

7. Flooding in Other Parts of Indiana, Ohio and Michigan in March 1982

This report is an excerpt from the United States Geological Survey (USGS) and National Oceanic and Atmospheric Administration (NOAA) report titled "Floods of March 1982 in Indiana, Ohio, Michigan, and Illinois". The tables are directly from the report.

Extensive flooding occurred over parts of Southern Lower Michigan, Northern Indiana and Ohio in March of 1982. Flooding reached the 100 year level at the River Raisin near Adrian Michigan, the Maumee River at Defiance Ohio, the Kankakee River near North Liberty Indiana as well as at Davis Indiana. A 100 year occurrence means that there is a 1% chance of the event happening.

Other locations receiving 100 year flooding were at the Yellow River at Bremen Indiana and the Yellow River at both Plymouth and at Knox Indiana. More details can be found in the tables below.

TABLE 2.—Summary of peak stage and discharge data
[R, river; nr, near; Cr, creek; m², square miles; ft, feet; ft³/s, cubic feet per second; (ft³/s)/m², cubic feet per second per square mile; dashes indicate missing or unknown value]

Site number	Station number	Station name	Contributing drainage area (m ²)	Period of record (water years)	Maximum flood previously recorded			Maximum during 1982 flood			Recurrence interval (years)		
					Date	Gage height (ft)	Discharge (ft ³ /s)	Date	Gage height (ft)	Discharge (ft ³ /s)			
<i>Wabash River Basin</i>													
1	03322500	Wabash R nr New Corydon, Ind.	262	1952-82	1-22-59	20.47	8,720	33	3-11	17.50	3,580	14	1 < 5
2	03322900	Wabash R at Linn Grove, Ind.	453	1965-82	3-17-78	13.87	9,560	21	3-13	12.63	5,770	13	1 < 5
3	03324000	Little R nr Huntington, Ind.			2-11-59	18.43	---	---					
4	03327790	Eel R tributary nr Columbia City, Ind.	263	1944-82	1- 4-50	---	5,990	23	3-14	19.39	5,700	22	150
5	03327930	Koontz ditch nr Sidney, Ind.	.17	1973-82	6- 4-80	7.71	50	294	3-13	6.21	11	65	< 5
6	03328000	Eel R at North Manchester, Ind.	2.50	1973-82	6-13-81	---	375	150	3-13	---	260	104	5
7	03328020	Otter Cr tributary nr North Manchester, Ind.	417	1930-82	12-22-67	---	7,940	19	3-13	13.72	8,180	20	145
8	03328430	Weesau Cr nr Deedsville, Ind.	.92	1973-82	4-14-81	6.92	195	212	3-13	6.79	175	190	10
9	03328500	Eel R nr Logansport, Ind.	8.87	1971-82	3- 3-79	5.86	284	32	3-13	7.37	464	52	50
10	03330290	Shanton ditch nr Piercetown, Ind.	.70	1973-82	6-13-81	6.52	35	50	3-13	5.42	10	14	< 5
11	03330500	Tippecanoe R at Oswego, Ind.	113	1950-82	10-17-54	8.64	700	6	3-21	9.25	950	8	100
12	03331110	Walnut Cr nr Warsaw, Ind.	19.6	1970-82	6-13-81	5.38	561	29	3-13	4.72	411	21	20
13	03331500	Tippecanoe R at Ora, Ind.	856	1944-82	6-15-81	15.08	8,660	10	3-15	14.98	8,460	10	140
14	03332300	Little Indian Cr nr Royal Center, Ind.	35	1960-82	3- 5-63	---	500	14	3-13	6.75	329	9	< 5
