

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	26	1,060	1,730	e200	310	272	761	104	455	16	278
2	19	125	1,200	2,040	e190	259	364	508	103	548	15	132
3	16	520	658	2,840	e180	e240	851	351	107	198	15	56
4	15	411	337	3,990	e175	267	772	300	105	107	18	29
5	17	361	223	5,480	e170	427	447	281	93	75	19	19
6	17	210	179	5,980	e170	769	324	268	91	57	18	14
7	18	126	545	6,030	651	718	279	245	166	43	24	12
8	20	85	1,510	5,430	2,130	540	278	227	130	39	19	10
9	18	61	1,440	4,580	3,560	362	277	221	106	35	20	10
10	15	48	977	3,820	4,150	285	242	210	96	29	18	16
11	15	41	1,330	4,000	3,270	267	215	196	88	26	18	15
12	17	39	1,150	6,100	2,190	257	214	191	122	24	18	9.5
13	21	43	641	8,820	1,560	235	222	223	332	27	20	9.0
14	26	55	323	8,420	1,820	222	219	200	581	28	20	9.0
15	40	45	214	6,450	2,080	211	184	184	240	31	21	9.4
16	39	39	175	5,400	2,400	201	155	190	132	28	23	40
17	38	37	154	4,510	2,170	198	144	169	96	25	29	439
18	50	45	140	3,900	1,800	195	139	160	77	26	21	182
19	95	117	131	3,050	1,270	194	136	169	67	25	18	84
20	96	207	e102	2,230	845	209	132	300	59	32	16	42
21	57	243	e90	e1,500	861	195	210	424	52	25	14	27
22	40	152	e84	e960	845	186	510	277	45	20	13	22
23	30	104	e80	e770	653	206	2,030	214	38	17	13	23
24	55	344	e76	e620	489	238	2,880	184	37	17	12	30
25	90	1,600	e72	e470	432	317	3,890	163	36	15	12	439
26	65	1,780	e69	e380	350	1,210	3,340	151	37	15	12	1,160
27	46	1,340	e67	e330	317	1,400	2,530	138	87	19	13	1,300
28	51	937	e66	e300	333	1,020	2,120	127	80	112	13	1,360
29	54	674	e66	e270	---	570	1,650	118	537	87	13	738
30	43	542	e110	e240	---	400	1,100	113	540	35	13	422
31	34	---	1,170	e220	---	333	---	110	---	20	41	---
TOTAL	1,179	10,357	14,439	100,860	35,261	12,441	26,126	7,373	4,384	2,240	555	6,935.9
MEAN	38.0	345	466	3,254	1,259	401	871	238	146	72.3	17.9	231
MAX	96	1,780	1,510	8,820	4,150	1,400	3,890	761	581	548	41	1,360
MIN	15	26	66	220	170	186	132	110	36	15	12	9.0
CFSM	0.08	0.76	1.03	7.18	2.78	0.89	1.92	0.53	0.32	0.16	0.04	0.51
IN.	0.10	0.85	1.19	8.28	2.90	1.02	2.15	0.61	0.36	0.18	0.05	0.57

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2005, BY WATER YEAR (WY)

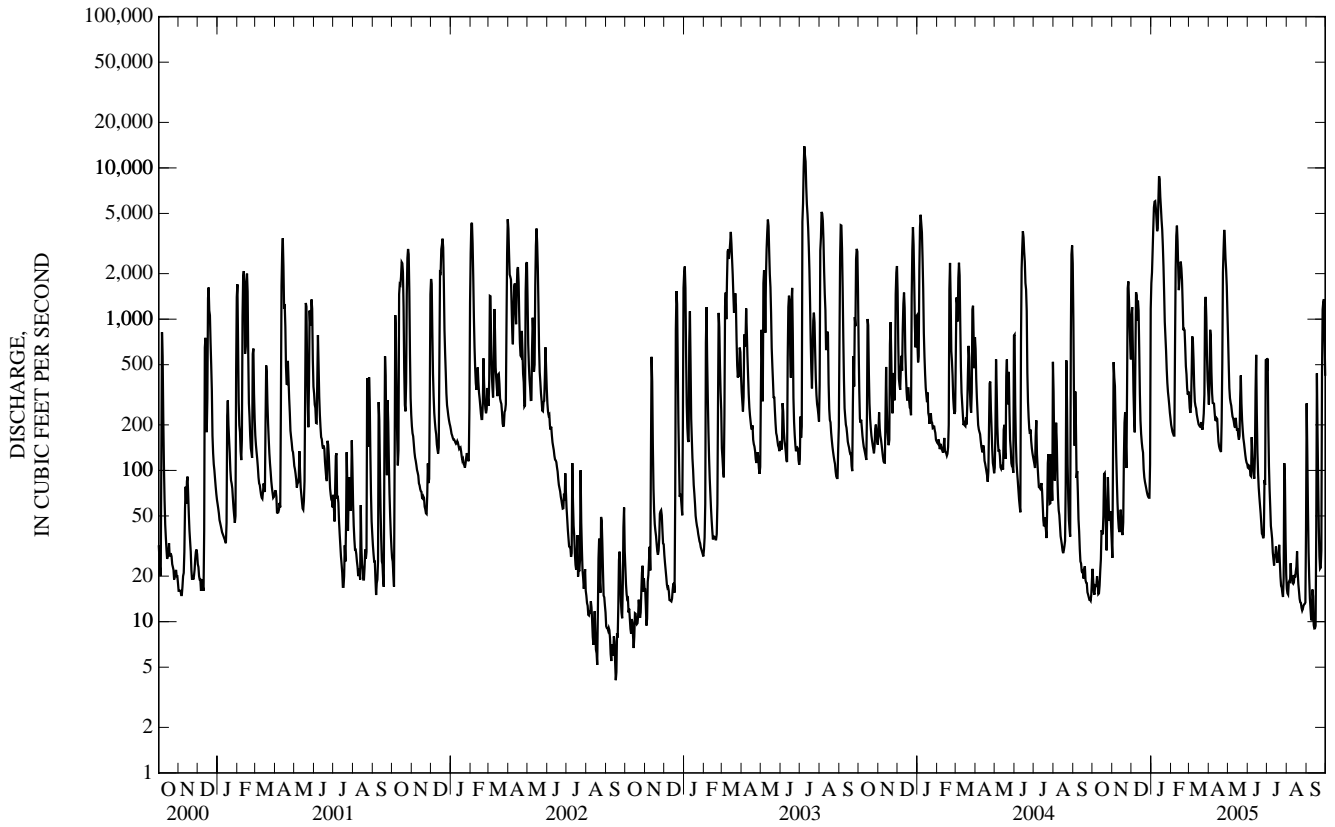
MEAN	109	273	494	569	670	773	652	389	371	338	193	121
MAX	1,002	1,853	1,514	3,254	1,717	2,397	2,085	1,584	1,914	3,033	1,513	1,074
(WY)	(2002)	(1973)	(1991)	(2005)	(1976)	(1978)	(1972)	(1996)	(1981)	(2003)	(1995)	(2003)
MIN	6.84	7.52	9.25	6.19	86.0	80.5	68.2	25.9	8.92	11.7	8.20	7.64
(WY)	(1965)	(1966)	(1977)	(1977)	(1978)	(1981)	(1971)	(1988)	(1988)	(1965)	(1966)	(1967)

WABASH RIVER BASIN

03322900 WABASH RIVER AT LINN GROVE, IN—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1965 - 2005	
ANNUAL TOTAL	145,440		222,150.9		411	
ANNUAL MEAN	397		609		794	
HIGHEST ANNUAL MEAN					1966	
LOWEST ANNUAL MEAN					76.8	
HIGHEST DAILY MEAN	4,900	Jan 6	8,820	Jan 13	13,900	Jul 8, 2003
LOWEST DAILY MEAN	14	Sep 26	9.0	Sep 13	4.0	Nov 1, 1999
ANNUAL SEVEN-DAY MINIMUM	15	Sep 23	11	Sep 9	5.1	Oct 29, 1999
MAXIMUM PEAK FLOW			9,300		14,500	
MAXIMUM PEAK STAGE			13.73		14.76	
ANNUAL RUNOFF (CFSM)	0.877		1.34		0.908	
ANNUAL RUNOFF (INCHES)	11.94		18.24		12.34	
10 PERCENT EXCEEDS	1,150		1,750		1,200	
50 PERCENT EXCEEDS	142		170		120	
90 PERCENT EXCEEDS	30		18		13	

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	51	1,300	1,780	e225	367	337	936	95	472	21	210
2	28	76	1,430	2,050	e210	316	331	677	90	706	19	207
3	23	630	960	2,940	e200	260	804	461	94	323	17	84
4	20	588	540	4,060	e190	290	907	363	98	139	17	44
5	18	522	339	5,350	e180	505	612	327	86	86	20	27
6	20	337	263	6,830	e180	927	412	316	79	63	20	19
7	19	196	670	7,070	615	904	331	284	117	50	21	15
8	20	130	1,700	6,280	2,400	709	304	257	143	40	24	13
9	21	92	1,650	4,890	2,940	486	313	244	102	39	20	12
10	18	73	1,240	3,870	3,640	348	283	232	87	33	20	12
11	18	63	1,510	3,960	3,370	306	240	214	78	29	19	18
12	17	57	1,410	6,970	2,410	297	225	196	92	26	19	15
13	22	56	915	10,500	1,830	264	237	230	254	27	22	10
14	27	64	520	11,600	2,380	240	226	253	707	30	23	11
15	30	66	317	9,040	2,280	224	214	211	384	33	23	13
16	38	57	250	6,420	2,410	212	166	207	179	33	23	24
17	33	55	215	4,430	2,210	203	147	184	113	30	24	363
18	39	60	193	3,570	1,850	201	138	164	86	27	27	300
19	117	117	167	2,980	1,410	203	135	169	71	26	21	123
20	140	260	e136	2,300	1,000	224	131	277	62	28	19	66
21	96	319	e126	1,790	1,010	217	173	511	55	30	17	42
22	64	236	e115	1,300	1,030	198	457	368	49	25	16	33
23	50	154	e108	e860	834	204	2,370	250	42	22	14	31
24	58	343	e95	e680	640	252	2,700	205	37	20	13	29
25	99	1,820	e92	e540	549	303	3,310	168	37	19	12	247
26	94	1,860	e90	e450	445	1,190	3,410	152	38	17	12	1,090
27	73	1,620	e77	e380	373	1,430	2,780	139	53	22	13	1,280
28	66	1,310	e78	e340	392	1,230	2,160	126	91	53	13	1,340
29	73	952	e110	e300	---	764	1,790	113	380	126	14	987
30	78	795	e145	e270	---	532	1,300	103	723	55	14	550
31	65	---	1,290	e250	---	416	---	100	---	31	20	---
TOTAL	1,508	12,959	18,051	114,050	37,203	14,222	26,943	8,437	4,522	2,660	577	7,215
MEAN	48.6	432	582	3,679	1,329	459	898	272	151	85.8	18.6	240
MAX	140	1,860	1,700	11,600	3,640	1,430	3,410	936	723	706	27	1,340
MIN	17	51	77	250	180	198	131	100	37	17	12	10
CFSM	0.10	0.85	1.15	7.24	2.62	0.90	1.77	0.54	0.30	0.17	0.04	0.47
IN.	0.11	0.95	1.32	8.35	2.72	1.04	1.97	0.62	0.33	0.19	0.04	0.53

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2005, BY WATER YEAR (WY)

	384	296	730	1,341	756	898	778	743	448	868	411	384
MEAN	384	296	730	1,341	756	898	778	743	448	868	411	384
MAX	1,165	502	1,130	3,679	1,329	1,513	1,542	1,375	996	3,238	1,158	1,138
(WY)	(2002)	(2004)	(2004)	(2005)	(2005)	(2003)	(2002)	(2003)	(2004)	(2003)	(2003)	(2003)
MIN	16.4	86.3	247	197	289	459	239	272	146	42.2	18.6	17.7
(WY)	(2003)	(2003)	(2003)	(2002)	(2003)	(2005)	(2004)	(2005)	(2002)	(2002)	(2005)	(2002)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

