14.5	13.7	14.0	11.9	11.5	11.7	2.7	2.3	2.5	3.4	1.7	2.1
24	14.6	13.6	14.0	11.6	10.2	10.8	2.4	2.0	2.2	3.0	1.7	2.1
25	13.9	13.6	13.7	10.2	9.5	9.8	3.0	2.4	2.7	2.0	1.4	1.6
26	13.9	13.1	13.5	9.8	9.4	9.5	3.9	3.0	3.2	2.0	1.4	1.7
27	13.2	12.6	12.9	9.5	8.9	9.2	4.4	3.0	3.6	2.4	1.7	2.0
28	12.6	12.4	12.5	8.9	7.9	8.3	3.8	2.9	3.6	2.5	1.7	1.9
29	12.8	12.1	12.4	8.1	7.0	7.5	3.7	3.4	3.5	2.1	1.6	1.8
30	12.9	11.8	12.2	7.0	6.3	6.6	3.5	3.0	3.2	2.3	1.6	1.8
31	12.7	12.2	12.5	---	---	---	3.4	3.0	3.2	2.1	1.5	1.7
MONTH	16.3	11.8	14.1	14.1	6.3	10.7	6.9	2.0	3.8	6.1	1.4	2.5

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	2.3	1.6	1.8	4.4	3.5	3.8	11.1	10.4	10.8	15.5	14.8	15.2
2	2.2	1.7	1.9	4.0	3.8	3.9	11.2	10.8	11.0	16.0	14.4	15.0
3	2.1	1.7	1.9	5.1	4.0	4.6	10.9	10.2	10.6	15.4	14.3	14.7
4	2.9	1.6	2.1	5.6	4.3	5.2	10.8	10.2	10.5	15.2	14.4	14.7
5	2.1	1.6	1.8	7.2	4.5	5.9	10.7	9.9	10.3	14.9	14.3	14.6
6	2.3	1.8	2.0	8.3	7.2	7.8	10.6	9.8	10.0	21.0	13.4	15.7
7	2.7	1.8	2.1	8.7	8.3	8.4	11.8	10.0	10.7	16.8	15.5	16.0
8	2.5	1.5	1.9	8.3	8.0	8.2	11.3	9.6	10.7	17.4	15.8	16.4
9	2.8	1.4	2.0	8.1	7.7	7.9	12.4	9.4	10.6	17.1	15.5	16.4
10	2.7	1.7	2.0	8.4	7.6	8.0	12.6	9.8	10.8	17.1	15.9	16.4
11	2.2	1.5	1.7	8.1	7.3	7.8	12.8	9.9	11.0	17.2	15.9	16.5
12	2.4	1.5	1.8	7.5	6.5	7.0	11.1	9.6	10.4	17.4	16.0	16.5
13	2.1	1.5	1.7	7.5	6.3	6.8	10.6	9.8	10.2	17.0	16.0	16.4
14	3.3	1.4	1.9	7.3	6.3	6.6	13.6	9.4	11.0	16.8	15.9	16.4
15	2.6	1.4	1.8	7.4	6.1	6.6	13.7	9.7	11.3	16.7	15.6	16.2
16	2.6	1.5	1.8	6.9	5.9	6.4	14.2	10.6	11.8	17.9	16.3	16.9
17	3.1	1.6	2.0	6.1	5.8	6.0	14.3	11.2	12.3	17.9	16.4	17.0
18	3.0	1.6	2.1	6.6	5.2	6.0	15.1	11.2	12.4	17.6	16.6	17.1
19	3.0	1.8	2.2	7.8	5.7	6.5	14.3	11.6	12.6	18.1	17.1	17.7
20	2.0	1.8	1.9	7.9	5.7	6.7	13.8	11.1	12.3	18.2	17.6	17.9
21	1.8	1.3	1.6	6.2	4.8	5.6	14.9	12.0	13.1	19.1	17.8	18.6
22	1.8	1.1	1.3	8.1	4.7	6.0	13.7	11.8	12.9	19.8	18.7	19.2
23	2.1	1.2	1.4	8.6	4.9	6.4	15.8	12.4	13.5	21.9	19.5	20.6
24	1.3	1.2	1.3	7.4	6.1	6.7	15.4	12.2	14.1	21.3	20.1	20.6
25	2.3	1.2	1.6	8.1	6.6	7.2	15.3	14.1	14.8	21.4	20.6	21.0
26	2.6	1.8	2.2	7.9	7.0	7.4	14.7	14.1	14.3	21.5	20.6	21.0
27	3.0	2.2	2.5	8.0	6.9	7.3	14.7	14.0	14.3	21.8	20.8	21.3
28	3.7	2.5	3.0	9.2	8.0	8.6	15.5	13.8	14.5	22.1	20.8	21.4
29	4.0	3.0	3.4	9.4	8.3	8.9	15.8	14.2	15.2	22.7	20.9	21.9