15	03332340	Weltzin ditch tributary nr Francesville, Ind.	.50	1973-82	3-21-78	7.98	68	136	3-13	5.29	9	18	< 5
16	03332400	Big Monon Cr nr Francesville, Ind.	152	1960-82	12-25-65	15.14	2,750	18	3-13	15.66	1,910	12	< 5
<i>St. Joseph River Basin</i>													
17	04096400	St. Joseph R nr Burlington, Mich.	201	1963-82	3- 6-76	5.31	1,030	5	3-21	5.78	1,340	7	45
18	04096515	Hog Cr nr Allen, Mich.	48.7	1970-82	6-28-78	5.78	426	9	3-17	5.63	524	11	45
19	04096600	Coldwater R nr Hodunk, Mich.	293	1963-82	6-28-78	7.77	1,930	7	3-18	8.25	2,260	8	25
20	04096900	Nottawa Cr nr Athens, Mich.	162	1967-82	6-29-78	6.47	1,120	7	3-18	5.02	900	6	15
21	04097170	Portage R nr Vicksburg, Mich.		1947-51									
22	04097500	St. Joseph R at Three Rivers, Mich.	68.2	1965-82	4- 7-47	5.66	356	5	3-21	5.48	292	4	10
23	04097540	Prairie R nr Nottawa, Mich.	1,350	1952-82	3- 7-76	9.08	5,810	4	3-21	10.69	8,180	6	60
24	04097970	Lime Lake outlet at Panama, Ind.	106	1963-82	3- 6-76	5.66	523	5	3-20	6.12	698	7	55
25	04098500	Fawn R nr White Pigeon, Mich.	13.8	1970-82	6-14-81	4.62	38	3	4-03	4.85	46	3	50
26	04098500	Fawn R nr White Pigeon, Mich.	192	1958-82	3- 6-76	4.75	613	3	3-21	5.18	725	4	50
27	04099000	St. Joseph R at Mottville, Mich.	1,866	1924-82	4-27-50	10.76	10,700	6	3-21	9.81	10,100	5	150
28	04099060	Pigeon Cr tributary nr Ellis, Ind.	1.22	1973-82	6-14-81	7.89	110	90	3-20	7.86	110	90	20
29	04099200	Long Lake at Moonlight, Ind.	67.9	1946-82	4- 7-50	16.41	---	---	3-21	17.42	---	---	60
29	04099250	Bower Lake nr Pleasant Lake, Ind.		1946-70									
30	04099500	Hogback Lake nr Angola, Ind.	84.6	1977-82	4- 7-50	15.70	---	---	3-21	17.13	---	---	50
31	04099510	Pigeon Cr nr Angola, Ind.	103	1976-82	4- 8-50	14.93	---	---	3-21	17.07	---	---	100
32	04099750	Pigeon R nr Scott, Ind.	83.5	1946-82	4- 8-50	14.95	744	9	3-22	13.90	795	10	95
33	04099808	Little Elkhart R at Middlebury, Ind.	307	1969-82	6-15-81	7.27	1,980	6	3-21	7.85	2,370	8	35
34	04099850	Pine Cr nr Elkhart, Ind.	91.7	1980-82	7-26-81	9.58	1,690	18	3-17	9.40	1,560	17	---
35	04100165	Wible Lake inlet nr Kendallville, Ind.	31.0	1980-82	7-26-81	9.73	177	6	3-14	7.18	509	16	---
36	04100222	North Branch Elkhart R at Cosperville, Ind.	2.47	1973-82	6- 1-80	5.51	48	19	3-14	5.87	50	20	20
37	04100252	Forker Cr nr Burr Oak, Ind.	142	1972-82	4- 7-78	7.41	682	5	3-23	8.12	919	6	40
38	04100295	Rimmel Branch nr Albion, Ind.	19.2	1970-82	4-15-81	6.60	328	17	3-14	6.71	338	18	25
39	04100465	Turkey Cr at Syracuse, Ind.	10.7	1980-82	4-14-81	12.82	399	37	3-13	12.31	360	34	---
			43.8	1970-82	6-14-81	5.37	170	4	3-19	5.06	154	4	5

TABLE 2.—Summary of peak stage and discharge data—Continued
 (R, river; rz, near; Cr, creek; mi², square miles; ft, feet; ft³/s, cubic feet per second; (ft³/s)/mi², cubic feet per second per square mile; dashes indicate missing or unknown value)