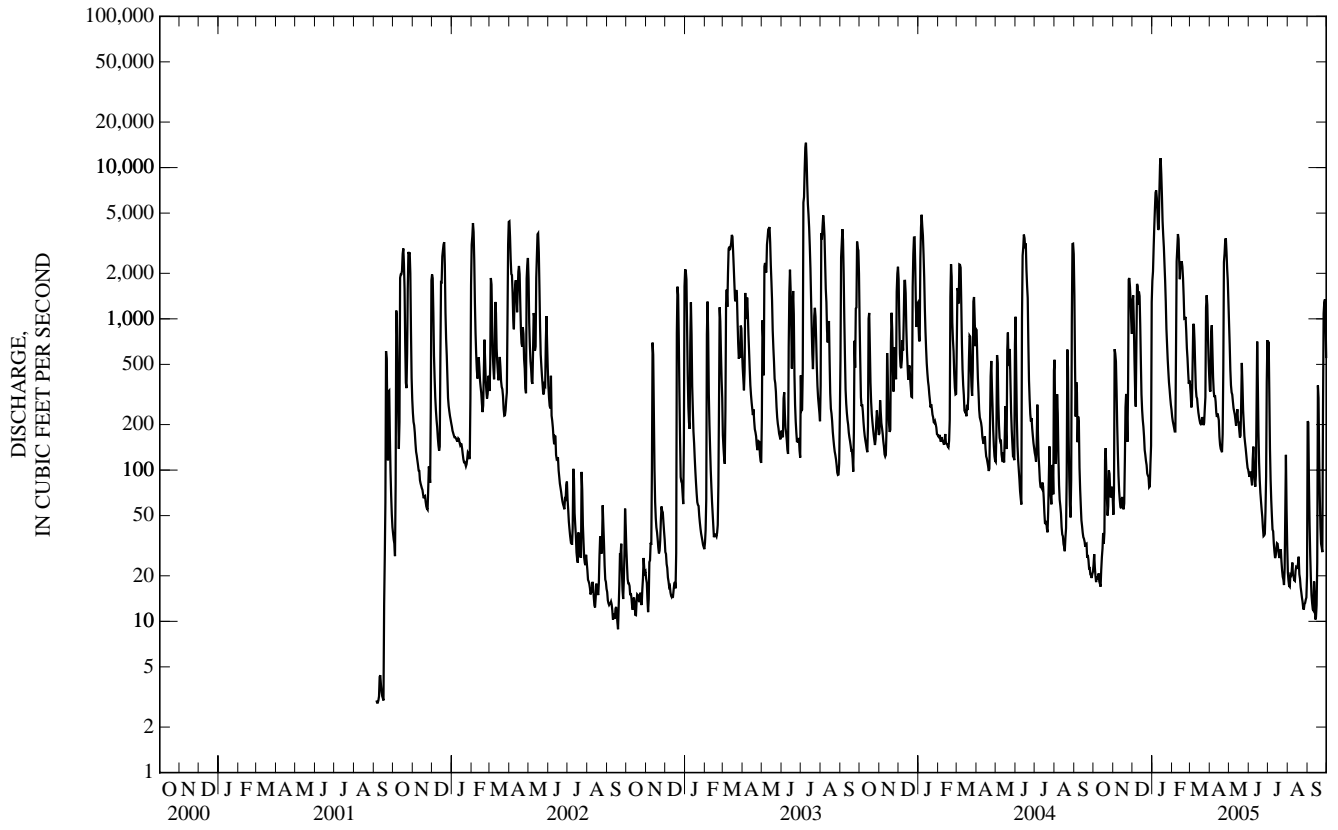
WATER YEARS 1994 - 2005

ANNUAL TOTAL	171,022	248,347	
ANNUAL MEAN	467	680	671
HIGHEST ANNUAL MEAN			875
LOWEST ANNUAL MEAN			541
HIGHEST DAILY MEAN	4,880	Jan 6	11,600
LOWEST DAILY MEAN	17	Oct 12	10
ANNUAL SEVEN-DAY MINIMUM	19	Oct 6	13
MAXIMUM PEAK FLOW			12,100
MAXIMUM PEAK STAGE			17.17
ANNUAL RUNOFF (CFSM)	0.920		1.34
ANNUAL RUNOFF (INCHES)	12.52		18.19
10 PERCENT EXCEEDS	1,380		1,840
50 PERCENT EXCEEDS	168		196
90 PERCENT EXCEEDS	37		20
			15,300
		Jan 14	18.43
		Jan 14	1.32
			17.96
			209
			22
			2.9
		Sep 13	3.4
		Aug 23	14.600
		Jan 14	2003
		Jan 14	2004
		Jul 9	2001
		Jul 9	2003
		Jul 9	2005

e Estimated

WABASH RIVER BASIN

03322985 WABASH RIVER NEAR BLUFFTON, IN—Continued



WABASH RIVER BASIN

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, 28.7°C, Aug. 1, minimum, 0.0°C, Feb. 10.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	20.6	17.6	19.1	15.0	14.9	15.0	7.6	6.4	7.3	4.6	3.1	4.1
2	20.6	17.9	19.3	15.3	14.5	15.1	7.4	6.5	7.0	6.0	4.5	5.1
3	19.8	16.5	18.0	14.5	13.8	14.2	7.2	6.2	6.6	7.2	6.0	6.6
4	19.3	17.0	17.9	13.8	12.5	13.4	7.0	6.1	6.6	7.1	6.9	7.1
5	18.9	15.7	17.1	12.6	11.9	12.2	7.5	6.5	7.1	6.9	5.9	6.4
6	19.1	15.5	17.1	12.6	11.6	11.9	8.1	7.4	7.8	6.1	4.9	5.9
7	---	---	---	13.4	11.7	12.2	10.8	7.7	9.7	5.7	4.5	5.2
8	18.8	16.4	17.6	12.7	11.3	11.8	10.3	8.9	9.7	4.7	2.9	3.7
9	19.5	17.1	18.1	12.8	11.0	11.8	9.4	9.2	9.3	3.2	2.4	2.7
10	18.8	15.6	17.0	12.6	10.7	11.6	9.3	9.0	9.2	2.5	2.3	2.4
11	17.7	15.6	16.6	11.7	11.0	11.4	9.0	8.0	8.5	2.8	2.2	2.4
12	17.2	15.4	16.3	11.8	10.0	10.7	8.0	7.1	7.5	4.6	2.7	3.8
13	16.8	16.1	16.4	11.4	9.4	10.2	7.1	5.0	6.0	5.3	4.3	4.7
14	17.3	15.9	16.5	11.0	9.0	9.9	5.3	4.7	5.0	4.4	3.4	4.0
15	16.3	15.1	15.7	10.7	8.9	9.8	5.1	4.0	4.5	3.7	3.3	3.6
16	15.1	13.8	14.5	10.8	9.8	10.3	5.2	3.9	4.5	3.6	3.2	3.5
17	15.7	13.1	14.1	11.1	10.4	10.7	5.3	4.2	4.7	4.1	3.3	3.7
18	13.6	13.1	13.3	11.6	10.5	10.9	5.7	4.5	5.1	4.1	3.8	4.0
19	13.6	13.2	13.4	11.5	11.0	11.3	5.4	3.7	4.4	4.0	3.8	3.9
20	14.1	13.3	13.6	12.1	10.8	11.8	5.2	3.7	4.5	3.8	3.3	3.6
21	14.1	13.2	13.6	12.5	11.7	12.0	5.4	4.3	4.8	3.3	2.8	3.1
22	14.5	13.0	13.7	12.5	11.6	12.0	4.5	4.1	4.3	2.9	2.6	2.7
23	14.1	13.5	13.8	12.1	11.8	12.0	5.6	3.3	4.2	2.6	2.2	2.4
24	15.8	13.5	14.5	11.8	9.6	11.1	4.5	2.6	3.5	2.2	1.9	2.0
25	15.7	12.8	14.1	9.7	7.3	8.7	3.4	2.5	2.9	2.0	1.8	1.9
26	14.8	13.4	14.1	8.2	7.5	7.9	3.8	2.9	3.3	1.8	1.6	1.7
27	16.2	14.3	15.0	8.1	7.7	8.0	3.1	2.5	2.8	1.8	1.6	1.7
28	15.8	14.6	15.1	7.8	7.1	7.4	3.8	2.9	3.4	1.9	1.6	1.7
29	16.4	15.1	15.8	7.4	7.0	7.2	5.0	3.7	4.3	2.1	1.7	1.8
30	17.2	15.7	16.2	7.5	7.0	7.2	5.2	4.3	4.7	2.3	1.9	2.0
31	16.6	15.0	15.6	---	---	---	6.1	1.0	3.3	2.4	1.9	2.1
MONTH	20.6	12.8	15.8	15.3	7.0	11.0	10.8	1.0	5.7	7.2	1.6	3.5

WABASH RIVER BASIN

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	72	1,350	1,000	e92	230	153	130	51	48	35	24
2	34	81	935	1,020	e88	193	151	111	47	41	30	23
3	33	142	503	1,960	e84	168	139	98	49	34	28	21
4	32	126	340	2,740	e80	167	120	88	49	30	27	21
5	30	138	255	2,720	e78	718	111	80	49	29	28	21
6	31	99	280	2,260	e80	1,210	108	77	103	27	27	20
7	31	79	1,630	1,260	498	672	104	78	109	27	26	20
8	30	65	2,400	715	2,210	400	103	79	70	27	25	19
9	29	57	1,560	509	1,930	250	94	72	57	25	25	19
10	31	52	937	497	1,070	197	92	70	51	25	27	19
11	31	50	1,380	1,430	621	186	84	67	54	25	26	20
12	30	47	828	3,530	501	183	83	111	58	23	25	21
13	31	43	482	4,290	940	165	81	81	228	24	49	20
14	33	40	314	4,410	2,700	152	74	308	210	33	152	19
15	34	41	235	3,370	2,580	149	69	278	109	38	72	21
16	33	41	196	1,960	2,490	149	65	143	78	144	50	31
17	34	45	168	e900	1,880	157	67	107	61	155	41	37
18	37	72	153	e520	900	159	68	86	54	85	33	26
19	57	319	138	e400	524	186	67	84	49	90	30	24
20	53	490	e120	e310	439	385	72	153	44	68	29	24
21	45	252	e110	e270	1,410	249	102	109	41	46	27	23
22	39	149	e102	e230	1,060	188	103	86	39	51	26	22
23	42	116	e100	e200	608	166	555	93	36	53	24	31
24	57	566	e99	e170	445	152	659	81	35	38	23	49
25	62	2,110	e98	e150	339	184	391	70	34	32	23	34
26	49	1,370	e98	e140	268	557	254	64	33	37	23	178
27	42	856	e97	e130	219	391	444	59	32	570	23	134
28	40	1,620	e96	e120	208	282	252	56	43	256	22	58
29	42	897	e96	e110	---	213	174	56	79	94	22	69
30	54	771	e110	e104	---	175	149	55	45	55	22	73
31	99	---	1,170	e97	---	170	---	53	---	43	23	---
TOTAL	1,260	10,806	16,380	37,522	24,342	8,803	4,988	3,083	1,997	2,273	1,043	1,121
MEAN	40.6	360	528	1,210	869	284	166	99.5	66.6	73.3	33.6	37.4
MAX	99	2,110	2,400	4,410	2,700	1,210	659	308	228	570	152	178
MIN	29	40	96	97	78	149	65	53	32	23	22	19
CFSM	0.15	1.37	2.01	4.60	3.31	1.08	0.63	0.38	0.25	0.28	0.13	0.14
IN.	0.18	1.53	2.32	5.31	3.44	1.25	0.71	0.44	0.28	0.32	0.15	0.16

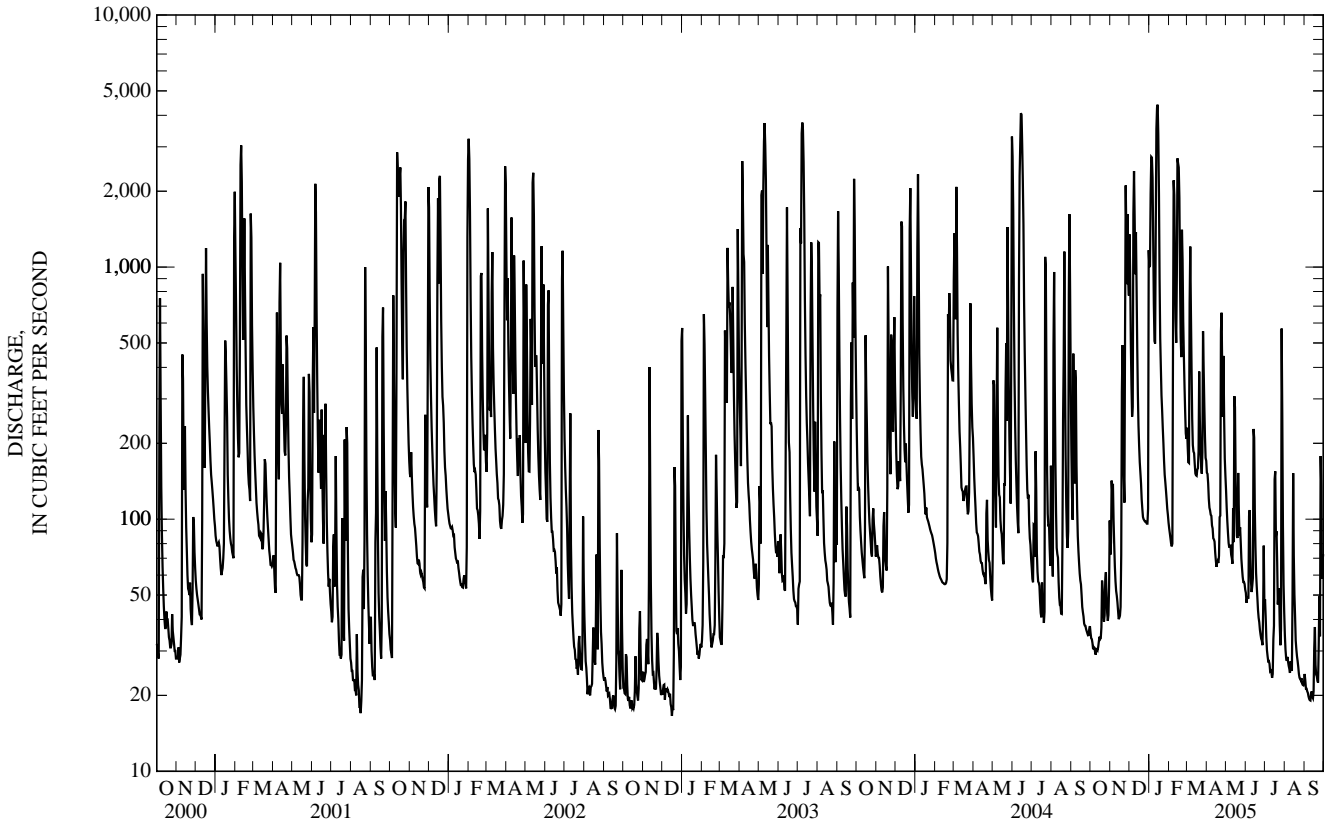
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2005, BY WATER YEAR (WY)

