

R.E. Hoggatt

# MAXIMUM STAGES AND DISCHARGES OF SMALL STREAMS IN INDIANA

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U.S. DEPARTMENT OF THE INTERIOR  
Geological Survey  
Indianapolis, Indiana

*Prepared in cooperation with*  
INDIANA STATE HIGHWAY COMMISSION  
*and*  
U.S. DEPARTMENT OF TRANSPORTATION  
Federal Highway Administration

OPEN-FILE REPORT  
75-403

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

MAXIMUM STAGES AND DISCHARGES OF SMALL STREAMS  
IN INDIANA

By L. G. Davis and R. G. Horner

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September 1975



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## INTRODUCTION

This is an interim report describing the program objectives, planning, instrumentation, progress and status of the project, and data collected through the end of the 1974 water year. The program which began in July 1971, is being done in cooperation with the Indiana State Highway Commission, and the Federal Highway Administration, U.S. Department of Transportation.

The objective of the program is to collect and analyze peak-discharge data that can be used to define the magnitude and frequency of floods in Indiana for drainage areas less than  $20 \text{ mi}^2$  ( $52 \text{ km}^2$ ). The project is planned to meet an accuracy goal equivalent to 10 years of observed record for estimates up to the 100-year recurrence interval. The analyses will be useful in the design of highway drainage structures.

To accomplish the objectives of the program, a network of 101 partial-record crest-stage gages was established. The gages were distributed across the state to sample all hydrologic areas and to obtain a representative sample of as many physical characteristics as possible. Dual-digital recorders were installed at 20 of the stations to obtain continuous records of streamflow and rainfall.

Peak discharges of 34 small watersheds which are being monitored by continuous-recording water-stage recorders are included to augment the data collected from the partial-record stations. About 10 years of observed peak-discharge data are required to use the present flood-frequency analysis (the log-Pearson type III distribution). The rainfall data from the dual-digital recorders will be correlated with data from the National Weather Service and used in mathematical models to synthesize long-term rainfall records and to predict the response of flood hydrographs to rainfall.

Additional information will be collected to describe watershed characteristics for use in a multiple-variable mathematical model for estimating the magnitude and frequency of floods for any natural-flowing small stream with a drainage area less than  $20 \text{ mi}^2$  ( $52 \text{ km}^2$ ). Locations of the gages and partial-record stations are shown on figure 1.



Figure 1.-- Location of gaging stations



## INSTRUMENTATION

### Dual-Digital Continuous-Recorders

Dual-digital recorders have been installed on 20 small streams to collect continuous record of streamflow and concurrent rainfall. The recorders are enclosed in metal shelters mounted over 3.5-in (O.D.) (8.9-cm) pipes that are attached to wood posts. Each recorder is float operated, and the pipe serves as the stilling well for the water-stage recorder.

Plastic pipe is used as the rainfall-storage container for the rainfall recorder. Both recorders punch the water stage and rainfall stage on digital tape at 15-minute intervals. The gages are placed where trees or other objects do not obstruct the rainfall collector. The stage intakes are set low enough to record a high base flow and the lowest annual peak that would normally be expected. The recorders are serviced by field personnel of the Indiana district at regular intervals, and the recorder tapes are processed in the district office. At each gage a headwater and tailwater crest-stage gage is installed to serve as an auxiliary gage in the event of any malfunction of the water-stage recorder.

### Partial-Record Crest-Stage Gages

Partial-record crest-stage gages have been installed at culverts on 81 small streams. The gages consist of 2-in (5-cm) plastic pipes mounted vertically either on a post or on a culvert wingwall, and capped at both ends. The bottom cap has 1/4-in (0.6-cm) intake holes to allow water to enter the pipe. Ground cork is placed in the bottom cap and floats upward as the water rises. This cork forms a ring around a wooden stick inside the pipe that marks the high-water crest. Vent holes are drilled in the top cap to prevent trapped air from causing a false peak mark.

Field personnel service the gages at regular intervals at which time the wooden sticks are removed and the peak marks are measured. The bottom caps are removed, cleaned and recharged with ground cork. The peaks are recorded and the differential head, determined from the difference in elevation between the recorded headwater and tailwater peak marks, is converted to a peak rate of flow by standard U.S. Geological Survey methods of computation (Bodhaine, 1968).



### Continuous-Recording Gages

Continuous records of streamflow are being collected at 34 other streamflow sites. These stations are not part of this cooperative program with the Highway Commission, but are part of the surface-water network operated in cooperation with the Indiana Department of Natural Resources. However, since the streams have drainage areas under 20 mi<sup>2</sup> (52 km<sup>2</sup>), flood-peak data from them will be used to augment data collected for the analysis.

At these gages, water-stage recorders are installed in standard gaging-station structures and continuously monitor the water levels in the streams. The relationship between stage and discharge is defined by current-meter measurements.

## PROGRAM STATUS

Peak-discharge and concurrent rainfall data have been analyzed for all stations thru the 1974 water year. A complete list of gaging stations is contained in the Station Data Index. Stage-discharge relations have been determined for the partial-record stations by standard methods for computing flow thru culverts and by other indirect methods when necessary. Whenever possible, current-meter measurements are made to confirm the theoretical relations obtained by indirect methods.

As the program continues, field and office determinations of watershed characteristics shown to be significant in explaining variations in annual peak discharges will be made for inclusion in the flood-frequency analysis of the project. Some of the characteristics to be determined are: drainage area, channel length, main channel slope, watershed relief, and channel geometry. To synthesize long-term rainfall records for use in the Geological Survey rainfall-runoff mathematical models for generating long-term peak-flow data, rainfall data will be analyzed and correlated with data supplied by the National Weather Service. The generated data will be combined with short-term data at non-recording gages to produce flood-frequency relations at the gages.

## DISCONTINUED STATIONS

Some stations which were established at the beginning of the program have become unusable because of changing conditions at the site. These sites have been discontinued and relocated. The following stations were discontinued during the 1974 water year:

<u>Station No.</u>	<u>Station</u>	<u>Date Discontinued</u>
03-3405.50	Little Raccoon Creek tributary near Montezuma	April 3, 1974
03-3417.80	Prairie Creek tributary near Pimento	March 16, 1974
03-3646.00	Clifty Creek tributary near Newbern	May 17, 1974
03-3736.40	Lick Creek tributary near Paoli	January 23, 1974

## HYDROLOGY

Peak discharges that result from flood-producing storms are generally higher on streams in southern Indiana than on streams in central and northern Indiana. This happens primarily because in the southern part the stream slopes are steeper, the watershed relief is higher, and resulting concentration times are shorter than in the northern and central parts where streams drain flatter terrain. Within these regions the magnitudes of floods depend on size of the watershed and other differences in physical and geomorphic features.

Records from long-term stations indicate that annual flood peaks can occur at any time of the year. They can be produced either from thunderstorms or from general storms. The thunderstorms are usually of high intensity and short duration and normally occur during warm weather. The general storms are usually of low intensity but long duration, and normally occur during cool weather.

Figure 2 shows the rainfall-runoff hydrograph plotted from a dual-digital recorder for a flood peak that occurred on a small stream in southern Indiana on May 30, 1974. The peak was produced by a thunderstorm of relatively short duration with a peak intensity of about 0.80 in/(20.3 mm) in 15 minutes. Peak discharge was computed to be 86 ft<sup>3</sup>/s (2.4 m<sup>3</sup>/s), and was the annual peak discharge for the 1974 water year for this stream which drains about 0.60 mi<sup>2</sup> (1.55 km<sup>2</sup>).