Site number	Station number	Station name	Contributing drainage area (mi ²)	Period of record (water years)	Maximum flood previously recorded			Maximum during 1982 flood			Recurrence interval (years)			
					Date	Gage height (ft)	Discharge (ft ³ /s)	Date	Gage height (ft)	Discharge (ft ³ /s)				
<i>St. Joseph River Basin—Continued</i>														
40	04100500	Elkhart R at Goshen, Ind.	594	1932-82	4-4-50	10.15	5,440	9	3-14	11.94	6,180	10	¹ 80	
41	04101000	St. Joseph R at Elkhart, Ind.	3,370	1948-82	4-5-50	27.82	18,400	5	3-21	27.91	18,600	6	¹ 45	
42	04101500	St. Joseph at Niles, Mich.	3,666	1931-82	4-5-50	15.10	20,200	6	3-21	14.97	19,900	5	¹ 45	
43	04101800	Dowagiac R at Sumnerville, Mich.	255	1961-82	6-26-68	8.78	1,280	5	3-17	8.33	1,150	5	15	
44	04102320	Paw Paw R nr Paw Paw, Mich.	195	1981-82	5-11-81	5.73	1,230	6	3-14	6.26	1,540	8	---	
45	04102420	Paw Paw R nr Hartford, Mich.	311	1981-82	2-21-81	9.76	1,760	6	3-17	10.37	2,500	8	---	
46	04102500	Paw Paw R at Riverside, Mich.	390	1952-82	3-9-79	10.11	2,830	7	3-18	10.11	2,650	7	45	
<i>River Raisin Basin</i>														
47	04176000	River Raisin nr Adrian, Mich.		1933-38										
48	04176400	Saline R nr Saline, Mich.	463	1954-82	4-30-56	14.87	5,580	12	3-15	15.77	6,660	14	>100	
49	04176500	River Raisin nr Monroe, Mich.	94.6	1966-82	6-26-68	13.37	3,990	42	3-14	11.84	1,990	21	10	
			1,042	1938-82	9-6-81	10.22	14,500	14	3-16	---	Ice jam 15,300	15	50	
<i>Maumee River Basin</i>														
50	04177720	Fish Creek at Hamilton, Ind.	37.5	1970-82	3-23-78	10.79	497	13	3-17	11.52	603	16	35	
51	04178000	St. Joseph R nr Newville, Ind.	610	1947-82	4-6-50	17.05	9,710	16	3-17	17.96	9,190	15	¹ 50	
52	04179000	St. Joseph R at Cedarville, Ind.			3-24-78	18.62	---							
53	04179500	Cedar Cr at Auburn, Ind.	763	1956-82	5-1-56	---	10,100	13	3-17	21.94	14,500	19	¹ >100	
54	04179510	Cecil Metcalf ditch nr Auburn, Ind.	87.3	1943-82	4-5-50	9.90	1,520	17	3-14	10.63	2,100	24	¹ >100	
55	04180000	Cedar Cr nr Cedarville, Ind.	270	1947-82	4-5-50	11.67	4,870	18	3-14	12.98	5,340	20	¹ 45	
56	04181500	St. Marys R at Decatur, Ind.	621	1947-82	2-10-59	24.22	11,300	18	3-14	24.40	10,900	18	¹ 20	
57	04182000	St. Marys R nr Fort Wayne, Ind.	762	1931-82	2-11-59	19.42	13,600	18	3-14	19.66	12,600	17	¹ 25	
58	04182590	Harber ditch at Fort Wayne, Ind.	21.9	1965-82	6-13-81	11.67	916	42	3-14	12.25	900	41	10	
59	04182900	Maumee R at Fort Wayne, Ind.	1,926	1907-82	3-26-13	26.10	---	---	3-17	25.93	---	---	---	
60	04183000	Maumee R at New Haven, Ind.	1,967	1947-82	3-24-78	23.58	22,400	11	3-17	25.49	26,600	14	¹ 80	
61	04183500	Maumee R at Antwerp, Ohio	2,129	1922-82	5-20-43	20.29	26,200	12	3-17	21.70	26,100	12	¹ 40	
62	04185000	Tiffin R at Stryker, Ohio		1922-28										
63	04186500	Auglaize R nr Fort Jennings, Ohio	410	1941-82	4-25-50	15.45	6,640	16	3-15	18.36	7,760	19	50	
64	04187500	Ottawa R at Allentown, Ohio	332	1922-36										
65	04189000	Blanchard R nr Findlay, Ohio	160	1941-82	1-23-59	20.30	12,000	36	3-13	15.05	5,850	18	<5	
66	04191500	Auglaize R nr Defiance, Ohio	346	1924-35										
67	04192500	Maumee R nr Defiance, Ohio	2,318	1943-82	1-22-59	10.88	7,740	48	3-12	8.70	3,640	23	<5	
68	04193500	Maumee R at Waterville, Ohio	5,545	1941-82	6-14-81	17.43	13,000	38	3-13	12.35	6,320	18	<5	
					2-13-59	27.65	Ice jam							
					2-16-50	---	52,500	23	3-14	27.39	52,300	23	20	
					2-12-59	---	52,500	23	3-14	27.39	52,300	23	20	
					1916-82									
					1925-36									
					1939-75									
					1979-82	2-16-50	13.70	87,100	16	3-15	15.87	104,000	19	>100
					1900-01									
					1922-36									
					1939-82	2-16-50	14.52	94,000	15	3-15	17.18	120,000	19	90
<i>Kankakee River Basin</i>														
69	05515000	Kankakee R nr North Liberty, Ind.	116	1951-82	6-27-68	9.04	---	---						
70	05515400	Kingsbury Cr nr LaPorte, Ind.	3.01	1971-82	6-14-81	---	780	7	3-17	9.01	908	8	¹ >100	
71	05515500	Kankakee R at Davis, Ind.			7-26-81	6.83	73	24	3-13	6.31	63	21	10	
72	05516000	Yellow R nr Bremen, Ind.	400	1932-82	7-29-81	12.52	1,580	4	3-20	---	1,920	5	¹ >100	
			131	1955-82	5-15-78	17.68	2,750	21	3-16	15.17	2,800	21	¹ >100	