MEAN	94.9	161	278	334	400	470	409	253	250	128	70.3	64.7
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1945 - 2005	
ANNUAL TOTAL	116,277		113,618			
ANNUAL MEAN	318		311		242	
HIGHEST ANNUAL MEAN					450	1950
LOWEST ANNUAL MEAN					67.0	1954
HIGHEST DAILY MEAN	4,080	Jun 14	4,410	Jan 14	5,610	Mar 14, 1982
LOWEST DAILY MEAN	29	Oct 9	19	Sep 8	1.1	Oct 8, 1946
ANNUAL SEVEN-DAY MINIMUM	30	Oct 5	20	Sep 8	1.8	Oct 7, 1946
MAXIMUM PEAK FLOW			4,540	Jan 14	5,990	Jan 4, 1950
MAXIMUM PEAK STAGE			17.44	Jan 14	19.50	Feb 25, 1985
ANNUAL RUNOFF (CF5M)	1.21		1.18		0.919	
ANNUAL RUNOFF (INCHES)	16.45		16.07		12.49	
10 PERCENT EXCEEDS	862		900		605	
50 PERCENT EXCEEDS	102		85		70	
90 PERCENT EXCEEDS	42		26		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 good except those for Oct. 1-15, which are fair and estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	e46	1,650	2,300	e111	205	194	371	60	307	25	89
2	28	e41	1,450	1,440	104	204	184	293	59	480	20	84
3	26	762	596	3,890	101	175	575	235	61	143	17	35
4	23	480	384	6,020	98	170	462	191	61	70	16	21
5	22	339	283	6,810	100	193	246	159	67	51	20	17
6	22	241	241	7,380	114	315	185	142	143	40	24	14
7	21	154	1,000	5,900	961	376	164	134	90	33	24	12
8	21	111	2,670	4,690	3,800	311	159	127	66	29	32	11
9	19	85	1,170	2,000	3,900	227	154	115	61	24	28	10
10	17	73	784	1,390	3,130	167	135	112	58	23	26	9.6
11	17	70	1,870	3,770	1,240	152	119	109	159	22	26	10
12	17	69	1,240	9,300	665	145	113	121	291	23	28	10
13	19	75	607	10,200	1,040	132	113	110	689	28	49	10
14	21	91	373	9,980	2,750	116	106	183	818	33	44	11
15	26	78	265	7,560	3,150	105	94	238	327	40	29	11
16	e21	72	220	3,940	2,150	101	88	164	147	32	31	18
17	e19	71	e181	1,280	1,640	101	85	131	94	45	24	47
18	e24	73	e153	689	774	101	85	103	72	52	30	105
19	e32	79	e129	535	432	106	88	105	60	41	46	43
20	e28	99	e100	406	347	128	98	304	51	29	36	33
21	e24	140	e89	300	744	136	319	450	45	30	31	23
22	e22	119	e77	e225	697	124	630	227	41	36	26	21
23	e21	100	e73	e196	463	125	4,000	158	38	31	19	29
24	e32	225	e72	e181	349	135	4,480	127	38	27	15	31
25	e40	2,560	e70	e167	287	236	3,780	104	37	27	14	535
26	e34	1,860	e71	e157	241	1,830	1,780	89	37	33	14	1,160
27	e30	650	e73	e144	205	1,280	1,820	82	33	77	15	1,980
28	e32	1,220	e72	e131	196	573	1,100	76	49	59	15	746
29	e38	860	e69	e125	---	383	566	70	395	81	17	335
30	e45	631	133	e121	---	285	429	66	422	48	20	377
31	e52	---	2,310	e114	---	236	---	63	---	32	24	---
TOTAL	816	11,474	18,475	91,341	29,789	8,873	22,351	4,959	4,569	2,026	785	5,837.6
MEAN	26.3	382	596	2,946	1,064	286	745	160	152	65.4	25.3	195
MAX	52	2,560	2,670	10,200	3,900	1,830	4,480	450	818	480	49	1,980
MIN	17	41	69	114	98	101	85	63	33	22	14	9.6
CFSM	0.06	0.90	1.40	6.93	2.50	0.67	1.75	0.38	0.36	0.15	0.06	0.46
IN.	0.07	1.00	1.62	8.00	2.61	0.78	1.96	0.43	0.40	0.18	0.07	0.51

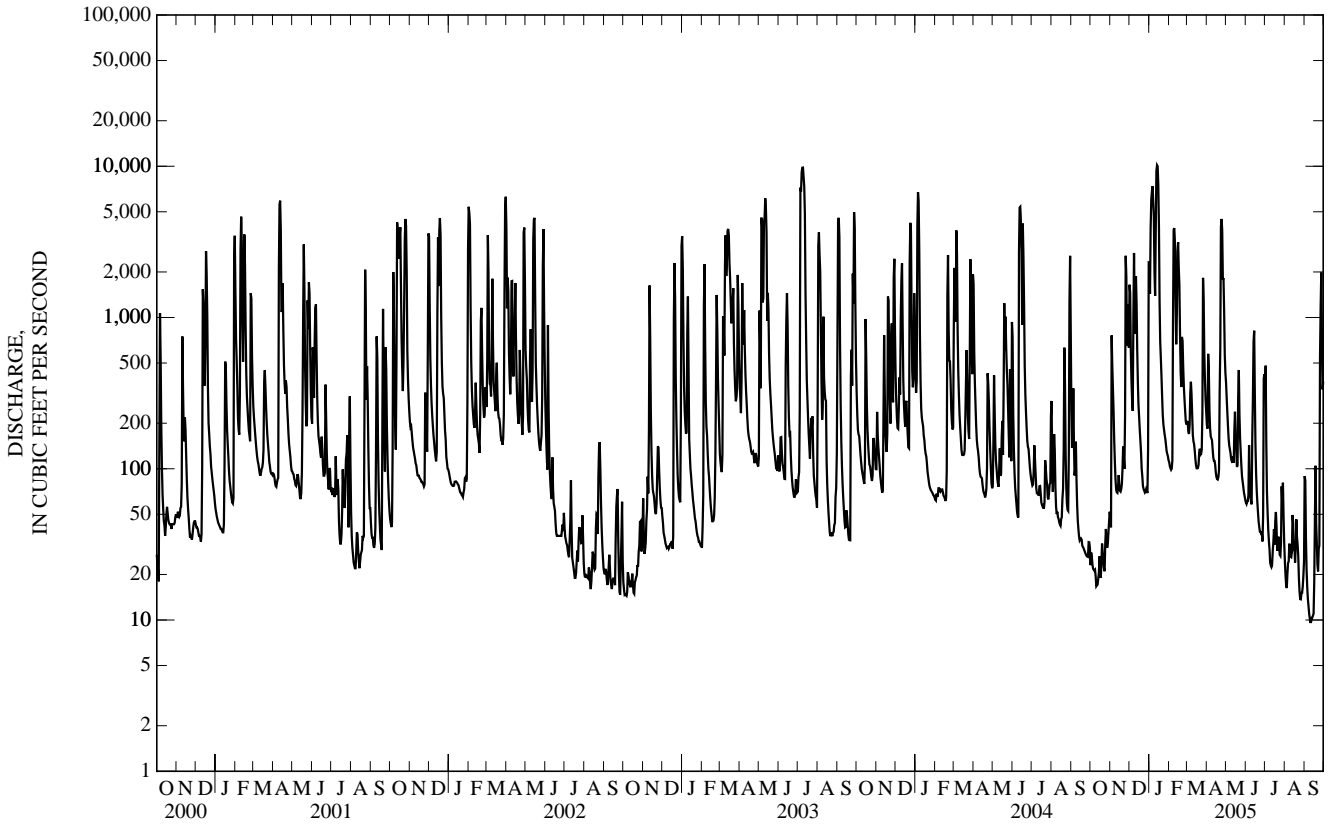
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2005, BY WATER YEAR (WY)

MEAN	112	302	482	541	632	832	692	397	374	271	149	113
MAX	1,486	1,794	1,685	2,946	1,906	2,616	2,214	1,421	2,312	2,219	1,363	1,001
(WY)	(2002)	(1993)	(1991)	(2005)	(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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1958 - 2005	
ANNUAL TOTAL	147,988		201,295.6		407	
ANNUAL MEAN	404		551		689	
HIGHEST ANNUAL MEAN					109	
LOWEST ANNUAL MEAN					1966	
HIGHEST DAILY MEAN	6,750	Jan 5	10,200	Jan 13	10,900	Jan 23, 1999
LOWEST DAILY MEAN	17	Oct 10	9.6	Sep 10	5.1	Jan 2, 1977
ANNUAL SEVEN-DAY MINIMUM	19	Oct 7	10	Sep 8	5.9	Dec 29, 1976
MAXIMUM PEAK FLOW			10,800	Jan 12	13,500	Aug 5, 1998
MAXIMUM PEAK STAGE			15.16	Jan 12	17.05	Feb 10, 1959
ANNUAL RUNOFF (CFSM)	0.951		1.30		0.957	
ANNUAL RUNOFF (INCHES)	12.95		17.62		13.00	
10 PERCENT EXCEEDS	1,000		1,410		1,000	
50 PERCENT EXCEEDS	100		105		94	
90 PERCENT EXCEEDS	32		21		18	

e Estimated



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, 23.8°C, Sept. 19, minimum, 2.0°C, Jan. 1 - 2.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	20.8	19.9	20.5	14.5	14.5	14.5	6.1	5.9	6.0	2.6	2.0	2.3
2	20.8	20.5	20.7	14.5	14.3	14.4	5.9	5.8	5.8	2.8	2.0	2.3
3	20.5	20.2	20.4	14.3	14.0	14.2	5.8	5.7	5.8	3.9	2.8	3.4
4	20.2	19.8	20.0	14.0	13.5	13.8	5.7	5.6	5.6	4.5	3.8	4.1
5	19.8	19.4	19.6	13.5	13.0	13.2	5.8	5.5	5.6	4.6	4.5	4.5
6	19.4	19.2	19.3	13.0	12.7	12.8	5.8	5.6	5.7	4.7	4.4	4.6
7	19.2	19.0	19.1	12.7	12.3	12.5	6.1	5.8	6.0	4.8	4.6	4.7
8	19.1	19.0	19.1	12.3	12.0	12.2	6.3	6.0	6.1	4.8	4.7	4.7
9	19.0	18.6	18.8	12.0	11.8	11.9	7.8	6.3	7.1	4.8	4.5	4.6
10	18.7	18.5	18.6	11.9	11.6	11.7	8.3	7.8	8.1	4.6	4.5	4.5
11	18.5	18.3	18.4	11.6	11.3	11.5	8.3	8.1	8.3	4.5	4.2	4.3
12	18.3	18.1	18.2	11.3	10.8	11.0	8.1	7.4	7.8	4.9	4.1	4.4
13	18.1	17.9	18.0	10.8	10.3	10.6	7.4	6.4	6.9	5.0	4.5	4.8
14	17.9	17.6	17.7	10.4	10.1	10.3	6.4	5.7	6.0	4.5	4.2	4.4
15	17.6	17.3	17.5	10.1	9.8	10.0	5.7	5.1	5.4	4.4	4.2	4.2
16	17.3	16.6	17.0	9.8	9.6	9.7	5.1	4.7	5.0	4.4	4.2	4.2
17	16.6	15.7	16.1	9.6	9.3	9.5	4.7	4.4	4.6	4.2	3.9	4.1
18	15.7	15.2	15.4	9.4	9.1	9.2	4.4	4.1	4.3	3.9	3.7	3.8
19	15.2	14.8	15.0	9.3	9.1	9.2	4.1	3.4	3.7	3.7	3.5	3.6
20	14.8	14.5	14.7	9.3	8.8	9.1	3.4	3.0	3.2	3.6	3.2	3.4
21	14.5	14.2	14.4	9.2	8.8	9.0	3.3	3.0	3.1	3.2	2.8	3.1
22	14.4	14.1	14.3	9.6	9.1	9.4	3.0	2.5	2.8	3.3	2.8	3.0
23	14.4	14.3	14.3	9.7	9.5	9.6	2.7	2.5	2.6	3.2	3.0	3.0
24	14.4	14.1	14.3	9.5	9.4	9.5	2.6	2.4	2.5	3.0	2.8	2.9
25	14.1	13.9	14.0	9.4	9.1	9.3	2.7	2.4	2.6	3.0	2.8	2.9
26	14.1	13.9	14.0	9.1	8.5	8.8	2.7	2.4	2.6	3.2	3.0	3.1
27	14.1	14.0	14.0	8.5	7.9	8.3	2.6	2.4	2.5	3.0	2.7	2.9
28	14.1	14.0	14.1	7.9	6.6	7.1	2.7	2.5	2.5	2.7	2.6	2.7
29	14.4	14.1	14.2	6.6	6.2	6.4	2.7	2.5	2.5	2.8	2.6	2.7
30	14.6	14.4	14.5	6.2	6.1	6.1	2.6	2.5	2.5	2.9	2.7	2.8
31	14.5	14.4	14.5	---	---	---	2.6	2.4	2.6	2.8	2.7	2.8
MONTH	20.8	13.9	16.8	14.5	6.1	10.5	8.3	2.4	4.7	5.0	2.0	3.6

03325000 WABASH RIVER AT WABASH, IN

LOCATION.--Lat 40°47'27", long 85°49'13", in SE $\frac{1}{4}$ NW $\frac{1}{4}$ 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 and Grand Lake Reservoir.