30	---	---	---	11.0	9.4	10.5	16.2	15.1	15.6	22.7	22.0	22.4
31	---	---	---	11.0	10.2	10.6	---	---	---	22.4	22.1	22.3
MONTH	4.0	1.1	2.0	11.0	3.5	6.9	16.2	9.4	12.1	22.7	13.4	17.9
	JUNE			JULY			AUGUST			SEPTEMBER		
1	22.3	21.9	22.1	24.4	22.8	23.4	25.8	23.9	24.7	23.3	22.3	22.9
2	22.1	21.6	21.8	24.4	22.9	23.5	25.6	23.4	24.7	23.8	22.1	22.9
3	22.2	19.9	21.3	24.2	22.0	23.3	26.1	24.3	24.9	23.6	22.2	22.8
4	22.4	20.8	21.4	24.1	23.0	23.4	25.1	24.1	24.4	23.9	22.4	23.1
5	22.4	21.0	21.6	24.7	23.2	23.7	25.7	23.8	24.6	24.1	23.0	23.4
6	22.3	21.1	21.5	25.1	23.3	24.0	25.8	23.7	24.5	24.2	23.1	23.5
7	22.6	21.1	21.8	24.5	23.3	23.7	25.4	23.8	24.4	24.2	22.8	23.3
8	22.5	20.0	21.8	24.9	23.2	23.8	25.5	24.0	24.6	24.0	22.7	23.0
9	22.5	21.0	21.5	25.2	23.5	24.2	25.5	24.0	24.6	23.9	22.7	23.0
10	22.1	21.1	21.7	25.0	23.6	24.1	24.9	22.7	24.2	24.4	22.5	23.1
11	23.1	20.5	22.0	25.2	23.8	24.3	25.1	23.6	24.2	24.1	22.2	22.9
12	23.6	21.7	22.7	25.2	23.7	24.4	23.9	23.2	23.5	24.4	22.3	23.0
13	22.2	21.2	21.6	25.9	24.0	24.6	24.0	22.7	23.3	23.9	22.4	23.0
14	21.6	20.5	21.3	25.4	23.8	24.5	24.0	22.5	23.0	23.9	22.4	23.0
15	22.4	21.0	21.8	25.6	24.2	24.7	24.1	22.2	23.0	24.2	22.4	23.1
16	23.8	21.7	22.9	25.7	23.4	24.7	25.1	22.1	23.1	24.3	22.4	23.2
17	23.6	23.1	23.3	25.7	24.1	24.7	24.0	22.1	22.8	24.1	21.9	22.7
18	24.1	23.6	23.9	27.6	22.3	25.4	23.9	22.3	22.9	25.0	21.9	22.8
19	24.1	23.7	23.9	27.6	25.0	26.1	23.1	22.3	22.8	25.0	20.9	22.5
20	24.4	23.7	24.1	28.1	25.2	26.3	22.8	22.3	22.6	25.0	20.5	22.4
21	24.4	23.8	24.1	28.3	25.0	26.3	23.3	22.1	22.6	25.2	20.7	22.4
22	24.1	23.4	23.7	26.7	24.6	25.3	23.3	22.4	22.7	24.2	20.8	22.2
23	23.8	22.9	23.5	26.4	24.7	25.4	23.9	22.3	22.9	24.5	21.9	22.7
24	24.0	22.4	23.4	26.5	24.6	25.4	23.6	22.0	22.7	23.4	22.1	22.6
25	24.4	23.1	23.6	25.6	24.7	25.1	23.2	22.6	22.8	23.2	21.0	22.1
26	24.1	23.0	23.4	25.0	24.0	24.7	23.8	22.3	22.9	22.4	21.0	21.5
27	24.1	23.0	23.4	25.9	23.6	24.7	23.7	22.7	23.0	23.9	19.6	21.8
28	24.1	22.9	23.4	26.4	23.9	24.8	24.0	22.5	23.0	21.2	20.0	20.5
29	24.1	21.8	23.2	25.6	24.0	24.6	22.7	22.0	22.3	21.5	19.7	20.4
30	24.5	22.8	23.4	24.6	23.9	24.2	23.4	22.0	22.9	21.4	19.9	20.4
31	---	---	---	25.2	23.9	24.4	23.5	23.0	23.2	---	---	---
MONTH	24.5	19.9	22.6	28.3	22.0	24.6	26.1	22.0	23.5	25.2	19.6	22.5
YEAR	28.3	1.1	13.6									