TABLE 2.—Summary of peak stage and discharge data—Continued

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					Date	Gage height (ft)	Discharge (ft ³ /s)	Date	Gage height (ft)	Discharge (ft ³ /s)	Discharge (ft ³ /s)/mi ²	Recurrence interval (years)		
<i>Kankakee River Basin—Continued</i>														
73	05516150	Walt Kimble ditch nr Lapaz, Ind.	1.50	1973-82	3-18-77	9.85	265	177	3-13	10.08	290	193	15	
74	05516500	Yellow R at Plymouth, Ind.	272	1949-82	10-12-54	17.13	5,390	20	3-16	16.37	4,730	17	¹ > 100	
75	05517000	Yellow R at Knox, Ind.	384	1944-82	10-15-54	13.75	5,660	15	3-18	13.25	5,280	14	¹ > 100	
76	05517400	West Arm Payne ditch nr North Judson, Ind.	2.58	1973-82	6-13-81	8.33	230	89	3-13	6.63	92	36	< 5	
77	05517500	Kankakee R at Dunns Bridge, Ind.	1,160	1949-82	10-22-54	13.20	5,300	5	3-20	13.38	---	---	---	
78	05517530	Kankakee R nr Kouts, Ind.	1,182	1975-82	6-18-81	13.59	4,630	4	3-24	14.52	5,870	5	¹ > 100	
79	05517780	Cobb ditch nr Valparaiso, Ind.	.39	1973-82	6-13-81	9.13	76	195	3-13	9.46	81	208	10	
80	05517890	Cobb ditch nr Kouts, Ind.	30.3	1969-82	3- 5-76	---	777	26	3-13	17.71	Ice jam	751	25	10
81	05518000	Kankakee R at Shelby, Ind.	1,578	1923-82	6-22-81	12.51	---	---	3-24	12.98	---	---	---	
82	05519000	Singleton ditch at Schneider, Ind.	123	1949-82	2-21-27	---	7,200	5	3-26	---	² 7,650	5	¹ > 100	
83	05520500	Kankakee R at Momence, Ill.	2,093	1915-82	3- 5-76	---	3,550	29	3-13	11.41	1,910	16	¹ 10	
					3- 6-79	10.51	16,000	8	3-20	6.03	11,000	5	¹ 50	

¹From Indiana Department of Natural Resources (1981).²Mean July discharge.