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e340	972	5,890	5,530	7,180	4,570	1,100	4,070	264	1,320	229	105
2	e534	1,000	6,010	5,780	7,120	4,340	941	2,710	252	1,180	216	102
3	e535	1,060	4,570	7,760	6,960	4,000	845	1,220	232	1,020	182	169
4	e524	1,840	2,600	7,360	6,560	3,610	1,060	910	241	662	161	247
5	e525	2,010	1,700	7,190	6,230	3,930	1,480	650	248	369	155	205
6	e495	1,530	1,360	6,370	5,800	5,330	1,260	665	408	261	150	160
7	e495	1,360	4,320	6,180	6,250	5,100	862	679	614	219	138	140
8	e496	1,250	6,790	6,770	e7,200	3,860	817	558	620	198	134	118
9	e490	1,210	7,120	7,830	e7,000	2,600	700	544	571	190	133	104
10	e496	988	6,650	8,040	7,210	1,700	634	627	421	168	130	101
11	e512	739	7,030	8,710	7,580	1,260	614	668	361	150	118	100
12	e500	637	6,390	12,700	7,830	1,250	586	571	651	134	119	100
13	e490	611	5,080	12,100	8,140	1,070	465	591	1,610	130	166	102
14	e512	576	3,340	10,100	9,320	999	441	686	2,310	136	319	110
15	e584	566	2,010	8,360	7,110	836	434	1,090	2,480	155	286	117
16	647	644	1,490	8,190	8,060	829	460	983	1,030	234	e200	149
17	652	742	1,290	8,100	6,960	846	341	683	729	355	e186	167
18	714	772	1,240	8,220	7,080	826	258	598	414	355	172	158
19	825	893	1,100	8,220	7,270	821	237	533	393	359	155	388
20	937	1,280	e670	8,040	7,070	1,100	256	599	366	326	139	426
21	948	1,390	646	8,040	7,170	1,120	401	939	312	270	121	418
22	943	1,190	782	7,910	7,180	988	382	1,090	271	219	116	328
23	1,030	1,110	e791	7,760	7,550	965	1,490	874	258	187	113	226
24	1,020	1,370	e764	7,830	7,370	842	4,360	609	246	188	111	198
25	893	4,900	e800	7,900	6,500	1,000	4,410	545	195	180	108	223
26	920	5,630	e773	7,690	5,990	3,130	4,430	452	171	176	106	1,000
27	932	5,550	e736	7,560	5,170	4,560	4,880	404	164	599	e108	3,290
28	937	6,940	e707	7,550	4,820	3,380	4,820	332	163	756	e105	3,410
29	937	6,050	e689	7,710	---	2,530	4,630	314	215	444	e104	2,240
30	948	5,110	e701	7,310	---	1,720	4,330	310	752	350	e103	1,620
31	959	---	2,880	7,530	---	1,200	---	286	---	287	e104	---
TOTAL	21,770	59,920	86,919	246,340	195,680	70,312	47,924	25,790	16,962	11,577	4,687	16,221
MEAN	702	1,997	2,804	7,946	6,989	2,268	1,597	832	565	373	151	541
MAX	1,030	6,940	7,120	12,700	9,320	5,330	4,880	4,070	2,480	1,320	319	3,410
MIN	340	566	646	5,530	4,820	821	237	286	163	130	103	100
CFSM	0.40	1.13	1.59	4.49	3.95	1.28	0.90	0.47	0.32	0.21	0.09	0.31
IN.	0.46	1.26	1.83	5.18	4.12	1.48	1.01	0.54	0.36	0.24	0.10	0.34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 2005, BY WATER YEAR (WY)

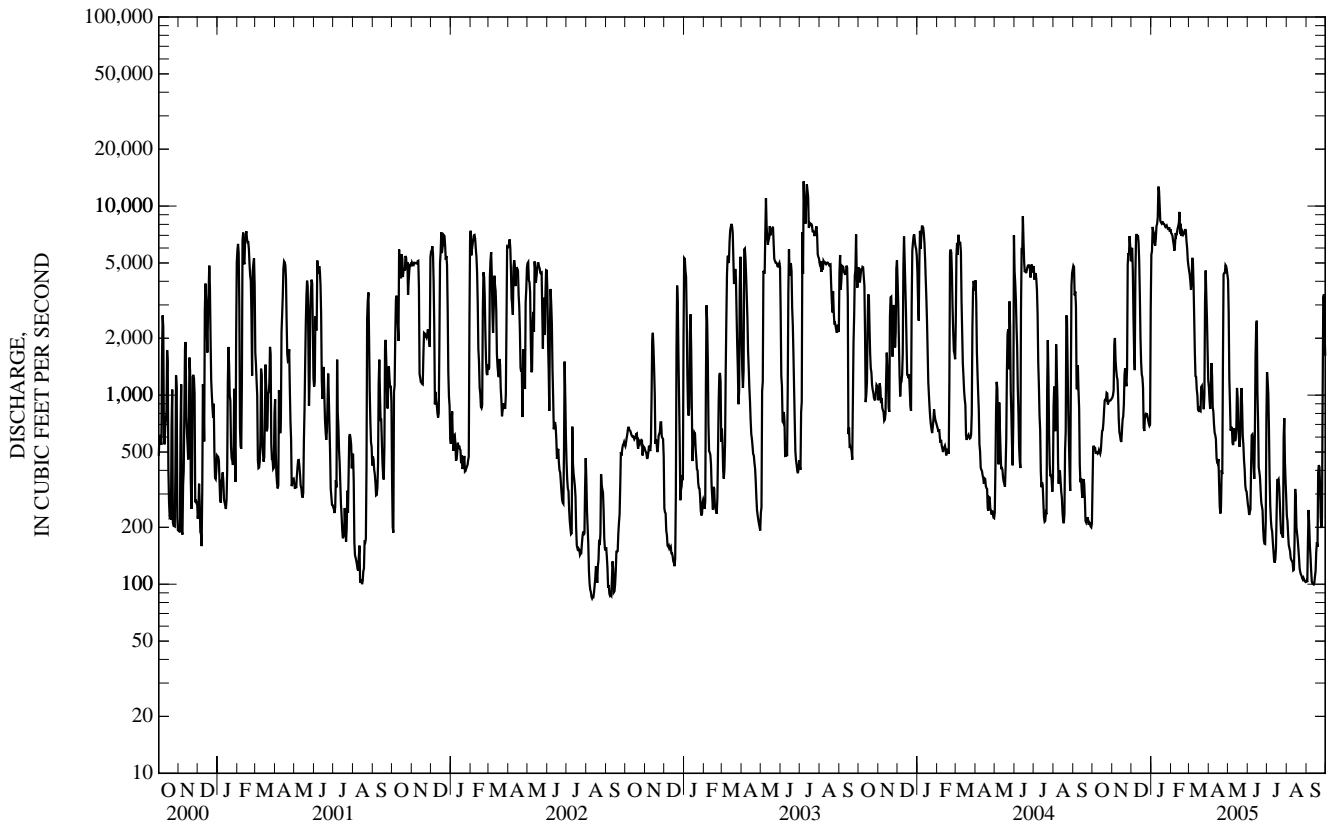
MEAN	655	1,000	1,756	2,259	2,474	3,039	2,620	1,651	1,434	915	564	543
MAX	3,667	5,044	5,829	13,260	7,764	8,144	11,060	10,410	8,260	7,253	4,887	5,676
(WY)	(2002)	(1993)	(1968)	(1950)	(1959)	(1982)	(1957)	(1943)	(1958)	(2003)	(1998)	(1926)
MIN	32.3	61.7	56.0	72.8	114	177	264	135	78.3	55.4	43.4	29.9
(WY)	(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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1924 - 2005	
ANNUAL TOTAL	676,908		804,102			
ANNUAL MEAN	1,849		2,203		1,573	
HIGHEST ANNUAL MEAN					2,994	1950
LOWEST ANNUAL MEAN					276	1931
HIGHEST DAILY MEAN	8,840	Jun 14	12,700	Jan 12	47,800	May 18, 1943
LOWEST DAILY MEAN	200	Sep 29	100	Sep 11	17	Aug 3, 1934
ANNUAL SEVEN-DAY MINIMUM	209	Sep 24	104	Aug 27	18	Aug 3, 1934
MAXIMUM PEAK FLOW			14,100	Jan 12	49,600	May 18, 1943
MAXIMUM PEAK STAGE			16.20	Jan 12	24.44	Feb 11, 1959
ANNUAL RUNOFF (CFSM)	1.05		1.25		0.889	
ANNUAL RUNOFF (INCHES)	14.24		16.92		12.09	
10 PERCENT EXCEEDS	5,150		7,180		4,700	
50 PERCENT EXCEEDS	828		800		548	
90 PERCENT EXCEEDS	302		155		90	

e Estimated



03325500 MISSISSINewa RIVER NEAR RIDGEVILLE, IN

LOCATION.--Lat 40°16'48", long 84°59'33", in NW¹/₄NW¹/₄ 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 fair except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.5	17	749	719	e35	80	77	119	30	441	6.2	91
2	8.3	510	297	426	e30	62	584	97	31	91	5.6	28
3	7.8	478	166	2,120	30	59	538	82	31	51	5.4	13
4	7.6	245	116	3,190	29	60	181	72	30	32	5.1	9.0
5	6.9	171	88	e3,650	29	106	119	65	27	25	5.7	7.3
6	7.7	97	84	e4,200	40	195	92	63	28	20	6.4	6.4
7	7.8	65	695	2,980	778	141	87	62	26	18	6.2	5.9
8	8.9	40	597	840	2,290	96	88	57	24	16	5.5	6.1
9	9.5	29	273	479	1,260	67	73	52	22	14	4.9	7.1
10	8.9	26	472	953	637	60	65	51	276	12	4.7	7.1
11	8.7	27	441	1,870	276	61	58	48	280	11	5.3	6.4
12	9.9	130	259	4,920	171	55	57	85	89	10	19	5.4
13	15	70	154	4,150	212	45	59	55	1,980	11	11	5.2
14	21	42	98	3,080	856	38	46	214	431	11	7.1	5.6
15	20	34	78	897	600	36	39	285	168	11	7.8	11
16	28	34	71	336	682	33	36	101	96	11	11	887
17	16	37	62	e185	597	35	35	73	71	11	7.7	171
18	22	42	59	e140	195	36	37	61	58	9.9	6.0	51
19	61	131	52	125	128	36	35	229	46	11	8.1	25
20	28	250	e40	99	109	39	36	498	39	8.5	5.7	24
21	17	108	e35	81	184	34	116	165	35	7.4	4.8	22
22	13	73	e30	74	160	32	553	103	31	8.1	4.1	17
23	14	66	e26	e64	112	45	2,380	84	27	8.1	3.8	16
24	111	544	e24	e62	97	51	2,070	68	25	7.3	3.7	324
25	45	1,170	e23	e60	83	261	769	59	25	6.8	3.4	418
26	24	358	e22	56	75	716	611	52	25	7.4	3.5	2,310
27	36	199	e21	e41	66	241	904	47	24	46	3.6	547
28	58	330	e21	e40	72	192	317	45	129	20	3.7	175
29	35	181	e46	39	---	176	201	40	187	11	3.7	197
30	29	180	285	41	---	115	157	35	177	7.9	27	105
31	21	---	1,900	e37	---	97	---	33	---	6.9	469	---
TOTAL	714.5	5,684	7,284	35,954	9,833	3,300	10,420	3,100	4,468	962.3	674.7	5,503.5
MEAN	23.0	189	235	1,160	351	106	347	100	149	31.0	21.8	183
MAX	111	1,170	1,900	4,920	2,290	716	2,380	498	1,980	441	469	2,310
MIN	6.9	17	21	37	29	32	35	33	22	6.8	3.4	5.2
CFSM	0.17	1.42	1.77	8.72	2.64	0.80	2.61	0.75	1.12	0.23	0.16	1.38
IN.	0.20	1.59	2.04	10.06	2.75	0.92	2.91	0.87	1.25	0.27	0.19	1.54

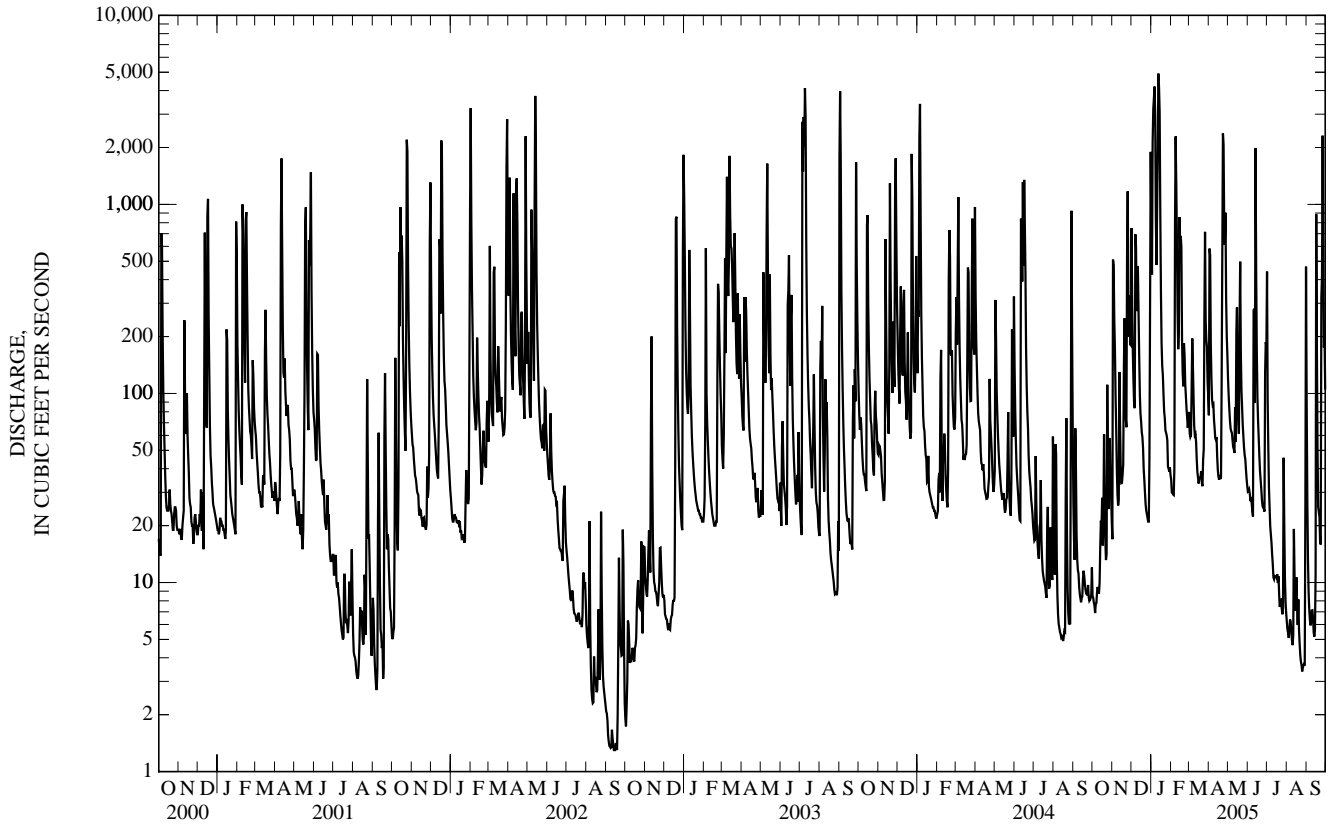
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2005, BY WATER YEAR (WY)