03327500 WABASH RIVER AT PERU, IN

LOCATION.--Lat 40°44'35", long 86°05'45", in SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.32, T.27 N., R.4 E., Miami County, Hydrologic Unit 05120101, (BUNKER HILL, IN quadrangle), on right bank at upstream side of bridge on U.S. Highway 31, 0.5 mi southwest of Peru, 4.4 mi downstream from Mississinewa River, and at mile 370.5.

DRAINAGE AREA.--2,686 mi².

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

REVISED RECORDS.--WSP 2109: Drainage area. WDR IN-74-1: 1973. WDR IN-81-1: 1979.

GAGE.--Water-stage recorder. Datum of gage is 617.94 ft above National Geodetic Vertical Datum of 1929, (levels by U.S. Army Corps of Engineers). Prior to June 20, 1961, nonrecording gage at same site and datum.

REMARKS.--Records good except those for June 15-23 and estimated daily discharges, which are poor. Flow regulated by reservoirs on Wabash River (station 03323500), Salamonie River (station 03324500) and Mississinewa River (station 03327000).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 26, 1913, reached a stage of 28.1 ft, discharge, 115,000 ft³/s, from rating curve extended above 63,000 ft³/s.

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	8,460	1,480	7,070	6,290	e740	2,390	7,490	537	6,720	4,940	897	5,630
2	6,710	1,500	5,000	4,580	e700	5,890	6,520	626	6,460	4,260	1,440	5,060
3	4,560	1,800	3,130	3,340	e660	8,380	3,520	1,060	5,050	4,340	1,060	3,820
4	4,560	1,690	2,350	6,640	e700	7,510	2,540	1,570	3,030	4,510	838	3,600
5	5,010	1,380	1,780	11,300	e640	9,850	2,140	1,890	2,460	4,230	1,730	3,830
6	5,080	1,450	1,890	9,770	e600	10,900	1,670	1,340	1,800	3,750	1,720	1,690
7	5,310	1,390	2,220	11,300	e620	10,100	1,250	1,210	1,510	3,350	1,270	1,360
8	5,320	1,310	2,680	12,500	e600	7,580	1,050	1,220	1,050	1,870	846	1,830
9	4,850	1,190	2,670	11,800	e560	6,760	595	1,270	809	1,620	577	1,500
10	4,380	1,130	4,980	10,400	e520	3,900	540	909	761	1,200	664	1,270
11	3,370	1,120	9,290	9,590	e530	2,940	527	824	4,850	1,100	596	777
12	1,650	1,220	8,830	8,700	e540	2,230	518	784	9,980	831	553	576
13	1,710	2,530	6,650	7,360	e550	1,830	495	776	8,940	639	502	539
14	1,790	3,620	4,040	5,820	e540	1,570	465	744	12,000	667	375	489
15	2,910	2,480	3,030	4,750	e520	1,290	480	715	9,530	636	383	460
16	5,300	2,090	2,220	3,960	e530	1,200	472	686	8,740	595	327	479
17	5,420	1,500	2,060	3,170	e540	768	464	672	9,440	494	319	545
18	3,600	1,470	1,950	2,510	e530	615	440	798	9,880	415	393	528
19	2,600	2,860	2,120	1,960	e520	618	436	1,290	9,740	380	665	420
20	2,160	5,420	1,940	1,540	e1,900	622	427	2,050	9,170	352	1,030	317
21	1,940	6,020	1,560	1,280	7,290	627	365	2,810	8,030	349	2,230	294
22	1,780	4,310	1,440	1,150	8,530	613	388	3,390	7,260	730	3,350	313
23	1,660	2,720	3,460	e1,000	7,310	600	424	2,550	6,740	2,230	2,220	367
24	1,570	2,970	9,180	e650	5,240	604	801	4,190	5,330	1,780	1,160	359
25	1,360	4,360	11,200	e740	3,890	617	1,320	3,760	4,920	1,070	878	360
26	1,390	4,670	11,400	e820	2,890	736	857	2,140	4,340	779	694	351
27	1,440	3,260	9,950	e900	2,210	2,450	837	1,480	4,870	578	574	332
28	1,530	2,980	7,190	e820	2,110	6,190	803	1,210	5,050	516	985	271
29	1,760	6,230	7,180	e800	1,840	6,840	576	1,150	4,810	516	3,860	297
30	1,730	8,140	6,930	e780	---	7,160	518	1,330	4,580	505	5,460	419
31	1,650	---	7,000	e760	---	7,250	---	8,200	---	531	6,270	---
TOTAL	102,560	84,290	152,390	146,980	54,350	120,630	38,928	53,181	177,850	49,763	43,866	38,083
MEAN	3,308	2,810	4,916	4,741	1,874	3,891	1,298	1,716	5,928	1,605	1,415	1,269
MAX	8,460	8,140	11,400	12,500	8,530	10,900	7,490	8,200	12,000	4,940	6,270	5,630
MIN	1,360	1,120	1,440	650	520	600	365	537	761	349	319	271
CFSM	1.23	1.05	1.83	1.77	0.70	1.45	0.48	0.64	2.21	0.60	0.53	0.47
IN.	1.42	1.17	2.11	2.04	0.75	1.67	0.54	0.74	2.46	0.69	0.61	0.53