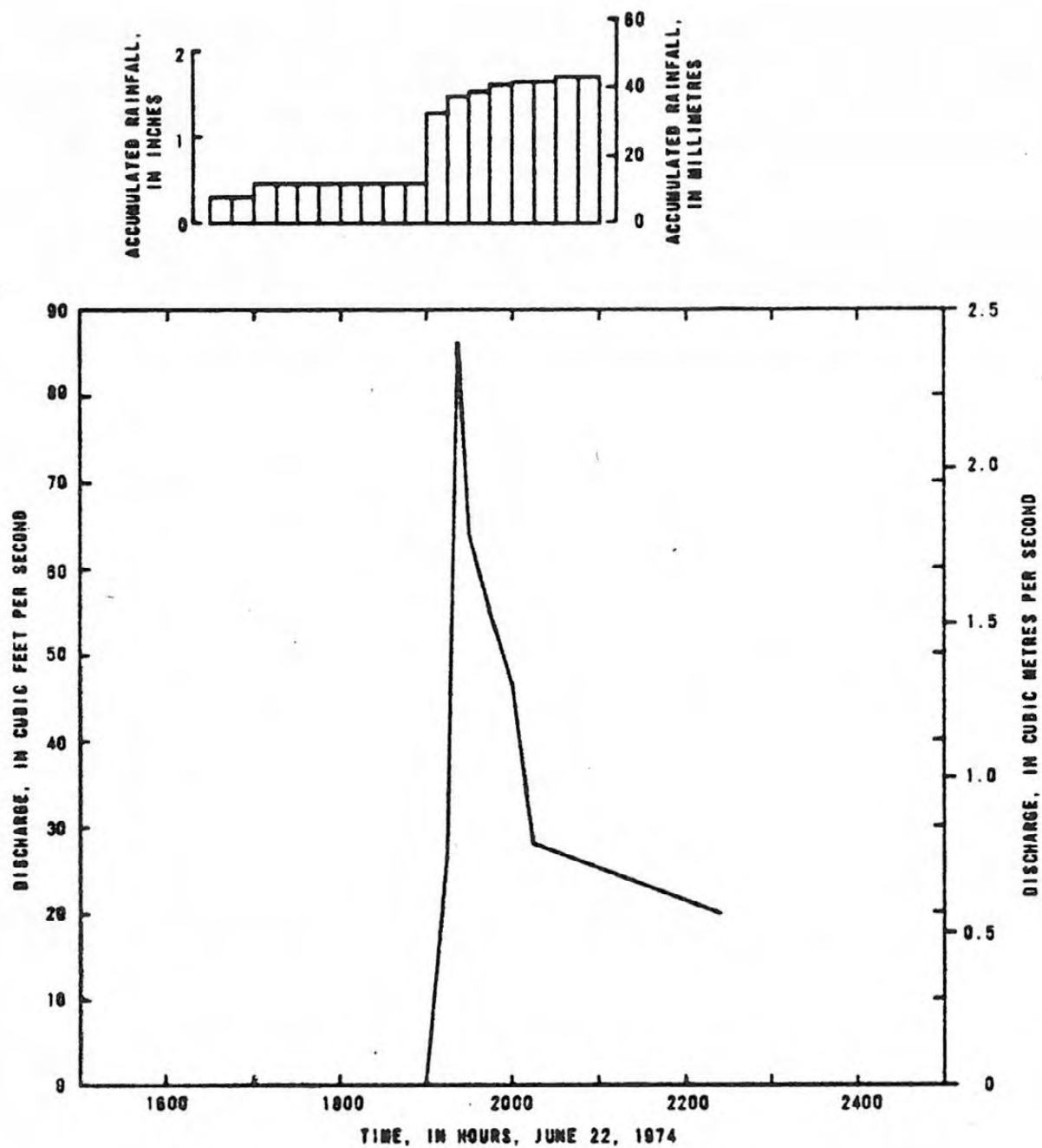


Figure 2.-- Rainfall and runoff hydrographs for Miller ditch tributary near Bicknell



## DATA COMPILATION

The "Station Data" section of this report lists the available annual peak-discharge data for watersheds of less than 20 mi<sup>2</sup> (52 km<sup>2</sup>). The stations are listed in downstream order by station number, and are plotted and identified on figure 1. A table following the station-data page for the dual-digital stations shows the incremental stage, rainfall, and discharge for a flood peak that has been recorded at each site.

Values of peak discharge in this report are subject to future revision, since most theoretical ratings will need verification as the data-collection phase of the program continues.

FACTORS FOR CONVERTING ENGLISH UNITS TO  
INTERNATIONAL SYSTEM (SI) UNITS

The following factors may be used to convert the English units published  
herein to the International System of Units (SI):

English units	Multiply by	To obtain SI units
inches (in)	25.4	millimetres (mm)
feet (ft)	.305	metres (m)
miles (mi)	1.61	kilometres (km)
feet per mile (ft/mi)	.189	metres per kilometre (m/km)
square miles (mi <sup>2</sup> )	2.59	square kilometres (km <sup>2</sup> )
miles per square mile (mi/mi <sup>2</sup> )	.621	kilometres per square kilometre (km/km <sup>2</sup> )
cubic feet per second (ft <sup>3</sup> /s)	.028	cubic metres per second (m <sup>3</sup> /s)

## SELECTED REFERENCES

- Benson, M. A., 1962, Factors influencing the occurrence of floods in a humid region of diverse terrain: U.S. Geol. Survey Water-Supply Paper 1580-B, 64 p.
- Bodhaine, G. L., 1968, Measurement of peak discharge at culverts by indirect methods: Techniques of water-resources investigations of the U.S. Geol. Survey, bk. 3, chap. A-3, 60 p.
- Davis, L. G., 1974, Floods in Indiana, Technical manual for estimating their magnitude and frequency: U.S. Geol. Survey Cir. 710, 40 p.
- U.S. Dept. Agriculture, 1973, A method for determining peak flows and detention storage requirements in urbanizing areas: Indiana Technical Note Engineering-2, 28 p.
- U.S. Dept. Commerce, 1961, Rainfall frequency atlas of the United States: Weather Bureau Tech. paper no. 40, 115 p.

STATION DATA





# GREAT MIAMI RIVER BASIN

03274650 Whitewater River near Economy, Ind.

LOCATION.--Lat 40°00'05", long 85°06'56", in NW¼NE¼ sec.19, T.18 N., R.13 E., Wayne County, on right bank 6 ft (2 m) downstream from bridge on County Line Road, 1.7 miles (2.7 km) upstream from Little Creek and 2.4 miles (3.9 km) northwest of Economy.

DRAINAGE AREA.--10.4 mi<sup>2</sup> (26.9 km<sup>2</sup>).

GAGE.--Continuous-recording gaging station.

REMARKS.--Records good.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1971	02-22-71	6.96	560
1972	04-22-72	5.99	358
1973	11-02-72	7.24	630
1974	01-19-74	5.77	318

GREAT MIAMI RIVER BASIN

03274730 Whitewater River tributary near Hagerstown, Ind.

LOCATION.--Lat 39°54'38", long 85°05'56", in NE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec.23, T.17 N., R.12 E., Wayne County, at culvert on State Highway 38, 0.7 mile (1.1 km) east of Hagerstown.

DRAINAGE AREA.--0.20 mi<sup>2</sup> (0.52 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	11-13-72	5.65	8
1974	04-03-74	6.11	14

GREAT MIAMI RIVER BASIN

03274880 Greens Fork tributary near Lynn, Ind.

LOCATION.--Lat 40°01'14", long 84°56'24", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec.11, T.18 N., R.14 E., Randolph County, at culvert on U.S. Highway 27, 1.9 miles (3.1 km) south of intersection of U.S. Highways 27 and 36 in Lynn.