MEAN	35.5	95.4	150	196	205	245	221	127	146	101	37.4	38.0
MAX	314	729	872	1,160	548	714	810	371	1,417	709	454	384
(WY)	(2002)	(1994)	(1991)	(2005)	(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)

03325500 MISSISSINewa RIVER NEAR RIDGEVILLE, IN—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1947 - 2005	
ANNUAL TOTAL	47,513.7		87,898.0		133	
ANNUAL MEAN	130		241		241	
HIGHEST ANNUAL MEAN					29.8	
LOWEST ANNUAL MEAN					1954	
HIGHEST DAILY MEAN	3,400	Jan 5	4,920	Jan 12	11,300	Jun 10, 1958
LOWEST DAILY MEAN	4.9	Aug 16	3.4	Aug 25	0.10	Oct 24, 1946
ANNUAL SEVEN-DAY MINIMUM	5.2	Aug 11	3.6	Aug 23	0.23	Oct 5, 1946
MAXIMUM PEAK FLOW			5,090	Jan 12	13,900	Jun 10, 1958
MAXIMUM PEAK STAGE			15.51	Jan 12	16.25	Jun 10, 1958
INSTANTANEOUS LOW FLOW			3.9	Aug 25		
ANNUAL RUNOFF (CFSM)	0.976		1.81		0.997	
ANNUAL RUNOFF (INCHES)	13.29		24.59		13.55	
10 PERCENT EXCEEDS	325		565		280	
50 PERCENT EXCEEDS	36		52		29	
90 PERCENT EXCEEDS	8.7		7.3		4.0	

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	133	1,560	3,090	e275	473	479	754	207	368	72	742
2	52	149	2,100	2,820	e270	452	459	629	204	718	61	646
3	52	718	1,130	5,130	e265	430	650	541	205	389	56	294
4	50	1,020	686	10,100	e260	403	1,070	475	201	200	51	188
5	47	587	528	12,200	e260	443	651	426	212	139	55	143
6	49	485	461	14,400	e280	592	493	390	204	109	64	113
7	51	339	1,050	e11,000	1,120	689	457	365	194	92	65	92
8	51	250	2,520	e7,200	5,140	636	458	346	186	81	57	82
9	51	198	2,050	3,550	5,650	513	422	326	178	73	53	77
10	50	167	1,110	2,150	4,100	441	388	313	195	69	49	74
11	48	153	2,140	5,310	2,230	407	350	299	174	64	49	71
12	48	146	1,840	17,100	1,310	388	328	735	370	71	54	67
13	59	160	1,070	20,500	1,400	361	324	518	1,100	65	168	64
14	66	259	706	17,600	3,200	328	302	541	1,030	65	228	61
15	68	197	544	10,200	4,150	303	280	633	1,330	72	184	64
16	69	169	469	4,300	2,970	284	257	675	566	93	123	91
17	68	155	427	1,720	2,420	277	242	540	391	120	92	708
18	100	153	389	e1,060	1,760	273	239	413	303	140	91	805
19	88	166	359	e830	1,000	281	234	407	251	113	94	346
20	96	191	e255	e700	763	295	263	829	219	81	164	218
21	107	380	e225	e600	922	290	531	1,120	198	70	172	161
22	126	346	e205	e520	899	276	1,090	724	182	90	100	137
23	103	255	e188	e470	788	280	6,260	519	168	94	69	145
24	101	356	e186	e420	660	284	6,870	428	160	81	55	173
25	140	2,430	e182	e380	578	443	5,080	362	152	69	47	447
26	179	2,530	e180	e350	522	1,570	2,910	316	146	67	43	1,480
27	189	1,320	e178	e320	474	1,590	2,670	286	140	156	40	2,620
28	155	1,260	e177	e300	466	1,040	2,200	265	206	126	38	2,270
29	138	1,210	e190	e290	---	726	1,330	249	215	141	36	822
30	162	848	e260	e285	---	630	932	234	280	135	38	622
31	164	---	2,070	e280	---	553	---	219	---	96	47	---
TOTAL	2,778	16,730	25,435	155,175	44,132	15,951	38,219	14,877	9,567	4,247	2,515	13,823
MEAN	89.6	558	820	5,006	1,576	515	1,274	480	319	137	81.1	461
MAX	189	2,530	2,520	20,500	5,650	1,590	6,870	1,120	1,330	718	228	2,620
MIN	47	133	177	280	260	273	234	219	140	64	36	61
CFSM	0.13	0.82	1.20	7.34	2.31	0.75	1.87	0.70	0.47	0.20	0.12	0.68
IN.	0.15	0.91	1.39	8.46	2.41	0.87	2.08	0.81	0.52	0.23	0.14	0.75

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 2005, BY WATER YEAR (WY)

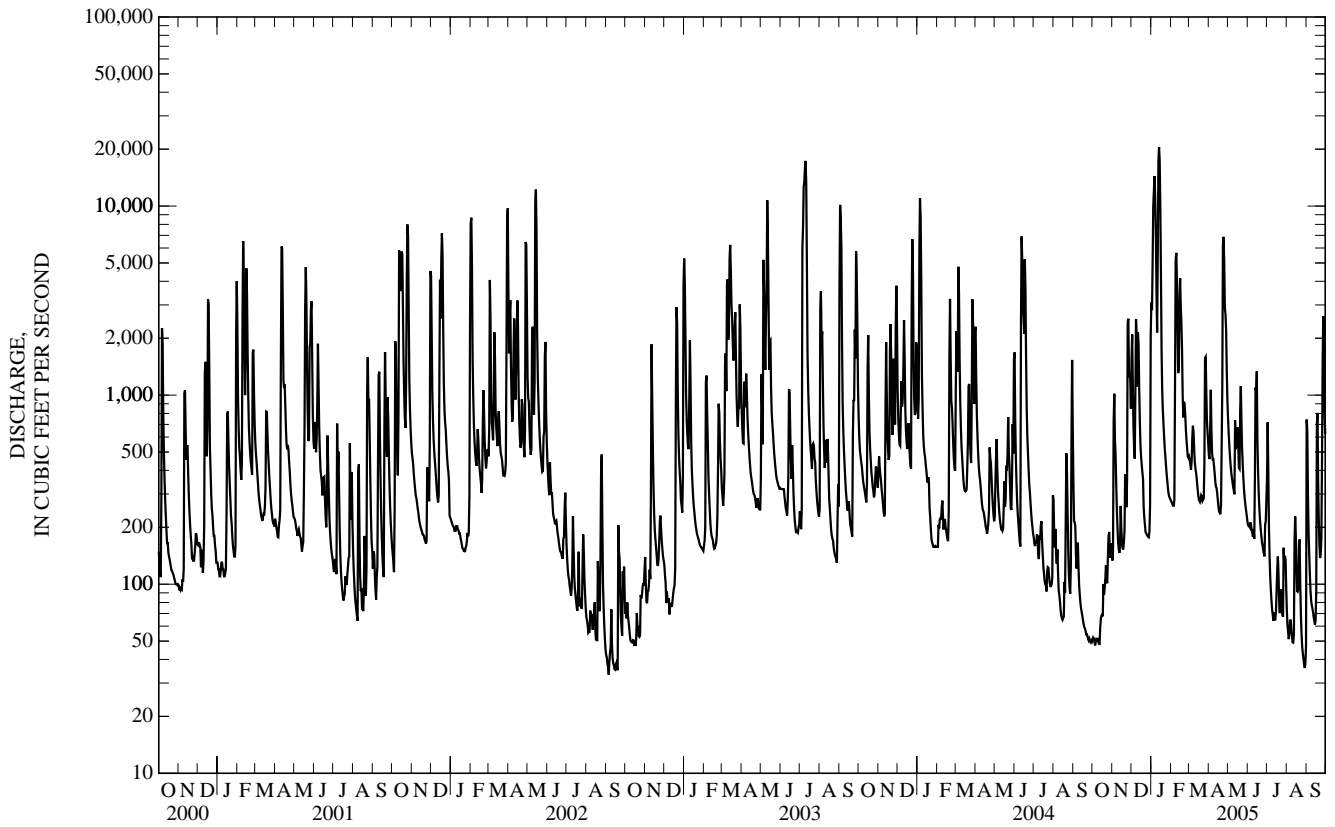
MEAN	198	410	697	947	949	1,235	1,126	734	638	427	208	246
MAX	2,259	2,626	2,947	5,129	2,707	3,181	3,699	3,776	4,765	3,308	1,522	4,223
(WY)	(2002)	(1993)	(1991)	(1930)	(1990)	(1982)	(1964)	(1933)	(1958)	(2003)	(1998)	(1926)
MIN	22.8	28.0	36.9	36.1	52.5	65.3	123	40.5	49.3	32.6	25.4	24.1
(WY)	(1929)	(1929)	(1964)	(1945)	(1964)	(1941)	(1941)	(1941)	(1988)	(1936)	(1940)	(1940)

WABASH RIVER BASIN

03326500 MISSISSINEWA RIVER AT MARION, IN—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1924 - 2005	
ANNUAL TOTAL	217,187		343,449			
ANNUAL MEAN	593		941		642	
HIGHEST ANNUAL MEAN					1,167	1927
LOWEST ANNUAL MEAN					106	1941
HIGHEST DAILY MEAN	11,000	Jan 5	20,500	Jan 13	23,400	Jun 11, 1958
LOWEST DAILY MEAN	47	Oct 5	36	Aug 29	3.4	Oct 25, 1968
ANNUAL SEVEN-DAY MINIMUM	50	Oct 5	41	Aug 25	8.4	Oct 17, 1940
MAXIMUM PEAK FLOW			21,300		25,000	Mar 21, 1927
MAXIMUM PEAK STAGE			15.84		17.40	Mar 21, 1927
ANNUAL RUNOFF (CFSM)	0.870		1.38		0.942	
ANNUAL RUNOFF (INCHES)	11.85		18.73		12.80	
10 PERCENT EXCEEDS	1,470		2,120		1,500	
50 PERCENT EXCEEDS	226		285		204	
90 PERCENT EXCEEDS	68		65		49	

e Estimated



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, 28.6°C, July 25, Aug. 7, minimum, 1.5°C, Dec. 24, 26, 27.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	21.1	19.9	20.3	13.8	13.6	13.7	6.1	5.7	5.9	1.9	1.6	1.8
2	20.7	19.5	20.1	14.0	13.3	13.7	5.7	5.5	5.6	2.3	1.6	1.8
3	20.2	19.0	19.5	13.8	12.9	13.2	5.7	5.3	5.4	4.1	2.3	3.1
4	19.6	18.4	19.0	13.0	12.7	12.9	5.6	5.2	5.4	6.0	4.1	5.2
5	19.3	17.8	18.4	12.8	12.1	12.5	5.9	5.1	5.4	6.1	5.5	5.8
6	19.1	17.6	18.1	12.4	11.8	12.0	5.7	5.4	5.5	5.9	5.6	5.8
7	18.9	17.5	18.0	12.1	10.9	11.6	6.4	5.6	6.1	5.6	4.8	5.3
8	18.2	17.7	17.9	11.9	10.8	11.1	6.1	6.0	6.1	4.8	4.3	4.7
9	18.4	17.3	17.7	11.6	10.5	10.9	7.5	6.0	6.6	4.3	3.4	3.7
10	18.7	17.0	17.5	11.4	10.4	10.8	8.1	7.5	7.8	4.2	3.1	3.6
11	17.9	16.9	17.3	11.1	10.0	10.5	7.5	6.9	7.3	3.2	2.7	3.0
12	17.4	16.6	16.9	10.7	9.2	9.8	7.5	7.3	7.5	3.6	2.9	3.2
13	16.8	16.4	16.6	10.5	8.9	9.5	7.3	6.2	6.8	4.3	3.5	3.9
14	17.0	16.0	16.4	10.4	8.6	9.3	6.7	5.4	5.9	4.2	3.5	3.8
15	16.0	14.9	15.5	9.7	8.7	9.3	5.5	4.8	5.2	3.8	3.5	3.7
16	14.9	13.6	14.4	9.7	9.3	9.5	5.0	4.5	4.7	3.8	3.6	3.7
17	15.5	13.0	13.9	9.7	8.7	9.2	4.7	4.1	4.4	3.9	3.3	3.7
18	13.2	12.5	12.8	8.9	8.2	8.5	5.1	4.1	4.3	3.4	3.2	3.2
19	12.9	12.5	12.7	8.7	8.2	8.4	4.1	3.2	3.6	3.3	3.1	3.2
20	13.1	12.6	12.8	8.9	7.9	8.5	3.3	2.2	3.0	3.4	3.2	3.3
21	13.0	12.0	12.6	9.1	8.0	8.4	4.4	2.1	2.9	3.5	3.2	3.4
22	13.0	11.4	12.1	9.7	8.4	9.0	2.7	1.7	2.2	3.4	3.2	3.3
23	13.1	12.1	12.7	9.5	9.1	9.3	4.1	1.6	2.1	3.5	3.1	3.3
24	13.1	12.1	12.5	9.3	8.4	9.1	2.3	1.5	1.8	3.5	3.2	3.4
25	13.6	11.9	12.5	8.7	8.2	8.5	2.0	1.7	1.8	3.4	3.2	3.2
26	13.4	12.2	12.8	8.4	8.3	8.3	2.1	1.5	1.8	3.3	3.1	3.2
27	14.2	12.9	13.4	8.3	7.7	8.2	1.9	1.5	1.6	3.1	2.7	2.9
28	14.4	12.8	13.4	7.7	6.6	6.9	2.0	1.6	1.8	2.7	2.4	2.5
29	14.3	13.4	13.9	6.6	6.1	6.3	3.1	1.8	2.1	2.5	2.3	2.4
30	14.8	13.5	14.0	6.2	6.0	6.1	2.3	1.9	2.1	2.6	2.2	2.4
31	14.6	13.4	13.8	---	---	---	2.3	1.8	2.0	2.3	2.1	2.2
MONTH	21.1	11.4	15.5	14.0	6.0	9.8	8.1	1.5	4.3	6.1	1.6	3.5