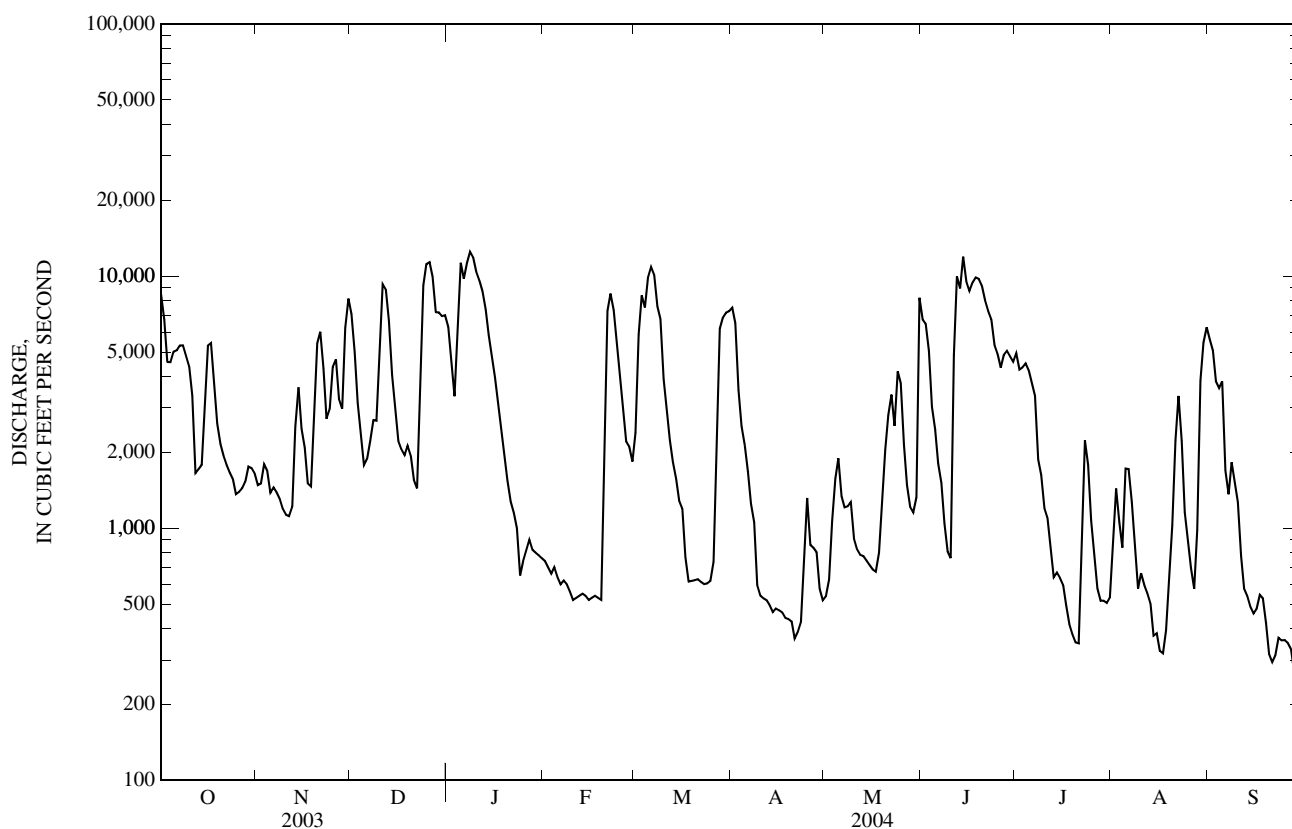
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2004, BY WATER YEAR (WY)