DRAINAGE AREA.--1.0 mi<sup>2</sup> (2.6 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	07-25-73	6.90	190
1974	01-18-74	5.93	120



# GREAT MIAMI RIVER BASIN

03274950 Little Williams Creek at Connersville, Ind.

LOCATION.--Lat 39°38'16", long 85°10'20", in SW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> sec.27, T.14 N., R.12 E., Fayette County, on downstream right bank wingwall of bridge on State Highway 44, 1.0 mile (1.6 km) west of Connersville, and 2.6 miles (4.2 km) upstream from mouth.

DRAINAGE AREA.--8.62 mi<sup>2</sup> (22.3 km<sup>2</sup>).

GAGE.--Continuous-recording gaging station.

REMARKS.--Records good.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1969	01-17-69	7.80	664
1970	04-02-70	7.82	684
1971	02-22-71	5.99	482
1972	04-16-72	5.05	332
1973	06-26-73	5.86	462
1974	06-22-74	10.13	3,560

# GREAT MIAMI RIVER BASIN

03275800 West Run near Liberty, Ind.

LOCATION.--Lat 39°38'24", long 84°57'18", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec.2, T.14 N., R.2 W., Union County, at culvert on State Highway 44, 4.8 miles (7.7 km) east of Fayette-Union County Line, 1.1 miles (1.8 km) west of Liberty.

DRAINAGE AREA.--0.30 mi<sup>2</sup> (0.78 km<sup>2</sup>), approximately.

GAGE.--Stage-rainfall continuous-recording gages and non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	09-14-72	5.04 <sup>a</sup>	22
1973	08-12-73	6.15	57
1974	06-22-74	10.70	460

a Maximum for period Sept. 1 to Sept. 30, 1972

## Incremental rainfall, stage, and discharge for the 1973 flood peak

<u>Date</u>	<u>Time</u>	<u>Accumulated rainfall (in)</u>	<u>Stage (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
08-12-73	1300	0.00	5.03	0
	1400	.00	5.03	14 <sup>a</sup>
	1415	.00	5.03	18 <sup>a</sup>
	1430	.01	5.04	20 <sup>a</sup>
	1445	.17	5.05	21
	1500	.46	5.05	21
	1515	.50	5.06	22
	1530	1.45	6.15	57
	1545	1.46	5.87	46
	1600	1.48	5.07	23
	1700	1.48	5.07	23
	1800	1.48	5.08	24

a Estimated from hydrograph

# GREAT MIAMI RIVER BASIN

03275900 Templeton Creek near Fairchild, Ind.

LOCATION.--Lat 39°31'20", long 84°56'51", in SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec.24, T.10 N., R.2 W., Franklin County, at culvert on State Highway 101, 0.25 mile (0.40 km) south of Franklin-Union County line.

DRAINAGE AREA.--6.0 mi<sup>2</sup> (15.5 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	07-21-73	11.61 <sup>a</sup>	365
1974	06-22-74	17.25	1,020

a Maximum for period Nov. 29, 1972 to Sept. 30, 1973

# OHIO RIVER BASIN

03276640 Tanners Creek tributary near Lawrenceburg, Ind.

LOCATION.--Lat 39°09'18", long 84°52'20", in NW¼SW¼NE¼ sec.27, T.6 N., R.1 W., Dearborn County, at culvert 0.25 mile (0.40 km) east of Salt Fork Road on State Highway 1.

DRAINAGE AREA.--0.25 mi<sup>2</sup> (0.65 km<sup>2</sup>), approximately.

GAGE.--Stage-rainfall continuous-recording gages and non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	07-21-73	12.53 <sup>a</sup>	145
1974	06-22-74	15.59	300

a Maximum for period Dec. 8, 1972 to Sept. 30, 1973

## Incremental rainfall, stage, and discharge for the 1974 flood peak

<u>Date</u>	<u>Time</u>	<u>Accumulated rainfall (in)</u>	<u>Stage (ft)</u>	<u>Discharge ft<sup>3</sup>/s</u>
06-22-74	1830	0.00	10.04	0
	1845	----	10.05	17
	1900	.80	10.05	17
	1930	----	10.06	18
	1945	----	15.44	290
	2000	1.20	11.49	70
	2015	----	10.70	38
	2030	----	10.76	40
	2045	----	10.82	43
	2100	1.40	10.53	33
	2115	----	10.24	29
	2130	----	10.09	20
	2145	----	10.08	19
	2200	1.40	10.08	19

LAUGHERY CREEK BASIN

03276770 Laughery Creek tributary near Napoleon, Ind.

LOCATION.--Lat 39°13'18", long 85°20'07", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec.18, T.9 N., R.11 E., Ripley County, at culvert on U.S. Highway 421, 1.1 miles (1.8 km) north of Napoleon.

DRAINAGE AREA.--0.10 mi<sup>2</sup> (0.26 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	03-11-73	6.43	26
1974	04-08-74	6.29	24



# OHIO RIVER BASIN

03276950 Uhlman Creek tributary near Avonburg, Ind.

LOCATION.--Lat 38°53'33", long 85°11'04", in NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec.10, T.4 N., R.12 E., Switzerland County, at culvert on State Highway 129, 1.5 miles (2.4 km) north of State Highway 250 at Pleasant.

DRAINAGE AREA.--0.10 mi<sup>2</sup> (0.26 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	07-21-73	6.61	28
1974	04-01-74	7.72	60

# OHIO RIVER BASIN

03277100 Ohio River tributary near Rising Sun, Ind.

LOCATION.--Lat 38°59'36", long 84°51'16", in SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec.23, T.4 N., R.1 W., Ohio County, at culvert on State Highway 56, 3.3 miles (5.3 km) north of State Highway 262 in Rising Sun.

DRAINAGE AREA.--0.10 mi<sup>2</sup> (0.26 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	07-21-73	5.93	8
1974	04-01-74	8.46	15

# INDIAN-KENTUCK RIVER BASIN

03277250 Indian Creek tributary near Bennington, Ind.

LOCATION.--Lat 38°52'25", long 85°07'24", in NE<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> sec.5, T.4 N., R.3 W., Switzerland County, at culvert on State Highway 250, 3.7 miles (6.0 km) east of State Highway 129 at Pleasant.

DRAINAGE AREA.--0.10 mi<sup>2</sup> (0.26 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	06-27-73	6.00	37
1974	09-12-74	6.52	66

# OHIO RIVER BASIN

03292350 Flag Run tributary near New Washington, Ind.

LOCATION.--Lat 38°31'08", long 85°32'29", in NW¼NW¼NE¼ sec.20, T.1 N., R.9 E.,  
Clark County, at culvert on State Highway 62, 3.0 miles (4.8 km) south of  
New Washington.

DRAINAGE AREA.--0.20 mi<sup>2</sup> (0.52 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	07-21-73	7.71	51
1974	08-11-74	6.01	16

# INDIAN CREEK BASIN

03302300 Little Indian Creek near Galena, Ind.

LOCATION.--Lat 38°19'19", long 85°55'53", in NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec.23, T.2 S., R.5 E., Floyd County, on right bank at downstream side of county road bridge, 2.0 miles (3.2 km) south of Galena, 3.6 miles (5.8 km) upstream from mouth, and 7.0 miles (11.2 km) northwest of New Albany.

DRAINAGE AREA.--16.1 mi<sup>2</sup> (41.2 km<sup>2</sup>).

GAGE.--Continuous-recording gaging station.