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 for 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	513	1,300	7,440	7,870	12,200	5,140	1,650	4,990	462	1,410	348	137
2	866	1,390	8,490	9,110	12,000	4,930	1,470	4,180	440	1,660	275	472
3	886	1,370	7,730	11,900	11,400	4,640	1,250	2,170	425	1,820	262	783
4	869	2,450	4,600	12,400	10,100	4,160	1,090	1,820	395	1,140	237	429
5	812	3,600	2,720	11,900	8,710	4,200	1,650	1,290	437	673	215	327
6	765	2,470	2,150	e11,000	7,140	5,600	1,630	1,120	668	483	211	270
7	773	2,130	4,660	e10,200	6,840	5,790	1,100	1,100	965	335	203	239
8	795	1,590	9,640	e10,800	10,500	4,870	1,060	981	986	276	218	174
9	795	1,470	10,400	e11,600	10,600	3,680	908	934	839	253	356	161
10	784	1,280	9,230	e12,100	11,800	2,810	830	1,010	784	237	238	156
11	799	978	8,800	14,500	12,200	2,150	784	1,340	675	209	224	152
12	844	735	8,550	17,400	12,600	2,010	764	1,200	788	208	200	156
13	802	709	7,060	17,300	12,500	1,710	686	1,210	2,400	208	229	152
14	796	685	4,760	14,700	12,900	1,620	620	1,290	3,800	226	402	162
15	736	697	2,700	12,400	9,400	1,410	601	1,890	4,050	228	570	179
16	781	800	2,110	13,400	11,300	1,300	600	1,930	2,660	307	496	206
17	735	990	1,770	13,700	10,300	1,320	543	1,570	1,450	413	439	200
18	810	961	1,640	13,800	11,400	1,300	460	1,440	734	589	335	593
19	867	1,050	1,430	13,900	11,400	1,270	361	1,110	705	591	283	1,160
20	1,100	1,430	1,220	13,600	11,300	1,460	376	1,160	644	506	252	785
21	1,180	1,790	884	13,700	9,930	1,670	584	1,950	574	366	234	734
22	1,170	1,630	863	13,800	8,510	1,490	564	2,410	486	319	233	551
23	1,250	1,520	1,050	13,500	9,010	1,480	1,000	1,960	461	246	234	488
24	1,290	1,590	e900	13,400	8,710	1,370	4,280	1,120	409	214	231	397
25	1,160	5,550	e838	13,500	7,370	1,400	5,290	1,010	376	214	186	432
26	1,140	8,220	e1,170	13,200	6,830	3,380	6,540	929	278	247	193	1,310
27	1,190	8,340	e1,350	12,900	5,860	6,430	7,940	843	234	624	191	4,750
28	1,200	9,830	e1,370	12,800	5,460	5,220	7,620	745	224	1,100	148	6,310
29	1,240	8,650	e1,380	12,900	---	3,900	6,730	634	218	713	143	4,710
30	1,260	6,960	915	12,400	---	3,030	5,700	560	520	482	136	2,560
31	1,260	---	2,560	12,800	---	1,950	---	490	---	431	140	---
TOTAL	29,468	82,165	120,380	398,480	278,270	92,690	64,681	46,386	28,087	16,728	8,062	29,135
MEAN	951	2,739	3,883	12,850	9,938	2,990	2,156	1,496	936	540	260	971
MAX	1,290	9,830	10,400	17,400	12,900	6,430	7,940	4,990	4,050	1,820	570	6,310
MIN	513	685	838	7,870	5,460	1,270	361	490	218	208	136	137
CFSM	0.35	1.02	1.45	4.79	3.70	1.11	0.80	0.56	0.35	0.20	0.10	0.36
IN.	0.41	1.14	1.67	5.52	3.85	1.28	0.90	0.64	0.39	0.23	0.11	0.40

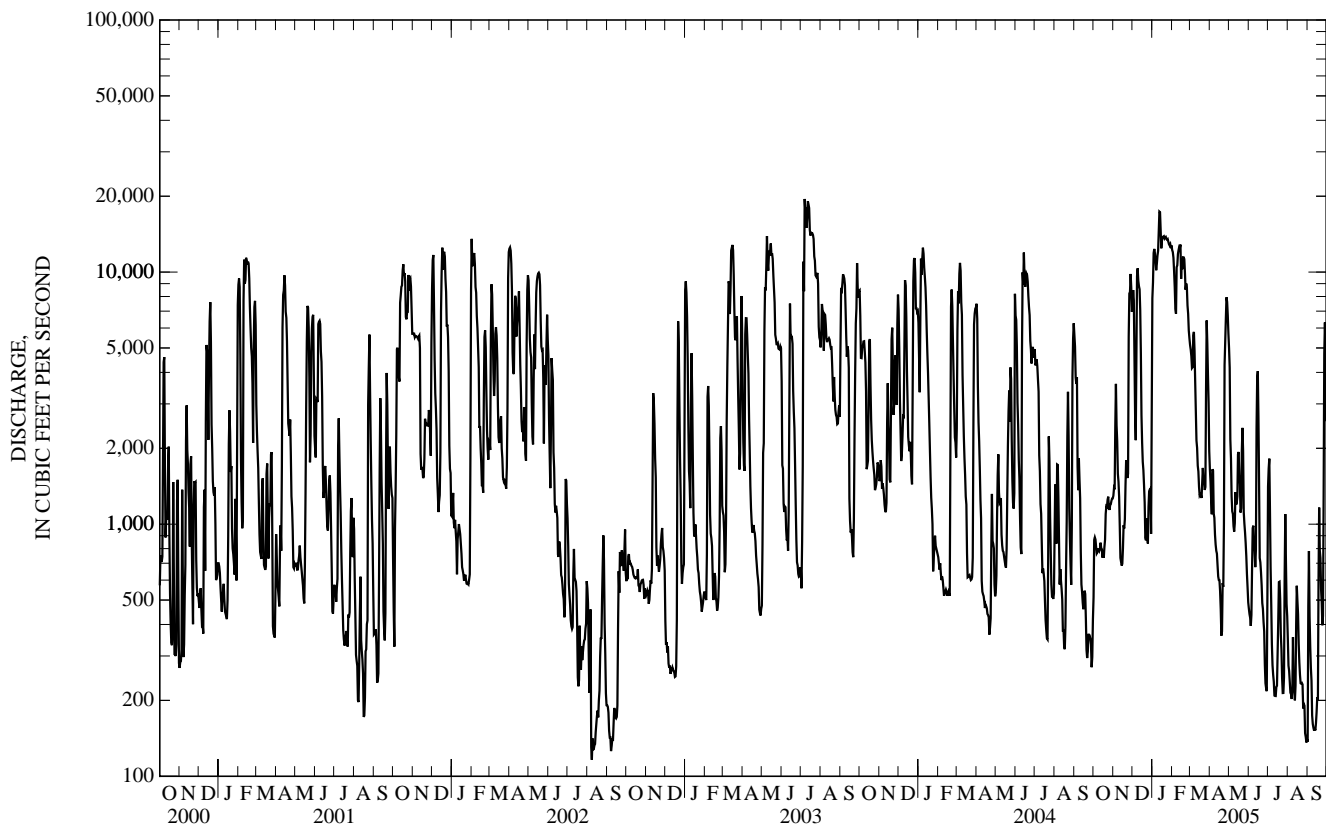
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2005, BY WATER YEAR (WY)

MEAN	1,188	1,748	2,742	3,468	3,774	4,586	3,999	2,511	2,462	1,703	927	899
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1944 - 2005	
ANNUAL TOTAL	955,644		1,194,532		2,493	
ANNUAL MEAN	2,611		3,273		4,425	
HIGHEST ANNUAL MEAN					691	
LOWEST ANNUAL MEAN					1954	
HIGHEST DAILY MEAN	12,500	Jan 8	17,400	Jan 12	50,900	Jun 12, 1958
LOWEST DAILY MEAN	271	Sep 28	136	Aug 30	72	Oct 5, 1946
ANNUAL SEVEN-DAY MINIMUM	334	Sep 23	155	Aug 26	85	Oct 29, 1944
MAXIMUM PEAK FLOW			18,100		68,000	
MAXIMUM PEAK STAGE			13.36		24.46	
ANNUAL RUNOFF (CFSM)	0.972		1.22		0.928	
ANNUAL RUNOFF (INCHES)	13.24		16.54		12.61	
10 PERCENT EXCEEDS	7,530		11,300		7,090	
50 PERCENT EXCEEDS	1,220		1,190		1,030	
90 PERCENT EXCEEDS	500		234		225	

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. 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 for discharges above 2400 ft³/s which are fair and estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--The flood of Dec. 30, 1990, reached a stage of 20.16 ft (at current datum) from estimated discharge of 8,740 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	104	115	1,790	853	e300	620	388	214	137	173	97	e67
2	102	163	1,440	948	e290	561	382	204	133	134	91	e66
3	102	178	940	1,920	e290	511	362	194	135	118	e87	e66
4	103	174	730	3,500	e290	494	334	185	134	113	e83	e66
5	106	218	594	3,270	e280	838	318	179	131	112	e80	e65
6	98	178	560	2,470	e280	1,290	309	176	138	106	77	e65
7	99	155	1,840	1,490	553	1,090	298	173	153	101	75	e65
8	98	138	3,190	1,030	2,110	800	285	171	138	97	75	e65
9	98	127	2,360	807	2,070	586	268	168	130	93	76	e65
10	94	122	1,640	703	1,360	500	259	164	123	91	78	e64
11	94	119	1,710	1,020	922	469	251	158	132	88	78	e64
12	94	114	1,190	3,890	742	457	241	154	152	94	86	e63
13	100	110	862	6,250	1,140	422	236	161	266	94	112	e63
14	101	107	671	6,030	4,140	403	223	436	252	100	161	e64
15	97	106	568	4,200	4,200	394	212	394	196	97	106	e67
16	94	109	505	2,800	3,580	406	205	274	161	135	88	85
17	92	114	461	1,680	2,720	441	203	223	144	172	79	80
18	100	128	426	1,230	1,730	456	204	199	134	147	e72	71
19	111	183	396	1,010	1,230	471	203	195	128	152	e71	69
20	105	387	345	831	1,040	691	206	239	122	140	e71	73
21	103	312	e285	703	2,030	568	210	222	116	121	e71	69
22	100	234	e240	613	2,050	473	208	199	112	149	e70	69
23	98	199	e230	548	1,480	435	283	197	108	146	e70	83
24	107	440	e210	e480	1,090	411	300	182	105	124	e70	79
25	116	1,900	e200	e430	871	436	289	174	104	107	e69	e81
26	109	1,350	e205	e410	741	765	262	164	102	104	e69	e127
27	105	1,440	e200	e370	651	659	274	157	100	199	e72	113
28	101	2,390	e200	e350	606	539	259	152	255	185	e71	92
29	101	1,620	e195	e330	---	460	238	150	344	143	e70	108
30	114	1,110	265	e320	---	409	226	146	195	118	e69	103
31	132	---	595	e310	---	409	---	141	---	104	e68	---
TOTAL	3,178	14,040	25,043	50,796	38,786	17,464	7,936	6,145	4,580	3,857	2,512	2,277
MEAN	103	468	808	1,639	1,385	563	265	198	153	124	81.0	75.9
MAX	132	2,390	3,190	6,250	4,200	1,290	388	436	344	199	161	127
MIN	92	106	195	310	280	394	203	141	100	88	68	63
CFSM	0.25	1.12	1.94	3.93	3.32	1.35	0.63	0.48	0.37	0.30	0.19	0.18
IN.	0.28	1.25	2.23	4.53	3.46	1.56	0.71	0.55	0.41	0.34	0.22	0.20