MEAN	1,192	1,732	2,724	3,314	3,674	4,612	4,029	2,527	2,487	1,722	938	898
MAX	6,340	7,653	8,314	18,500	10,740	10,890	14,840	7,577	14,260	11,350	7,049	5,438
(WY)	(2002)	(1973)	(1958)	(1950)	(1959)	(1982)	(1957)	(2003)	(1958)	(2003)	(1998)	(2003)
MIN	110	150	142	141	247	830	412	345	194	175	163	119
(WY)	(1954)	(1954)	(1964)	(1945)	(1964)	(1983)	(1971)	(1976)	(1988)	(1944)	(1966)	(1963)

03327500 WABASH RIVER AT PERU, IN—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1944 - 2004	
ANNUAL TOTAL	1,633,683		1,062,871		2,481	
ANNUAL MEAN	4,476		2,904		4,425	
HIGHEST ANNUAL MEAN					691	
LOWEST ANNUAL MEAN					50,900	
HIGHEST DAILY MEAN	19,500	Jul 7	12,500	Jan 8	50,900	Jun 12, 1958
LOWEST DAILY MEAN	434	Apr 29	271	Sep 28	72	Oct 5, 1946
ANNUAL SEVEN-DAY MINIMUM	492	Apr 25	334	Sep 23	85	Oct 29, 1944
MAXIMUM PEAK FLOW			13,800	Jun 12	68,000	May 18, 1943
MAXIMUM PEAK STAGE			11.52	Jun 12	24.46	May 18, 1943
ANNUAL RUNOFF (CFSM)	1.67		1.08		0.924	
ANNUAL RUNOFF (INCHES)	22.63		14.72		12.55	
10 PERCENT EXCEEDS	10,000		7,320		7,020	
50 PERCENT EXCEEDS	3,030		1,660		1,020	
90 PERCENT EXCEEDS	643		500		224	

e Estimated



03328000 EEL RIVER AT NORTH MANCHESTER, IN

LOCATION.--Lat 40°59'38", long 85°46'53", in NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.6, T.29 N., R.7 E., Wabash County, Hydrologic Unit 05120104, (NORTH MANCHESTER SOUTH, IN quadrangle), on right bank 300 ft upstream from New Wabash bridge in North Manchester, 400 ft downstream of New York Central railroad bridge, 0.4 mi downstream from Pony Creek, and at mile 51.0.

DRAINAGE AREA.--417 mi².

PERIOD OF RECORD.--October 1929 to current year. Prior to April 1930, monthly discharge only, published in WSP 1305. Gage-height records since November 20, 1923 are available from the district office.

REVISED RECORDS.--WSP 1275: 1930-37, 1939, 1940(M), 1942, 1948. WSP 1909: 1957. WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 732.65 ft above National Geodetic Vertical Datum of 1929. Prior to Jan. 15, 2002 at site 1.75 mi upstream at Water Works property at datum 738.00 ft. From October 1929 to July 23, 1953, nonrecording gage on downstream side of Second Street bridge, 1.9 mi upstream at datum 5.35 ft higher, at same drainage area. From July 24, 1953 to Jan. 14, 2002, at site 1.75 mi upstream at Water Works property at datum 5.35 ft higher, at same drainage area.

REMARKS.--Records good except those for Nov. 19 to Dec. 7, Dec. 24 to Jan. 6, Jan. 12-18, Feb. 21 to Mar. 9, May 24-25, May 31 to June 1 and estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--The flood of Dec. 30, 1990, reached a stage of 14.81 ft (datum 738.00 ft) from estimated discharge of 8,740 ft³/s.