REMARKS.--Records fair.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1969	01-30-69	4.93	958
1970	04-01-70	7.34	3,090
1971	02-22-71	7.44	3,130
1972	04-16-72	6.64	2,400
1973	07-21-73	9.30	5,500
1974	08-19-74	5.76	1,590



# INDIAN CREEK BASIN

03302350 Georgetown Creek tributary near Georgetown, Ind.

LOCATION.--Lat 38°17'30", long 85°56'26", in SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec.35, T.25 N., R.5 E., Floyd County, at culvert on State Highway 64, 1.8 miles (2.9 km) east of Georgetown.

DRAINAGE AREA.--0.20 mi<sup>2</sup> (0.52 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	07-21-73	9.90 <sup>a</sup>	220
1974	11-28-74	6.02	55

a Maximum for period Oct. 17 to Sept. 30, 1973

# BLUE RIVER BASIN

03302680 West Fork Blue River at Salem, Ind.

LOCATION.--Lat 38°36'19", long 86°05'40", in SW¼SE¼ sec.17, T.2 N., R.4 E., Washington County, on left bank just downstream from bridge on State Highway 160, 0.35 mile (0.56 km) east of County courthouse in Salem, 6.0 miles (9.6 km) upstream from Hoggatt Branch, and 6.8 miles (10.9 km) from mouth.

DRAINAGE AREA.--19.0 mi<sup>2</sup> (49.2 km<sup>2</sup>).

GAGE.--Continuous-recording gaging station.

REMARKS.--Records fair.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1970	07-05-70	1.66 <sup>a</sup>	6
1971	02-22-71	8.40	1,600
1972	04-15-72	8.61	1,700
1973	07-21-73	8.24	1,530
1974	07-10-74	12.29	4,430

a Maximum for period July 1 to Sept. 30, 1970

# BLUE RIVER BASIN

03302690 Middle Fork Blue River tributary near Farabee, Ind.

LOCATION.--Lat 38°32'44", long 86°02'14", in NE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec.2, T.1 N., R.4 E., Washington County, at culvert on State Highway 60, 3.3 miles (5.3 km) west of State Highway 56.

DRAINAGE AREA.--0.10 mi<sup>2</sup> (0.26 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	09-24-72	5.71 <sup>a</sup>	14
1973	07-21-73	5.97	19
1974	05-29-74	5.50	11

a Maximum for period Sept. 21 to Sept. 30, 1972

BLUE RIVER BASIN

03302760 Licking Creek near Palmyra, Ind.

LOCATION.--Lat 38°23'20", long 86°04'29", in SE $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec.28, T.1 S., R.4 E., Harrison County, at culvert on U.S. Highway 150, 2.1 miles (3.4 km) east of intersection of U.S. Highway 150 and State Highway 135 in Palmyra.

DRAINAGE AREA.--0.75 mi<sup>2</sup> (1.94 km<sup>2</sup>).

GAGE.--Non-recording crest-stage gages.

Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	07-21-73	8.50 <sup>a</sup>	135
1974	11-26-73	7.10	68

a Maximum for period May 9 to Sept. 30, 1973



# OHIO RIVER BASIN

03303250 Sigler Creek tributary at Uniontown, Ind.

LOCATION.--Lat 38°13'21", long 86°41'50", in NW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec.25, T.3 S., R.3 W., Perry County, at culvert on State Highway 145, 0.1 mile (0.2 km) south of State Highway 62 and U.S. Highway 460.

DRAINAGE AREA.--0.20 mi<sup>2</sup> (0.52 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	03-11-73	6.15 <sup>a</sup>	20
1974	05-30-74	9.05	25

a Maximum for period Apr. 19 to Sept. 30, 1973

# CROOKED CREEK BASIN

03303400 Crooked Creek at Santa Claus, Ind.

LOCATION.--Lat 38°07'05", long 86°53'24", in SW¼SE¼ sec.31, T.4 S., R.4 W., Spencer County, on right bank at upstream side of county road bridge, 1.3 miles (2.1 km) east of Santa Claus Post Office, and 1.8 miles (2.9 km) upstream from unnamed right-bank tributary.

DRAINAGE AREA.--7.86 mi<sup>2</sup> (20.4 km<sup>2</sup>).

GAGE.--Continuous-recording gaging station.

REMARKS.--Records good.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1970	04-28-70	9.74	4,100
1971	02-21-71	8.78	549
1972	04-14-72	9.04	908
1973	07-14-73	8.78	549
1974	05-31-74	9.12	1,090

# CROOKED CREEK BASIN

03303410 East Fork Crooked Creek tributary near Fulda, Ind.

LOCATION.--Lat 38°05'18", long 86°49'12", in NW¼NW¼NE¼ sec.14, T.5 S., R.4 W., Spencer County, at culvert on State Highway 545, 1.6 miles (2.6 km) south of Fulda.

DRAINAGE AREA.--0.25 mi<sup>2</sup> (0.65 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	03-11-73	6.58	36
1974	11-24-74	8.00 <sup>a</sup>	82

a Estimated

# LITTLE PIGEON RIVER BASIN

03303900 Little Red Creek tributary near Heilman, Ind.

LOCATION.--Lat 38°11'35", long 87°05'22", in NE¼SE¼SE¼ sec.5, T.4 S., R.6 W., Warrick County, at culvert on State Highway 161, 2.4 miles (3.9 km) north of Heilman.

DRAINAGE AREA.--0.25 mi<sup>2</sup> (0.65 km<sup>2</sup>).

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	08-15-73	5.92 <sup>a</sup>	23
1974	08-29-74	7.21	54

a Maximum for period Apr. 26 to Sept. 30, 1973



PIGEON RIVER BASIN

03322080 Bluegrass Creek tributary near Daylight, Ind.

LOCATION.--Lat 38°06'09", long 87°29'02", in NW $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec.12, T.5 S., R.10 W., Vanderburgh County, at culvert on State Highway 57, 0.9 mile (1.4 km) north of Daylight.

DRAINAGE AREA.--0.60 mi<sup>2</sup> (1.55 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	06-03-73	8.56	140
1974	05-31-74	9.00	160

# WABASH RIVER BASIN

03322940 March Ditch near Reiffsburg, Ind.

LOCATION.--Lat 40°39'19", long 85°06'20", in NW<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub> sec.6, T.25 N., R.13 E., Wells County, at culvert on State Highway 118, 1.9 miles (3.1 km) west of Adams-Wells County Line.

DRAINAGE AREA.--0.60 mi<sup>2</sup> (1.55 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	07-18-72	6.85 <sup>a</sup>	4
1973	11-14-72	8.60	6
1974	01-19-74	8.44	6

a Maximum for period May 12 to Sept. 30, 1972

# WABASH RIVER BASIN

03323950 Little River tributary near Roanoke, Ind.

LOCATION.--Lat 40°55'48", long 85°23'08", in SE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec.34, T.29 N., R.10 E., Huntington County, at culvert on U.S. Highway 24, 2.3 miles (3.7 km) southwest of Roanoke.

DRAINAGE AREA.--1.0 mi<sup>2</sup> (2.6 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	09-14-72	5.11 <sup>a</sup>	8
1973	08-20-73	5.62	21
1974	11-29-73	5.14	11

a Maximum for period May 12 to Sept. 30, 1972

WABASH RIVER BASIN

03324210 Blaine Run at Blaine, Ind.

LOCATION.--Lat 40°24'15", long 85°03'19", in NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec.35, T.23 N., R.13 E., Jay County, at culvert on State Highway 67, 0.1 mile (0.2 km) northeast of Blaine.

DRAINAGE AREA.--0.40 mi<sup>2</sup> (1.04 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	09-12-72	6.65 <sup>a</sup>	44
1973	12-06-72	6.14	29
1974	04-03-74	6.41	37

a Maximum for period June 23 to Sept. 30, 1972

# WABASH RIVER BASIN

03324260 Salamonie River tributary near Montpelier, Ind.

LOCATION.--Lat 40°33'06", long 85°19'25", in NW<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> sec.7, T.24 N., R.11 E., Blackford County, at culvert on State Highway 18, 2.5 miles (4.0 km) east of State Highway 3.