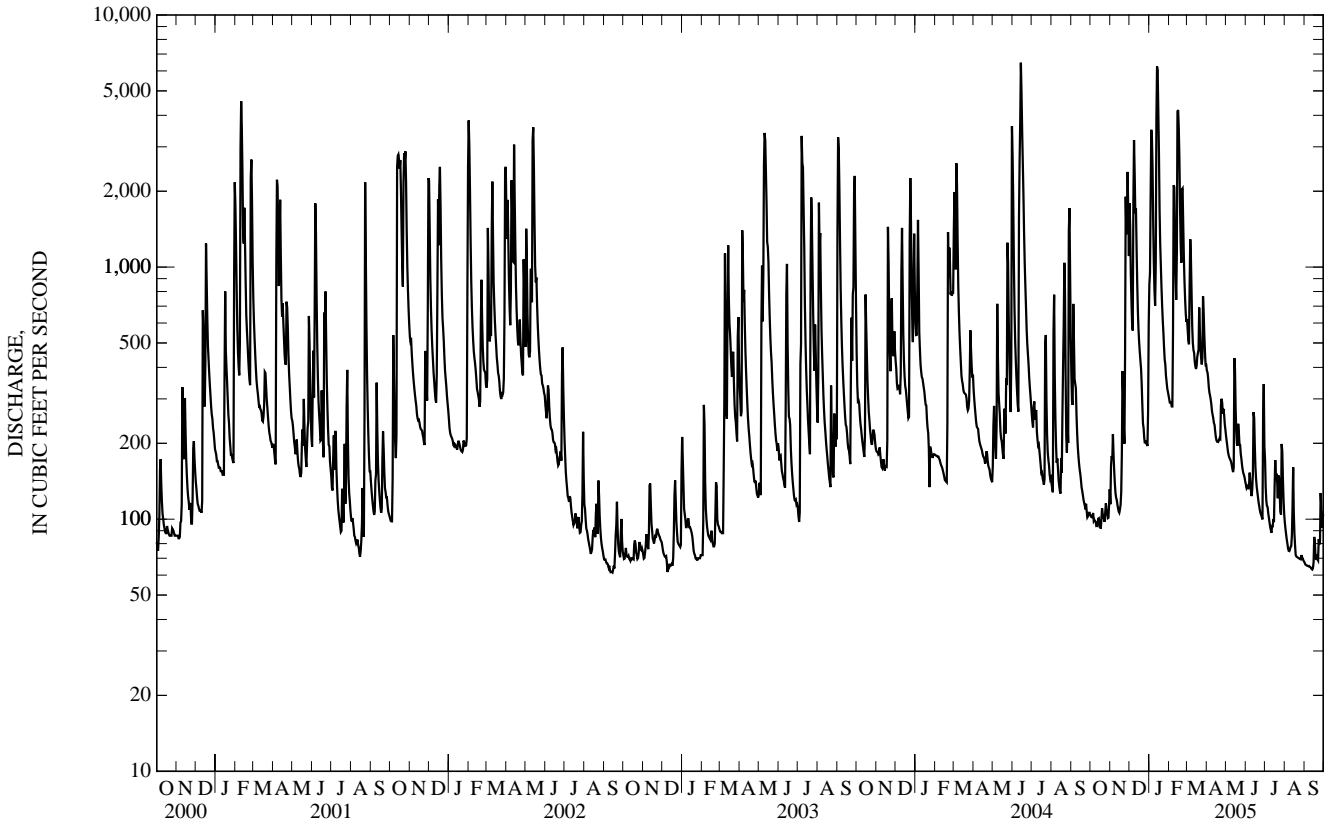
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2005, BY WATER YEAR (WY)

MEAN	180	274	403	489	585	704	663	434	357	223	162	141
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1930 - 2005	
ANNUAL TOTAL	176,111		176,614			
ANNUAL MEAN	481		484		385	
HIGHEST ANNUAL MEAN					783 1950	
LOWEST ANNUAL MEAN					103 1931	
HIGHEST DAILY MEAN	6,470	Jun 14	6,250	Jan 13	7,770	Dec 31, 1990
LOWEST DAILY MEAN	92	Oct 17	63	Sep 12	16	Oct 19, 1956
ANNUAL SEVEN-DAY MINIMUM	96	Oct 11	64	Sep 8	23	Sep 13, 1941
MAXIMUM PEAK FLOW			6,910	Jan 13	8,740	Dec 30, 1990
MAXIMUM PEAK STAGE			12.88	Jan 13	14.81	Dec 30, 1990
ANNUAL RUNOFF (CFSM)	1.15		1.16		0.922	
ANNUAL RUNOFF (INCHES)	15.71		15.76		12.53	
10 PERCENT EXCEEDS	1,190		1,230		907	
50 PERCENT EXCEEDS	234		194		178	
90 PERCENT EXCEEDS	109		76		67	

e Estimated



03328500 EEL RIVER NEAR LOGANSPO, 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, (LOGANSPO, 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	240	294	3,150	1,300	e560	1,150	851	502	278	303	202	138
2	235	447	3,450	1,440	e550	1,080	813	479	275	266	188	133
3	228	522	2,160	2,630	538	978	795	463	276	227	178	129
4	225	542	1,530	5,540	526	920	746	445	275	216	172	128
5	224	552	1,210	5,990	514	979	707	432	273	224	168	126
6	221	515	1,060	5,400	517	1,880	680	422	273	212	167	123
7	221	433	2,020	3,380	781	1,920	664	417	287	196	160	124
8	220	373	5,050	2,200	2,830	1,620	641	410	286	187	153	123
9	216	335	4,400	1,680	3,790	1,280	611	403	264	174	153	122
10	214	314	2,970	1,440	2,730	1,080	587	395	258	165	148	120
11	212	299	2,650	1,710	1,840	992	566	384	279	158	152	118
12	212	287	2,330	6,200	1,420	960	547	376	271	162	161	117
13	220	276	1,700	10,600	1,680	916	543	379	456	165	207	115
14	226	268	1,320	12,100	5,520	859	522	778	583	178	265	117
15	232	263	1,090	9,340	7,400	829	499	873	457	179	304	122
16	221	265	966	5,740	6,600	815	485	664	366	189	227	158
17	215	266	880	3,500	5,490	832	477	508	312	273	196	158
18	231	272	811	2,470	3,580	865	476	435	285	324	185	157
19	247	304	756	1,940	2,370	881	422	475	268	295	177	144
20	260	397	e640	1,570	1,910	955	486	432	253	271	168	138
21	251	616	e570	1,330	2,520	1,100	497	445	240	263	162	132
22	238	512	e520	1,170	3,480	950	515	414	231	312	156	136
23	239	424	e460	e1,000	2,760	865	571	395	222	276	154	153
24	232	533	e390	e920	2,030	822	680	374	214	259	150	156
25	235	2,490	e390	e820	1,650	844	660	350	208	228	147	168
26	243	2,900	e390	e750	1,410	1,200	629	336	203	213	147	225
27	243	2,270	e380	e700	1,250	1,420	591	323	199	512	145	252
28	235	3,900	e380	e660	1,160	1,180	580	311	205	429	149	232
29	237	3,490	e370	e620	---	1,020	549	301	365	339	142	228
30	258	2,420	e470	e600	---	903	523	296	461	264	139	221
31	274	---	657	e580	---	861	---	289	---	224	140	---
TOTAL	7,205	26,779	45,120	95,320	67,406	32,956	17,966	13,453	8,823	7,683	5,362	4,513
MEAN	232	893	1,455	3,075	2,407	1,063	599	434	294	248	173	150
MAX	274	3,900	5,050	12,100	7,400	1,920	851	873	583	512	304	252
MIN	212	263	370	580	514	815	475	289	199	158	139	115
CFSM	0.29	1.13	1.84	3.90	3.05	1.35	0.76	0.55	0.37	0.31	0.22	0.19
IN.	0.34	1.26	2.13	4.49	3.18	1.55	0.85	0.63	0.42	0.36	0.25	0.21

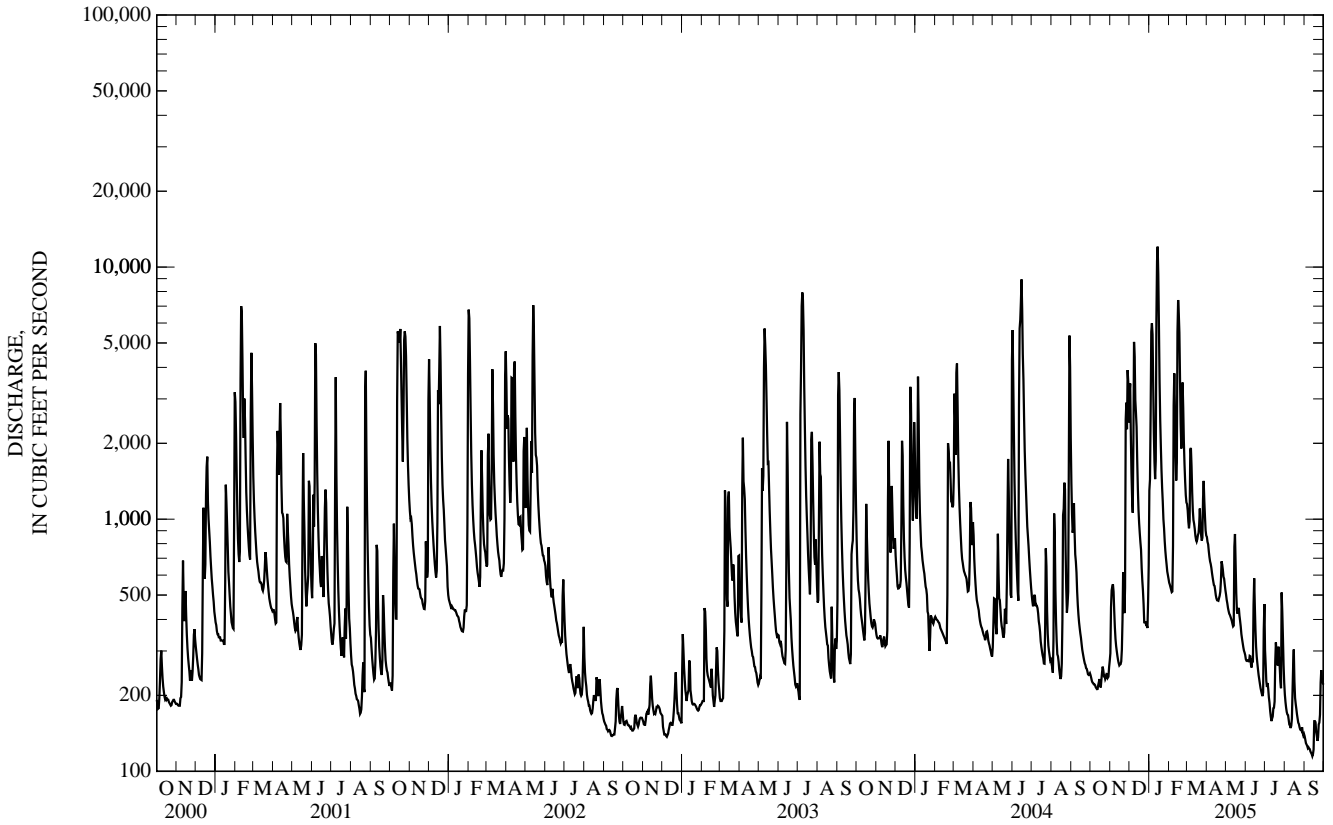
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2005, BY WATER YEAR (WY)

MEAN	380	523	827	976	1,139	1,336	1,278	877	805	520	373	318
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 LOGANSPORT, IN—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1944 - 2005	
ANNUAL TOTAL	328,356		332,586			
ANNUAL MEAN	897		911		777	
HIGHEST ANNUAL MEAN					1,573	1950
LOWEST ANNUAL MEAN					324	1954
HIGHEST DAILY MEAN	8,930	Jun 15	12,100	Jan 14	16,600	Feb 24, 1985
LOWEST DAILY MEAN	212	Oct 11	115	Sep 13	70	Mar 15, 1960
ANNUAL SEVEN-DAY MINIMUM	216	Oct 7	119	Sep 9	76	Dec 17, 1963
MAXIMUM PEAK FLOW			12,300	Jan 14	17,700	Feb 24, 1985
MAXIMUM PEAK STAGE			10.90	Jan 14	12.68	Feb 24, 1985
ANNUAL RUNOFF (CFSM)	1.14		1.15		0.985	
ANNUAL RUNOFF (INCHES)	15.48		15.68		13.38	
10 PERCENT EXCEEDS	2,120		2,290		1,760	
50 PERCENT EXCEEDS	458		414		405	
90 PERCENT EXCEEDS	250		158		156	

e Estimated



03329000 WABASH RIVER AT LOGANSPOUT, IN

LOCATION.--Lat 40°44'47", long 86°22'39", in SW¹/₄NE¹/₄ sec.35, T.27 N., R.1 E., Cass County, Hydrologic Unit 05120105, (CLYMERS, IN quadrangle), on left bank, 150 ft downstream from Cicott Street bridge in Logansport, 1,000 ft downstream from Eel River, 0.85 mi upstream of U.S. Highway 35, and at mile 353.7.

DRAINAGE AREA.--3,779 mi².

PERIOD OF RECORD.--April to September, November and December 1903, March to November 1904, March 1905 to July 1906, May 1923 to current year. January, February, and December 1904, January and February 1905 (gage heights only). Gage-height records collected at same site December 1910 to December 1916, and since January 1926 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 783: 1934. WSP 1335: 1904, 1925(M), 1926-30, 1931(M), 1932-35, 1937-39, 1948. WSP 1385: 1903, 1905-6, 1923-25. WSP 1505: 1906(M). WSP 2109: Drainage area. WDR IN-81-1: 1979.