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	e460	186	425	597	e180	1,360	327	161	2,760	262	138	372
2	e340	185	395	537	e179	1,980	299	236	1,840	243	132	293
3	294	184	345	538	e178	1,280	278	281	1,050	231	128	284
4	296	180	329	860	e178	980	259	227	685	279	547	714
5	287	182	331	1,540	e177	2,580	243	192	514	293	777	512
6	259	193	335	958	e177	2,140	233	173	427	248	366	360
7	239	180	330	e550	e174	1,270	230	239	366	266	250	345
8	228	170	313	e470	e172	845	228	715	320	271	196	330
9	214	161	378	e410	e168	659	215	444	285	222	167	259
10	202	159	958	e384	e164	544	204	318	267	207	174	219
11	194	165	1,430	e366	e162	475	199	286	1,580	196	159	194
12	184	173	850	361	e159	419	195	259	2,670	198	143	178
13	177	164	540	347	e156	371	191	224	3,890	186	135	166
14	216	156	426	333	e152	353	188	209	6,470	175	129	157
15	778	162	369	320	e148	343	182	204	4,830	163	126	151
16	582	162	337	299	e143	325	177	191	3,430	152	174	143
17	447	162	326	284	e142	318	176	179	2,600	153	153	133
18	352	205	306	283	e141	316	173	174	1,940	145	e260	129
19	303	1,440	285	e250	e140	314	166	274	1,360	142	e400	124
20	266	1,040	267	e230	e240	311	170	263	1,030	137	e588	120
21	247	618	252	e220	1,380	301	186	219	843	144	e1,040	116
22	227	453	255	e190	909	278	183	362	695	489	e800	113
23	214	386	1,270	e134	1,190	271	171	340	567	538	e370	109
24	200	688	2,260	e194	1,050	275	163	1,250	496	298	212	115
25	197	752	1,530	e189	779	294	160	1,040	452	215	184	107
26	211	514	864	e183	801	385	157	622	411	185	243	102
27	226	443	617	e179	769	561	150	425	365	172	201	103
28	222	451	504	e175	790	469	145	325	333	164	1,390	104
29	216	556	836	e180	791	403	142	266	309	151	1,710	107
30	201	466	1,360	e181	---	365	140	438	284	144	933	104
31	191	---	831	e180	---	374	---	3,620	---	146	522	---
TOTAL	8,670	10,936	19,854	11,922	11,789	21,159	5,930	14,156	43,069	6,815	12,747	6,263
MEAN	280	365	640	385	407	683	198	457	1,436	220	411	209
MAX	778	1,440	2,260	1,540	1,380	2,580	327	3,620	6,470	538	1,710	714
MIN	177	156	252	134	140	271	140	161	267	137	126	102
CFSM	0.67	0.87	1.54	0.92	0.97	1.64	0.47	1.10	3.44	0.53	0.99	0.50
IN.	0.77	0.98	1.77	1.06	1.05	1.89	0.53	1.26	3.84	0.61	1.14	0.56

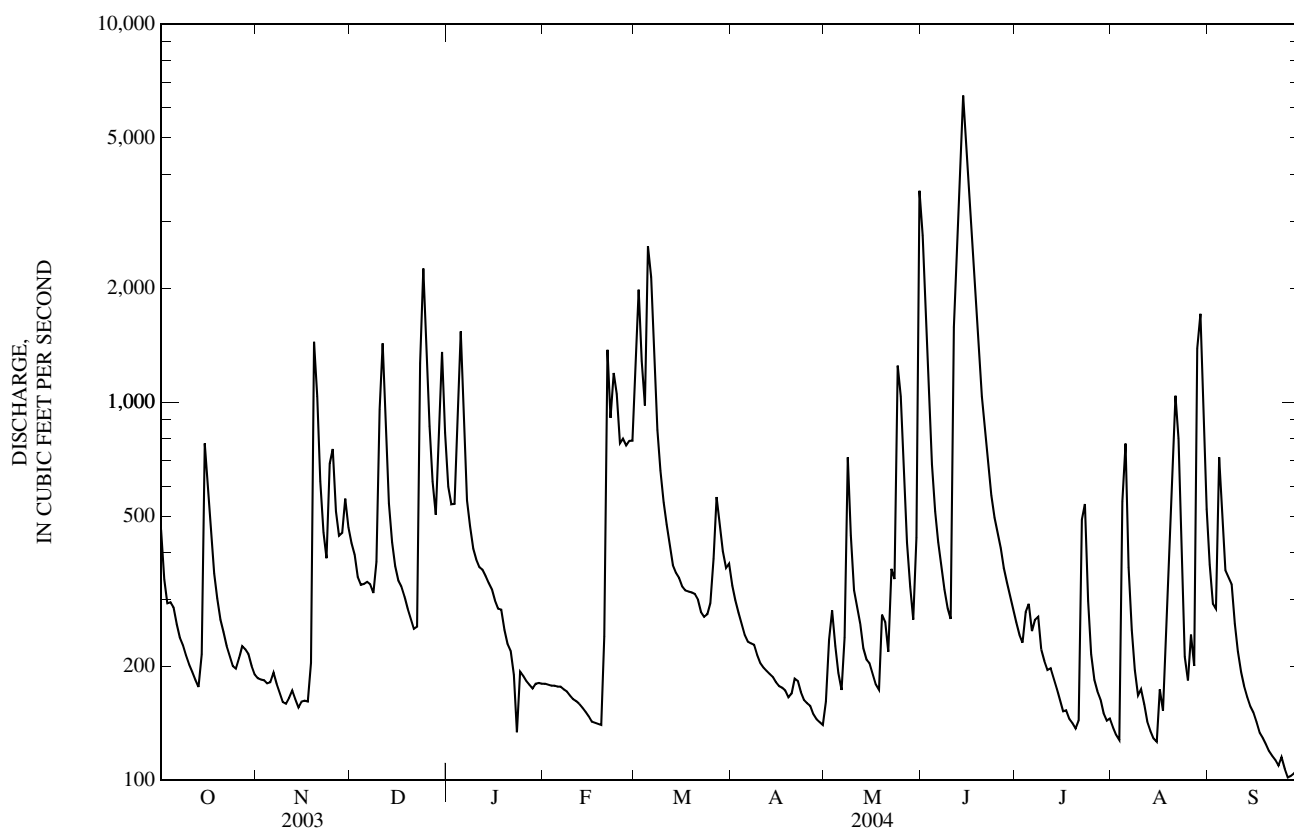
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2004, BY WATER YEAR (WY)