DRAINAGE AREA.--1.26 mi<sup>2</sup> (3.26 km<sup>2</sup>).

GAGE.--Stage-rainfall continuous-recording gages and non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	07-18-72	6.65 <sup>a</sup>	84
1973	11-14-72	5.24	27
1974	04-03-74	6.14	61

a Maximum for period Apr. 27 to Sept. 30, 1972

## Incremental rainfall, stage, and discharge for the 1972 flood peak

<u>Date</u>	<u>Time</u>	<u>Accumulated rainfall (in)</u>	<u>Stage (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
07-18-72	1500	0.00	4.97	0
	1600	.88	4.97	0
	1700	1.58	5.86	51
	1800	1.58	5.58	39
	1900	1.59	5.00	20
	2000	1.59	5.00	0



# WABASH RIVER BASIN

03324350 Brook Creek tributary near Warren, Ind.

LOCATION.--Lat 40°44'35", long 85°26'42", in SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec.31, T.27 N., R.10 E., Huntington County, at culvert on State Highway 5, 1.6 miles (2.6 km) northwest of Interstate 69.

DRAINAGE AREA.--0.60 mi<sup>2</sup> (1.55 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	09-14-72	8.23 <sup>a</sup>	116
1973	11-14-72	6.32	39
1974	04-03-74	5.82	23

a Maximum for period June 23 to Sept. 30, 1972

# WABASH RIVER BASIN

03327510 Little Pipe Creek tributary near New Santa Fe, Ind.

LOCATION.--Lat 40°41'38", long 86°00'34", in SW¼SE¼SW¼ sec.18, T.26 N., R.5 E., Miami County, at culvert on State Highway 21, 1.8 miles (2.9 km) northwest of New Santa Fe.

DRAINAGE AREA.--0.40 mi<sup>2</sup> (1.04 km<sup>2</sup>), approximately.

GAGE.--Stage-rainfall continuous-recording gages and non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	08-14-73	6.32	32
1974	05-17-74	5.61	16

## Incremental rainfall, stage, and discharge for the 1974 flood peak

<u>Date</u>	<u>Time</u>	<u>Accumulated rainfall (in)</u>	<u>Stage (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
05-17-74	0300	0.00	5.01	0
	0400	.01	5.01	0
	0500	.11	5.01	0
	0600	.23	5.02	4 <sup>a</sup>
	0700	.82	5.02	5
	0800	1.24	5.58	16
	0900	1.24	5.32	11
	1000	1.29	5.03	6
	1100	1.29	5.03	6
	1200	1.29	5.02	5
	1300	1.30	5.02	5
	1400	1.30	5.02	5
	1500	1.37	5.02	5

a Approximately

WABASH RIVER BASIN

03327530 Minnow Creek tributary near Logansport, Ind.

LOCATION.--Lat 40°43'46", long 86°17'48", in NW¼NW¼SW¼ sec.3, T.26 N., R.2 E., Cass County, at culvert on U.S. Highway 35, 4.0 miles (6.4 km) southeast of State Highway 29 in Logansport.

DRAINAGE AREA.--1.13 mi<sup>2</sup> (2.93 km<sup>2</sup>).

GAGE.--Non-recording crest-stage gages.

Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	09-13-72	5.33 <sup>a</sup>	9
1973	08-28-73	7.04	70
1974	01-20-74	5.47	11

a Maximum for period May 18 to Sept. 30, 1972

# WABASH RIVER BASIN

03327790 Eel River tributary near Columbia City, Ind.

LOCATION.--Lat 41°07'01", long 85°31'21", T.31 N., R.9 E., Columbia Township, Whitley County, at culvert on State Highway 205, 3.8 miles (6.1 km) southwest of U.S. Highway 30 in Columbia City.

DRAINAGE AREA.--0.30 mi<sup>2</sup> (0.78 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	07-19-72	5.60 <sup>a</sup>	8
1973	06-15-73	6.09	15
1974	01-21-73	6.86	31

a Maximum for period June 23 to Sept. 30, 1972

WABASH RIVER BASIN

03327930 Koontz Ditch near Sidney, Ind.

LOCATION.--Lat 41°07'28", long 85°44'38", in NW¼NW¼SW¼ sec.22, T.31 N., R.7 E., Kosciusko County, at culvert on State Highway 13, 3.5 miles (5.6 km) north of State Highway 14.

DRAINAGE AREA.--2.5 mi<sup>2</sup> (6.5 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	09-14-72	5.60 <sup>a</sup>	15
1973	04-23-73	8.07	165
1974	01-19-74	8.46	220

a Maximum for period June 23 to Sept. 30, 1972



# WABASH RIVER BASIN

03328020 Otter Creek tributary near North Manchester, Ind.

LOCATION.--Lat 40°59'59", long 85°49'37", in SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec.35, T.30 N., R.6 E., Wabash County, at culvert on State Highway 114, 1.7 miles (2.7 km) west of State Highway 13.

DRAINAGE AREA.--1.0 mi<sup>2</sup> (2.6 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	09-14-72	5.77 <sup>a</sup>	72
1973	11-14-72	5.66	63
1974	01-21-74	5.60	59

a Maximum for period June 20 to Sept. 30, 1972

WABASH RIVER BASIN

03328430 Weesau Creek near Deedsville, Ind.

LOCATION.--Lat 40°54'34", long 86°07'36", in NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec.6, T.28 N., R.4 E., Miami County, on left bank 100 ft (30 m) downstream from bridge on County Road 1000 North, 1.5 miles (2.4 km) west of Deedsville.

DRAINAGE AREA.--8.87 mi<sup>2</sup> (23.0 km<sup>2</sup>).

GAGE.--Continuous-recording gaging station.

REMARKS.--Records good.

Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1971	02-04-71	5.83	283
1972	12-15-71	3.90	101
1973	12-31-72	4.08	114
1974	05-17-74	4.69	165

# WABASH RIVER BASIN

03329400 Rattlesnake Creek near Patton, Ind.

LOCATION.--Lat 40°42'46", long 86°41'49", in NW¼SW¼ sec.7, T.26 N., R.2 W., Carroll County, on left bank 5 ft (2 m) downstream from bridge on County Road 900 West, and 2.5 miles (4.0 km) northeast of Patton.

DRAINAGE AREA.--6.83 mi<sup>2</sup> (17.7 km<sup>2</sup>).

GAGE.--Continuous-recording gaging station.

REMARKS.--Records good.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1969	06-23-69	3.70	157
1970	05-13-70	3.56	143
1971	06-11-71	3.00	76
1972	04-07-72	3.05	80
1973	12-30-72	3.26	96
1974	01-21-74	3.38	107

# WABASH RIVER BASIN

03329720 Robinson Branch near Delphi, Ind.

LOCATION.--Lat 40°37'10", long 86°37'01", in NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec.14, T.25 N., R.2 W., Carroll County, at culvert on State Highway 25, 2.0 miles (3.2 km) north-east of State Highway 218, 3.9 miles (6.3 km) northeast of State Highway 39 in Delphi.

DRAINAGE AREA.--5.49 mi<sup>2</sup> (14.2 km<sup>2</sup>).