GAGE.--Water-stage recorder. Datum of gage is 573.28 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). See WSP 1705 for history of changes prior to Oct. 1, 1927.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow partially regulated by Huntington Lake, Salamonie Lake, and Mississinewa Lake.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 25.3 ft March 26, 1913, from floodmarks, discharge, 140,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	782	1,690	11,600	9,140	13,500	6,860	2,620	5,790	949	e1,600	e760	348
2	1,020	2,090	13,300	10,900	13,200	6,510	2,430	5,400	927	1,950	644	332
3	1,170	2,090	11,500	15,000	12,700	6,120	2,260	2,890	917	2,260	581	1,170
4	1,150	2,680	7,490	20,800	11,500	5,510	1,930	2,400	891	1,750	542	762
5	1,120	4,590	4,650	20,500	9,920	5,410	2,250	1,940	906	1,290	500	636
6	1,060	3,310	3,680	19,900	8,550	7,260	2,380	1,690	1,220	997	486	556
7	1,050	2,770	6,520	17,500	7,520	8,100	1,960	1,600	1,540	794	464	500
8	1,060	2,130	16,100	15,900	14,400	7,080	1,760	1,550	1,610	684	439	417
9	1,060	1,880	16,100	16,100	16,400	5,560	1,630	1,450	1,350	603	496	346
10	1,060	1,700	14,000	16,200	16,100	4,160	1,510	1,480	1,290	568	587	322
11	1,060	1,480	12,400	17,700	15,400	3,310	1,440	1,710	1,400	522	477	313
12	1,110	1,200	12,300	28,100	14,900	3,080	1,410	1,670	1,210	500	455	307
13	1,120	1,120	9,990	33,800	15,400	2,700	1,390	1,670	2,940	479	584	303
14	1,080	1,080	7,350	32,200	20,700	2,480	1,250	2,100	5,130	498	749	316
15	1,060	1,050	4,490	25,200	19,000	2,320	1,210	2,730	4,870	503	1,020	375
16	1,040	1,140	3,480	21,100	19,800	2,120	1,180	2,800	3,800	685	923	491
17	1,020	1,280	2,930	18,800	17,500	2,130	1,180	2,280	2,180	809	803	448
18	1,110	1,310	2,680	17,200	16,300	2,150	1,090	2,050	1,360	1,100	742	452
19	1,210	1,390	2,410	16,800	14,900	2,140	995	1,780	1,160	1,190	731	1,390
20	1,390	1,650	2,140	16,100	14,200	2,250	1,000	1,650	1,090	1,070	599	1,130
21	1,470	2,350	1,950	15,800	13,700	2,760	1,200	2,290	1,030	969	555	1,000
22	1,450	2,180	1,630	15,700	13,100	2,490	1,350	3,010	919	966	514	826
23	1,480	2,000	1,700	15,100	12,900	2,370	1,930	2,610	855	831	498	807
24	1,520	2,180	1,310	14,900	11,900	2,260	5,080	1,780	825	726	484	667
25	1,460	7,680	1,180	15,100	9,960	2,270	6,480	1,510	799	658	446	682
26	1,380	12,200	1,680	14,700	9,070	3,780	7,240	1,430	710	620	389	1,230
27	1,450	11,600	1,800	14,300	7,860	8,390	9,250	1,330	655	1,380	390	4,160
28	1,440	14,600	1,890	14,000	7,270	7,170	8,870	1,270	661	1,640	379	6,910
29	1,510	13,800	1,890	14,200	---	5,430	8,150	1,130	726	1,410	350	5,760
30	1,590	10,700	1,680	13,700	---	4,380	6,730	1,070	e1,060	1,000	346	3,010
31	1,610	---	2,270	13,900	---	3,140	---	994	---	e800	356	---
TOTAL	38,092	116,920	184,090	550,340	377,650	131,690	89,155	65,054	44,980	30,852	17,289	35,966
MEAN	1,229	3,897	5,938	17,750	13,490	4,248	2,972	2,099	1,499	995	558	1,199
MAX	1,610	14,600	16,100	33,800	20,700	8,390	9,250	5,790	5,130	2,260	1,020	6,910
MIN	782	1,050	1,180	9,140	7,270	2,120	995	994	655	479	346	303
CFSM	0.33	1.03	1.57	4.70	3.57	1.12	0.79	0.56	0.40	0.26	0.15	0.32
IN.	0.37	1.15	1.81	5.42	3.72	1.30	0.88	0.64	0.44	0.30	0.17	0.35

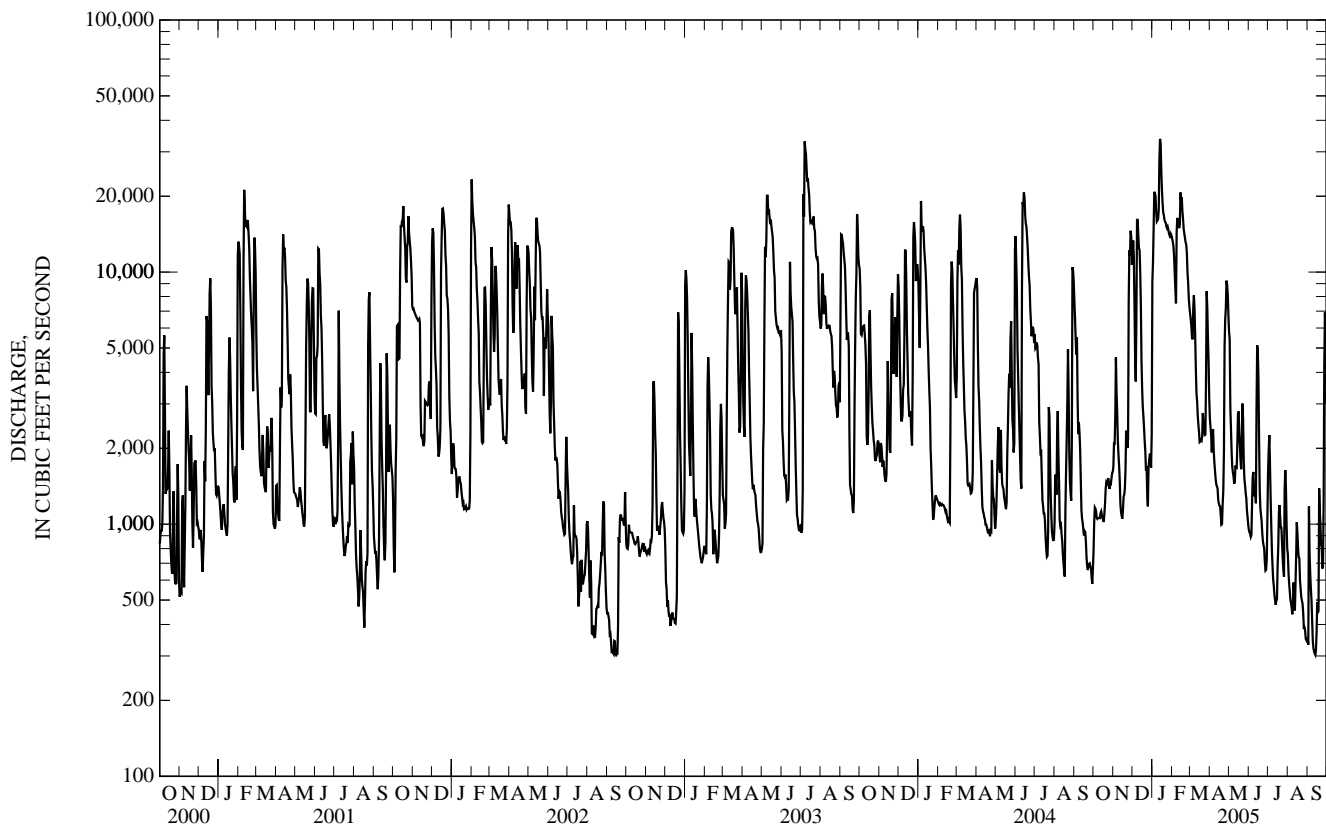
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 2005, BY WATER YEAR (WY)

MEAN	1,533	2,250	3,724	4,765	5,274	6,387	5,762	3,874	3,300	2,204	1,384	1,306
MAX	9,526	10,940	12,340	25,590	15,880	18,180	17,520	21,310	16,440	15,110	9,044	10,710
(WY)	(2002)	(1973)	(1968)	(1950)	(1959)	(1982)	(1957)	(1943)	(1958)	(2003)	(1998)	(1926)
MIN	197	296	252	290	417	638	929	600	388	269	203	176
(WY)	(1964)	(1964)	(1964)	(1945)	(1964)	(1941)	(1971)	(1941)	(1988)	(1936)	(1941)	(1941)

03329000 WABASH RIVER AT LOGANSPORT, IN—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1924 - 2005	
ANNUAL TOTAL	1,422,930		1,682,078		3,470	
ANNUAL MEAN	3,888		4,608		6,614	
HIGHEST ANNUAL MEAN					796	
LOWEST ANNUAL MEAN					1941	
HIGHEST DAILY MEAN	20,700	Jun 14	33,800	Jan 13	84,700	May 19, 1943
LOWEST DAILY MEAN	580	Sep 29	303	Sep 13	135	Sep 26, 1941
ANNUAL SEVEN-DAY MINIMUM	658	Sep 24	326	Sep 9	142	Sep 24, 1941
MAXIMUM PEAK FLOW			35,800	Jan 13	89,800	May 18, 1943
MAXIMUM PEAK STAGE			13.36	Jan 13	21.32	May 18, 1943
ANNUAL RUNOFF (CFSM)	1.03		1.22		0.918	
ANNUAL RUNOFF (INCHES)	14.01		16.56		12.48	
10 PERCENT EXCEEDS	10,900		14,800		9,450	
50 PERCENT EXCEEDS	1,760		1,680		1,490	
90 PERCENT EXCEEDS	950		534		430	

e Estimated



03329700 DEER CREEK NEAR DELPHI, IN

LOCATION.--Lat 40°35'25", long 86°37'17", in NE¹/₄NE¹/₄ sec.27, T.25 N., R.2 W., Carroll County, Hydrologic Unit 05120105, (FLORA, IN quadrangle), on downstream side of left wingwall of county road bridge,0.85 mi south of Sharp Point Cemetery, 3.0 mi northeast of Delphi Post Office, and 4.5 mi upstream from mouth.

DRAINAGE AREA.--274 mi².

PERIOD OF RECORD.--October 1943 to current year. Prior to March 1944 monthly discharge only, published in WSP 1305.

REVISED RECORDS.--WSP 1275: 1944, 1947-48. WSP 2109: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 553.81 ft above National Geodetic Vertical Datum of 1929, (U.S. Army Corps of Engineers bench mark, levels by State of Indiana, Department of Natural Resources).

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in May 1943 reached a stage of 19.8 ft, from floodmarks, discharge, 18,000 ft³/s from rating curve extended above 8,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	239	1,580	434	e175	293	184	165	75	75	75	22
2	62	654	1,410	430	169	261	182	153	77	70	63	20
3	58	686	882	1,250	167	240	180	144	83	67	55	17
4	58	686	645	2,460	165	239	174	136	81	71	50	16
5	57	579	513	2,870	167	248	164	128	76	147	49	15
6	57	443	466	3,470	213	245	158	123	85	82	45	14
7	56	357	1,120	2,020	497	250	155	121	201	65	42	16
8	54	284	1,940	1,200	1,470	240	149	120	143	59	39	14
9	54	239	1,260	865	1,320	213	143	116	106	53	37	13
10	52	217	840	745	845	201	139	111	117	48	36	13
11	50	205	701	1,430	597	202	134	109	833	43	39	13
12	52	188	620	5,430	489	199	133	105	397	43	44	13
13	119	172	513	6,290	718	185	139	e100	1,060	42	95	11
14	146	158	408	5,290	2,160	171	128	e115	869	44	82	13
15	127	151	347	2,290	1,910	163	119	e166	440	47	80	16
16	107	150	317	1,210	1,820	159	114	e130	298	51	62	48
17	92	147	293	794	1,420	159	112	e120	234	192	50	30
18	132	150	271	588	760	158	111	e105	199	201	43	28
19	308	158	256	483	520	156	111	e125	171	226	40	51
20	303	162	228	410	451	152	118	190	149	148	37	78
21	228	156	e220	349	623	145	135	168	132	102	32	40
22	187	155	210	318	661	139	145	138	123	171	30	29
23	169	148	185	263	511	145	213	126	112	150	28	100
24	162	254	e180	e253	432	143	361	116	103	116	27	111
25	148	1,110	e180	e248	377	155	282	107	95	87	25	108
26	137	1,040	e170	e220	333	200	234	98	88	75	25	394
27	135	805	e170	e194	302	257	216	93	82	465	24	303
28	135	1,220	e160	e186	300	226	210	90	93	317	23	203
29	146	940	174	e193	---	204	190	86	106	183	22	254
30	183	757	177	e188	---	182	177	82	83	123	21	243
31	221	---	285	e177	---	184	---	77	---	93	22	---
TOTAL	3,860	12,610	16,721	42,548	19,572	6,114	5,010	3,763	6,711	3,656	1,342	2,246
MEAN	125	420	539	1,373	699	197	167	121	224	118	43.3	74.9
MAX	308	1,220	1,940	6,290	2,160	293	361	190	1,060	465	95	394
MIN	50	147	160	177	165	139	111	77	75	42	21	11
CFSM	0.45	1.53	1.97	5.01	2.55	0.72	0.61	0.44	0.82	0.43	0.16	0.27
IN.	0.52	1.71	2.27	5.78	2.66	0.83	0.68	0.51	0.91	0.50	0.18	0.30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2005, BY WATER YEAR (WY)

MEAN	103	163	250	327	368	430	410	298	280	213	99.3	86.2
MAX	673	1,249	983	1,882	1,039	1,311	1,109	793	1,799	2,130	537	568
(WY)	(2002)	(1993)	(1991)	(1950)	(1959)	(1982)	(1959)	(1983)	(1958)	(2003)	(1958)	(1989)
MIN	15.0	22.7	22.2	17.6	36.1	46.8	44.3	62.2	30.7	22.5	12.5	10.5
(WY)	(1965)	(1954)	(1945)	(1977)	(1954)	(1954)	(2000)	(1976)	(1977)	(1944)	(1966)	(1954)

03329700 DEER CREEK NEAR DELPHI, IN—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1944 - 2005	
ANNUAL TOTAL	116,023		124,153			
ANNUAL MEAN	317		340		251	
HIGHEST ANNUAL MEAN					510	1950
LOWEST ANNUAL MEAN					62.7	1966
HIGHEST DAILY MEAN	3,710	Jan 5	6,290	Jan 13	13,400	Jul 6, 2003
LOWEST DAILY MEAN	43	Aug 17	11	Sep 13	6.2	Sep 25, 1954
ANNUAL SEVEN-DAY MINIMUM	50	Aug 11	13	Sep 8	6.3	Sep 22, 1954
MAXIMUM PEAK FLOW			6,900	Jan 13	18,700	Jul 5, 2003
MAXIMUM PEAK STAGE			11.19	Jan 13	18.64	Jul 5, 2003
ANNUAL RUNOFF (CF5M)	1.16		1.24		0.918	
ANNUAL RUNOFF (INCHES)	15.75		16.86		12.47	
10 PERCENT EXCEEDS	686		774		560	
50 PERCENT EXCEEDS	173		158		106	
90 PERCENT EXCEEDS	85		41		28	

e Estimated