MEAN	181	271	398	473	574	706	668	438	360	225	163	142
MAX	1,309	1,416	1,717	2,258	1,772	2,425	1,768	2,021	1,436	782	1,031	846
(WY)	(2002)	(1993)	(1967)	(1950)	(1959)	(1982)	(1957)	(1943)	(2004)	(2003)	(1990)	(2003)
MIN	46.2	53.4	49.4	43.2	62.0	200	141	86.1	68.1	44.2	30.7	27.6
(WY)	(1947)	(1940)	(1964)	(1977)	(1964)	(1941)	(1946)	(1931)	(1934)	(1941)	(1941)	(1941)

03328000 EEL RIVER AT NORTH MANCHESTER, IN—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1930 - 2004	
ANNUAL TOTAL	161,665		173,310		383	
ANNUAL MEAN	443		474		783	
HIGHEST ANNUAL MEAN					103	
LOWEST ANNUAL MEAN					1931	
HIGHEST DAILY MEAN	3,410	May 10	6,470	Jun 14	e 7,770	Dec 31, 1990
LOWEST DAILY MEAN	69	Jan 24	102	Sep 26	16	Oct 19, 1956
ANNUAL SEVEN-DAY MINIMUM	70	Jan 22	106	Sep 24	23	Sep 13, 1941
MAXIMUM PEAK FLOW			7,050	Jun 14	e 8,740	Dec 30, 1990
MAXIMUM PEAK STAGE			13.02	Jun 14	unknown	Dec 30, 1990
ANNUAL RUNOFF (CFSM)	1.06		1.14		0.919	
ANNUAL RUNOFF (INCHES)	14.42		15.46		12.49	
10 PERCENT EXCEEDS	1,040		995		901	
50 PERCENT EXCEEDS	239		266		178	
90 PERCENT EXCEEDS	90		147		66	

e Estimated



03328500 EEL RIVER NEAR LOGANSFORT, IN

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

DRAINAGE AREA.--789 mi².

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

REVISED RECORDS.--WSP 2109: Drainage area.

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

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 18, 1943, reached a stage of 13.2 ft, from floodmark, discharge, 17,000 ft³/s.