GAGE.--Stage-rainfall continuous-recording gages and non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	09-14-72	6.37 <sup>a</sup>	170
1973	07-21-73	6.83	240
1974	01-20-74	7.07	305

a Maximum for period June 21 to Sept. 30, 1972

# WABASH RIVER BASIN

03329720 Robinson Branch near Delphi, Ind.--Continued

Incremental rainfall, stage, and discharge for the 1974 flood peak

<u>Date</u>	<u>Time</u>	<u>Accumulated rainfall (in)</u>	<u>Stage (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
01-19-74	2200	0.00	5.02	----
	2300	.03	5.02	----
	2400	.04	5.02	----
01-20-74	0100	.05	5.02	7 <sup>a</sup>
	0200	.06	5.02	12 <sup>a</sup>
	0300	.07	5.02	16 <sup>a</sup>
	0400	.12	5.02	22 <sup>a</sup>
	0500	.12	5.03	27
	0600	.12	5.08	30
	0700	.12	5.13	33
	0800	.12	5.16	35
	0900	.13	5.20	37
	1000	.15	5.24	40
	1100	.20	5.31	44
	1200	.25	5.41	51
	1300	.25	5.52	60
	1400	.27	5.65	72
	1500	.31	5.69	76
	1600	.34	5.77	84
	1700	.36	5.82	90
	1800	.48	5.90	100
	1900	.63	6.06	120
	2000	.73	6.29	158
	2100	.73	6.41	180
	2200	.73	6.51	200
	2300	.74	6.68	230
	2400	.74	6.75	245
01-21-74	0100	.76	6.63	220
	0200	.76	6.40	178
	0300	.76	6.23	148
	0400	.76	6.11	130
	0500	.77	6.00	112

a Estimated from hydrograph



WABASH RIVER BASIN

0330290 Shanton Ditch near Pierceton, Ind.

LOCATION.--Lat 41°12'45", long 85°41'10", in NW¼NE¼SW¼ sec.22, T.32 N., R.7 E., Kosciusko County, at culvert on State Highway 13, 0.6 mile (1.0 km) north of U.S. Highway 30.

DRAINAGE AREA.--1.0 mi<sup>2</sup> ((2.6 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	09-14-72	5.16 <sup>a</sup>	7
1973	06-07-73	6.00	21
1974	01-19-74	5.53	12

a Maximum for period June 22, 1972 to Sept. 30, 1972

# WABASH RIVER BASIN

03331110 Walnut Creek near Warsaw, Ind.

LOCATION.--Lat 41°12'17", long 85°52'11", in NW¼NE¼ sec.30, T.32 N., R.6 E., Kosciusko County, on left bank 10 ft (3 m) upstream from bridge on County Road 200 South, 0.3 mile (0.5 km) downstream from small right-bank tributary and 2.5 miles (4.0 km) south of courthouse in Warsaw.

DRAINAGE AREA.--19.6 mi<sup>2</sup> (50.7 km<sup>2</sup>).

GAGE.--Continuous-recording gaging station.

REMARKS.--Records good.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1970	04-21-70	3.02	141
1971	03-16-71	2.20	79
1972	04-20-72	2.83	112
1973	12-31-72	2.78	120
1974	03-05-74	3.10	131

# WABASH RIVER BASIN

03331376 McMahan Ditch near Rochester, Ind.

LOCATION.--Lat 41°06'14", long 86°11'18", in NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec.28, T.31 N., R.3 E., Fulton County, at culvert on State Highway 25, 3.0 miles (4.8 km) north of State Highway 14 in Rochester, Ind.

DRAINAGE AREA.--2.0 mi<sup>2</sup> (5.2 km<sup>2</sup>), approximately.

GAGE.--Stage-rainfall continuous-recording gages and non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	09-14-72	5.60 <sup>a</sup>	13
1973	12-30-72	5.92	19
1974	01-19-74	6.02	21

a Maximum for period June 28 to Sept. 30, 1972

WABASH RIVER BASIN

03331376 McMahan Ditch near Rochester, Ind.--Continued

Incremental rainfall, stage, and discharge for the 1974 flood peak

<u>Date</u>	<u>Time</u>	<u>Accumulated rainfall (in)</u>	<u>Stage (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
01-18-74	2200	0.00	5.03	0.0
	2300	.01	5.03	.7 <sup>a</sup>
	2400	.09	5.03	1.4 <sup>a</sup>
01-19-74	0100	.11	5.03	2.1 <sup>a</sup>
	0200	.12	5.03	2.9 <sup>a</sup>
	0300	.13	5.03	3.6 <sup>a</sup>
	0400	.15	5.03	4.3 <sup>a</sup>
	0500	.18	5.04	5.0
	0600	.18	5.05	5.1
	0700	.18	5.08	5.4
	0800	.18	5.10	5.5
	0900	.19	5.12	5.8
	1000	.20	5.15	6.0
	1100	.22	5.19	6.6
	1200	.28	5.24	7.4
	1300	.32	5.35	9.0
	1400	.33	5.47	11.0
	1500	.35	5.49	11.5
	1600	.39	5.57	13.0
	1700	.42	5.63	14.0
	1800	.44	5.68	15.0
	1900	.53	5.75	16.5
	2000	.64	5.80	18.0
	2100	.78	5.92	21.0
	2200	.80	6.01	23.0
	2300	.80	6.01	23.0
	2400	.82	6.00	22.5
01-20-74	0100	.83	5.98	22.0
	0200	.87	5.97	21.5
	0300	.88	5.97	21.5
	0400	.90	5.97	21.5
	0500	.91	5.97	21.5

a Estimated from hydrograph

# WABASH RIVER BASIN

03332340 Weltzin Ditch tributary near Francesville, Ind.

LOCATION.--Lat 40°48'00", long 86°46'33", in SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec.16, T.29 N., R.3 W., Pulaski County, at culvert on State Highway 39, 6.1 miles (9.8 km) south of State Highway 14.

DRAINAGE AREA.--1.0 mi<sup>2</sup> (2.6 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	07-21-73	6.02	22
1974	01-21-74	5.20	8

WABASH RIVER BASIN

03332780 Big Creek near Wolcott, Ind.

LOCATION.--Lat 40°41'26", long 87°02'37", in SE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec.24, T.26 N., R.6 W., White County, at culvert on U.S. Highway 231, 4.4 miles (7.1 km) south of Wolcott.

DRAINAGE AREA.--1.5 mi<sup>2</sup> (3.9 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	09-14-72	7.87 <sup>a</sup>	67
1973	12-31-74	6.62	31
1974	06-22-74	6.96	39

a Maximum for period May 25 to Sept. 9, 1972



WABASH RIVER BASIN

03333420 Grassy Fork tributary at Point Isabel, Ind.

LOCATION.--Lat 40°25'28", long 85°49'28", in NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec.22, T.23 N., R.6 E., Grant County, at culvert on State Highway 13, 1,100 ft (335 m) north of State Highway 26 in Point Isabel.

DRAINAGE AREA.--0.30 mi<sup>2</sup> (0.78 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	07-21-73	6.83	115
1974	04-03-74	6.19	80

# WABASH RIVER BASIN

03333620 Scott Youngman Ditch near Kokomo, Ind.

LOCATION.--Lat 40°25'10", long 86°04'39", in NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec.28, T.23 N., R.4 E., Howard County, at culvert on State Highway 26, 2.4 miles (3.9 km) west of State Highway 19.

DRAINAGE AREA.--1.0 mi<sup>2</sup> (2.6 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	08-15-73	8.01	65
1974	01-20-74	6.44	21

# WABASH RIVER BASIN

03334200 Prairie Creek tributary near Frankfort, Ind.

LOCATION.--Lat 40°15'14", long 86°30'36", in NW $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec.22, T.21 N., R.1 W., Clinton County, at culvert on State Highways 38 and 39, 1.8 miles (2.9 km) south of State Highway 28 in Frankfort.