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	835	348	717	1,300	e410	1,470	864	311	5,620	499	267	1,390
2	665	339	650	1,050	e405	3,150	698	386	3,650	471	258	1,050
3	572	336	597	1,000	e400	2,580	612	485	2,240	451	246	884
4	527	336	542	1,550	e398	1,800	553	483	1,410	471	335	925
5	509	338	531	3,680	e395	3,810	507	412	1,040	501	1,050	1,160
6	483	338	532	2,520	e390	4,140	478	369	824	494	876	887
7	445	346	544	e1,400	e388	2,790	463	350	692	452	520	726
8	417	335	543	e1,060	e380	1,770	448	529	593	457	392	678
9	399	319	574	e900	e370	1,350	435	875	519	453	327	613
10	381	311	945	e780	e365	1,110	411	611	475	443	291	516
11	362	318	2,050	e740	e360	962	394	484	2,780	423	286	457
12	345	335	1,780	689	e355	849	383	478	5,700	393	272	418
13	331	342	1,130	659	e350	752	374	438	6,180	378	253	390
14	354	326	836	630	e345	696	369	397	7,240	357	241	369
15	600	313	706	607	e340	670	361	377	8,930	327	232	352
16	1,150	317	629	569	e335	642	353	364	6,780	312	237	338
17	856	319	587	540	e330	621	346	346	4,510	299	268	319
18	699	362	557	527	e325	611	342	339	3,580	288	397	304
19	583	1,180	520	e500	e320	600	331	355	2,530	281	1,040	294
20	515	2,050	486	e430	e500	592	338	441	1,870	268	1,100	284
21	464	1,310	456	e420	e2,000	579	357	429	1,520	267	1,400	275
22	435	915	446	e350	1,860	548	359	384	1,300	378	1,320	268
23	409	737	806	e300	1,640	517	349	551	1,100	766	749	264
24	387	875	3,350	e340	1,690	519	331	1,010	935	649	527	257
25	376	1,350	2,870	e415	1,440	550	322	1,730	856	432	426	255
26	372	1,070	1,800	e410	1,170	687	315	1,290	781	350	458	249
27	379	840	1,210	e400	1,170	1,170	306	856	700	315	516	242
28	401	763	988	e390	1,110	1,110	298	629	633	299	1,590	241
29	394	804	1,330	e385	1,140	909	289	502	580	287	5,350	243
30	385	839	2,420	e395	---	789	285	488	535	275	4,020	245
31	363	---	1,890	e405	---	974	---	4,290	---	277	2,100	---
TOTAL	15,393	18,711	33,022	25,341	20,681	39,317	12,271	20,989	76,103	12,313	27,344	14,893
MEAN	497	624	1,065	817	713	1,268	409	677	2,537	397	882	496
MAX	1,150	2,050	3,350	3,680	2,000	4,140	864	4,290	8,930	766	5,350	1,390
MIN	331	311	446	300	320	517	285	311	475	267	232	241
CFSM	0.63	0.79	1.35	1.04	0.90	1.61	0.52	0.86	3.22	0.50	1.12	0.63
IN.	0.73	0.88	1.56	1.19	0.98	1.85	0.58	0.99	3.59	0.58	1.29	0.70

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2004, BY WATER YEAR (WY)

	383	517	817	941	1,118	1,340	1,290	884	814	524	376	321
MEAN	383	517	817	941	1,118	1,340	1,290	884	814	524	376	321
MAX	2,522	2,384	2,898	4,507	3,090	4,612	3,285	1,827	2,537	2,072	2,115	1,107
(WY)	(2002)	(1993)	(1967)	(1950)	(1959)	(1982)	(1950)	(1983)	(2004)	(1998)	(1990)	(2003)
MIN	95.1	110	98.2	101	184	353	366	245	176	140	128	101
(WY)	(1964)	(1964)	(1964)	(1977)	(1964)	(1966)	(1966)	(1958)	(1988)	(1988)	(1966)	(1963)

03328500 EEL RIVER NEAR LOGANSPOET, IN—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1944 - 2004	
ANNUAL TOTAL	280,560		316,378		775	
ANNUAL MEAN	769		864		1,573	
HIGHEST ANNUAL MEAN					324	
LOWEST ANNUAL MEAN					16,600	
HIGHEST DAILY MEAN	7,930	Jul 8	8,930	Jun 15	76	Mar 15, 1960
LOWEST DAILY MEAN	174	Jan 26	232	Aug 15	76	Dec 17, 1963
ANNUAL SEVEN-DAY MINIMUM	178	Jan 22	247	Sep 24	17,700	Feb 24, 1985
MAXIMUM PEAK FLOW			9,180	Jun 15	12.68	Feb 24, 1985
MAXIMUM PEAK STAGE			9.68	Jun 15	0.982	
ANNUAL RUNOFF (CFSM)	0.974		1.10		13.35	
ANNUAL RUNOFF (INCHES)	13.23		14.92		1,750	
10 PERCENT EXCEEDS	1,660		1,740		405	
50 PERCENT EXCEEDS	406		500		156	
90 PERCENT EXCEEDS	200		303			

e Estimated