DRAINAGE AREA.--2.00 mi<sup>2</sup> (5.18 km<sup>2</sup>), approximately.

GAGE.--Stage-rainfall continuous-recording gages and non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	06-15-72	6.13 <sup>a</sup>	35
1973	08-21-73	6.24	48
1974	06-22-74	9.63	140

a Maximum for period May 18 to Sept. 30, 1972

# WABASH RIVER BASIN

03334200 Prairie Creek Tributary near Frankfort, Ind.--Continued

Incremental rainfall, stage, and discharge for the 1974 flood peak

<u>Date</u>	<u>Time</u>	<u>Accumulated rainfall (in)</u>	<u>Stage (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
06-21-74	2400	0.00	5.11	0
06-22-74	0100	.00	5.11	0
	0200	.00	5.11	0
	0300	.04	5.11	0
	0400	.08	5.11	0
	0500	.08	5.11	0
	0600	.08	5.11	0
	0700	.09	5.11	0
	0800	.12	5.11	0
	0900	.15	5.11	0
	1000	.18	5.11	0
	1100	.18	5.11	0
	1200	.38	5.11	0
	1300	.49	5.11	14 <sup>a</sup>
	1400	.49	5.11	42 <sup>a</sup>
	1500	.83	5.11	70 <sup>a</sup>
	1600	1.98	7.89	96
	1700	2.00	8.98	124
	1800	2.00	9.34	132
	1900	2.00	9.39	133
	2000	2.00	9.60 <sup>b</sup>	137
	2100	2.00	9.50 <sup>b</sup>	135
	2200	2.00	9.40 <sup>b</sup>	133
	2300	2.00	9.20 <sup>b</sup>	129
	2400	2.00	9.00 <sup>b</sup>	125

a Estimated from hydrograph

b Estimated

# WABASH RIVER BASIN

03334900 South Fork Wildcat Creek tributary near Monitor, Ind.

LOCATION.--Lat 40°25'13", long 86°46'22", in NE¼SE¼SE¼ sec.20, T.23 N., R.3 W., Tippecanoe County, at culvert on State Highway 26, 0.4 mile (0.6 km) northwest of Monitor Springs.

DRAINAGE AREA.--0.40 mi<sup>2</sup> (1.03 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	06-15-72	4.50 <sup>a</sup>	3
1973	11-14-73	5.02	12
1974	03-04-74	4.86	9

a Maximum for period May 25 to Sept. 30, 1972

# WABASH RIVER BASIN

03335660 Ilgenfritz Ditch near Monroe, Ind.

LOCATION.--Lat 40°20'36", long 86°47'49", in NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec.19, T.22 N., R.3 W., Tippecanoe County, at culvert on U.S. Highway 52, 4.9 miles (7.9 km) south-east of State Highway 38.

DRAINAGE AREA.--1.39 mi<sup>2</sup> (3.60 km<sup>2</sup>).

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	06-15-72	7.24 <sup>a</sup>	140
1973	06-17-73	7.01	120
1974	11-26-73	6.47	84

a Maximum for period June 5 to Sept. 30, 1972



# WABASH RIVER BASIN

03335685 Big Pine Creek tributary near Pine Village, Ind.

LOCATION.--Lat 40°25'24", long 87°15'32", in SE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec.19, T.23 N., R.7 W., Warren County, at culvert on State Highway 55, 1.9 miles (3.1 km) south of State Highway 26 in Pine Village.

DRAINAGE AREA.--0.20 mi<sup>2</sup> (0.52 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	06-15-72	5.65 <sup>a</sup>	66
1973	03-11-73	5.46	56
1974	05-29-74	7.61	200

a Maximum for period May 26 to Sept. 30, 1972

# WABASH RIVER BASIN

03335790 Big Shawnee Creek tributary near Attica, Ind.

LOCATION.--Lat 40°16'48", long 87°10'29", in NE¼NW¼SE¼ sec.11, T.21 N., R.7 W., Fountain County, at culvert on State Highway 28, 1.4 miles (2.2 km) west of State Highway 341 and 4.3 miles (6.9 km) east of Attica.

DRAINAGE AREA.--1.00 mi<sup>2</sup> (2.59 km<sup>2</sup>), approximately.

GAGE.--Stage-rainfall continuous-recording gages and non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	07-21-73	5.15	44
1974	06-22-74	8.31	240

## Incremental rainfall, stage, and discharge for the 1974 flood peak

<u>Date</u>	<u>Time</u>	<u>Accumulated rainfall (in)</u>	<u>Stage (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
06-22-74	1200	0.50	5.10	0
	1300	.50	5.09	0
	1400	.49	5.08	68 <sup>a</sup>
	1500	.84	6.38	135
	1600	3.00	8.07	225
	1700	3.28	8.02	220
	1800	3.32	6.61	141
	1900	3.33	5.93	107
	2000	3.33	5.54	88
	2100	3.36	5.26	64
	2200	3.37	5.13	40
	2300	3.37	5.10	34
	2400	3.37	5.10	34

a Estimated from hydrograph

WABASH RIVER BASIN

03339230 Woods Ditch near Frankfort, Ind.

LOCATION.--Lat 40°13'13", long 86°27'34", in NE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec.31, T.21 N.,  
R.1 E., Clinton County, at culvert on State Highway 38, 2.2 miles (3.5 km)  
southeast of State Highway 39.

DRAINAGE AREA.--1.50 mi<sup>2</sup> (3.88 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	09-26-72	6.68 <sup>a</sup>	27
1973	11-13-72	7.66	47
1974	06-22-74	10.54	150

a Maximum for period May 19 to Sept. 30, 1972

# WABASH RIVER BASIN

03339250 Waddle Ditch near Pike, Ind.

LOCATION.--Lat 40°06'24", long 86°28'48", in NE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec.12, T.19 N., R.1 W., Boone County, at culvert on State Highway 39, 4.1 miles (6.6 km) north of U.S. Highway 52 in Lebanon.

DRAINAGE AREA.--1.10 mi<sup>2</sup> (2.85 km<sup>2</sup>).

GAGE.--Non-recording crest-stage gage.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	06-21-72	5.55 <sup>a</sup>	19
1973	11-13-72	7.84	92
1974	06-22-74	8.19	110

a Maximum for period June 21 to Sept. 30, 1972

# WABASH RIVER BASIN

03339400 Sugar Creek tributary near Garfield, Ind.

LOCATION.--Lat 40°05'01", long 86°48'13", in SW $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec.18, T.19 N., R.3 W., Montgomery County, at culvert on State Highway 47, 1.1 miles (1.8 km) northeast of Garfield.

DRAINAGE AREA.--1.2 mi<sup>2</sup> (3.1 km<sup>2</sup>).

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	07-03-72	6.38 <sup>a</sup>	46
1973	04-22-73	6.55	54
1974	06-22-74	8.84	260

a Maximum for period May 4 to Sept. 30, 1972

WABASH RIVER BASIN

03340550 Little Raccoon Creek tributary near Montezuma, Ind.

LOCATION.--Lat 39°47'37", long 87°24'31", in SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec.22, T.16 N., R.9 W., Vermillion County, at culvert on State Highway 63, 1.5 miles (2.4 km) north of U.S. Highway 36.

DRAINAGE AREA.--0.04 mi<sup>2</sup> (0.10 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

REMARKS.--Discontinued Apr. 23, 1974.

Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	07-21-73	12.09	48



# WABASH RIVER BASIN

03341150 Demeree Creek tributary near Byron, Ind.

LOCATION.--Lat 39°52'39", long 87°05'56", in NW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec.33, T.17 N., R.6 W., Parke County, at culvert on State Highway 47, 0.5 mile (0.8 km) west of Montgomery County Line.

DRAINAGE AREA.--0.20 mi<sup>2</sup> (0.52 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	07-21-73	7.37	86
1974	03-05-74	6.13	40

# WABASH RIVER BASIN

03341470 North Fork Coal Creek near Terre Haute, Ind.

LOCATION.--Lat 39°32'52", long 87°25'40", in NE¼NE¼ sec.29, T.13 N., R.9 W., Vigo County, on right bank 0.2 mile (0.3 km) upstream from County Road 56 West, 0.4 mile (0.6 km) upstream from mouth, 0.5 mile (0.8 km) east of State Highway 63, and 4.0 miles (6.4 km) northwest of the intersection of State Highway 63 and U.S. Highway 41 in Terre Haute.

DRAINAGE AREA.--1.91 mi<sup>2</sup> (4.95 km<sup>2</sup>)

GAGE.--Continuous-recording gaging station.

REMARKS.--Records poor.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	06-22-74	2.75 <sup>a</sup>	288

a Maximum for period May 21 to Sept. 30, 1974

# WABASH RIVER BASIN

03341770 Prairie Creek tributary near Pimento, Ind.

LOCATION.--Lat 39°18'49", long 87°23'17", in NE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec.15, T.10 N., R.9 W., Vigo County, at culvert on U.S. Highways 41 and 150, 2.8 miles (4.5 km) north of State Highway 246.

DRAINAGE AREA.--0.50 mi<sup>2</sup> (1.30 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	09-01-74	9.44 <sup>a</sup>	145

a Maximum for period Apr. 3 to Sept. 30, 1974

# WABASH RIVER BASIN

03341780 Prairie Creek tributary near Pimento, Ind.

LOCATION.--Lat 39°18'35", long 87°23'18", in NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 15, T.10 N., R.9 W., Vigo County, at culvert on U.S. Highway 41, 2.4 miles (3.9 km) north of State Highway 246.

DRAINAGE AREA.--0.22 mi<sup>2</sup> (0.57 km<sup>2</sup>).

GAGE.--Non-recording crest-stage gages.

REMARKS.--Discontinued Mar. 16, 1974.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	07-21-73	10.58 <sup>a</sup>	215

a Maximum for period May 3 to Sept. 30, 1973

# WABASH RIVER BASIN

03342100 Busseron Creek near Hymera, Ind.

LOCATION.--Lat 39°12'54", long 87°18'41", in NW¼NW¼ sec.21, T.9 N., R.8 W., Sullivan County, on right bank at downstream side of bridge on County Road 900 North, 1.9 miles (3.1 km) northwest of Hymera, and 3.9 miles (6.3 km) upstream from West Fork Busseron Creek.

DRAINAGE AREA.--16.7 mi<sup>2</sup> (43.2 km<sup>2</sup>).

GAGE.--Continuous-recording gaging station.

REMARKS.--Records fair.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1966	09-20-66	14.09 <sup>a</sup>	552
1967	12-08-66	17.42	1,450
1968	05-24-68	17.23	1,380
1969	01-29-69	17.44	1,450
1970	01-29-70	15.88	924
1971	02-22-71	16.99	1,300
1972	04-16-72	16.67	1,180
1973	07-26-73	17.98	1,690
1974	09-12-74	18.58	1,890

a Maximum for period June 2 to Sept. 30, 1966

# WABASH RIVER BASIN

03342150 West Fork Busseron Creek near Hymera, Ind.

LOCATION.--Lat 39°11'10", long 87°19'44", in NW¼NW¼ sec.32, T.9 N., R.8 W., Sullivan County, on right bank at downstream side of bridge on State Highway 48, 1.4 miles (2.2 km) upstream from mouth, 1.5 miles (2.4 km) west of Hymera, and 3.7 miles (6.0 km) east of U.S. Highway 41.

DRAINAGE AREA.--14.4 mi<sup>2</sup> (37.2 km<sup>2</sup>).

GAGE.--Continuous-recording gaging station.

REMARKS.--Records fair.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1967	12-08-66	12.12	1,130
1968	05-24-68	12.14	1,140
1969	01-29-69	12.28	1,230
1970	04-24-70	11.43	736
1971	02-22-71	11.95	1,030
1972	04-16-72	11.44	724
1973	07-26-73	13.23	1,930
1974	09-12-74	12.70	1,510



# WABASH RIVER BASIN

03342180 Kettle Creek tributary near Shelburn, Ind.

LOCATION.--Lat 39°10'36", long 87°22'27", in SW¼SE¼SE¼ sec.26, T.9 N., R.9 W., Sullivan County, at culvert on State Highway 48, 1.0 mile (1.6 km) east of U.S. Highways 41 and 150.

DRAINAGE AREA.--0.50 mi<sup>2</sup> (1.30 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	09-29-72	5.43 <sup>a</sup>	17
1973	07-25-73	9.26	180
1974	09-12-74	8.30	150

a Maximum for period Sept. 14 to Sept. 30, 1972

# WABASH RIVER BASIN

03342250 Mud Creek near Dugger, Ind.

LOCATION.--Lat 39°06'28", long 87°16'42", in SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec.27, T.8 N., R.8 W., Sullivan County, on right bank at downstream side of bridge on County Road 700 East, 0.6 mile (1.0 km) north of County Road 100 North, 1.7 miles (2.7 km) upstream from mouth, and 2.5 miles (4.0 km) northwest of Dugger.

DRAINAGE AREA.--11.9 mi<sup>2</sup> (30.8 km<sup>2</sup>).

GAGE.--Continuous-recording gaging station.

REMARKS.--Records good.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1966	09-20-66	9.15 <sup>a</sup>	186
1967	12-08-66	12.05	642
1968	05-24-68	13.42	866
1969	04-18-69	13.07	807
1970	04-24-70	11.96	629
1971	02-22-71	11.06	498
1972	04-16-72	13.63	906
1973	03-25-73	11.63	580
1974	05-30-74	13.70	919

a Maximum for period June 2 to Sept. 30, 1966

# WABASH RIVER BASIN

03342350 Buttermilk Creek near Paxton, Ind.

LOCATION.--Lat 39°03'43", long 87°20'37", in SE¼NW¼ sec.7, T.7 N., R.8 W., Sullivan County, on left bank at downstream side of bridge, 3 miles (4.8 km) northeast of Paxton, and 3 miles (4.8 km) upstream from mouth.

DRAINAGE AREA.--16.5 mi<sup>2</sup> (42.7 km<sup>2</sup>).

GAGE.--Continuous-recording gaging station.

REMARKS.--Records poor. Flow affected by surface-mined areas.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1966	09-20-66	8.49 <sup>a</sup>	81
1967	12-08-66	12.98	403
1968	04-04-68	13.02	442
1969	01-29-69	13.01	441
1970	04-24-70	12.99	439
1971	02-22-71	12.94	425
1972	04-16-72	12.76	416
1973 <sup>b</sup>	11-02-72	12.61	401

a Maximum for period June 1 to Sept. 30, 1966

b Gage relocated 1.0 mile (1.6 km) downstream, no record published for 1974

# WABASH RIVER BASIN

03342800 South Fork Smalls Creek at Bruceville, Ind.

LOCATION.--Lat 38°44'49", long 87°25'44", in the south corner of donation 183, T.4 N., R.9 W., Knox County, on right bank at downstream side of bridge on State Highway 67, 1.0 mile (1.6 km) southwest of Bruceville.

DRAINAGE AREA.--4.94 mi<sup>2</sup> (12.79 km<sup>2</sup>).

GAGE.--Continuous-recording gaging station.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1974	09-12-74	11.34	454

# WABASH RIVER BASIN

03346650 River Deshee tributary near Frichton, Ind.

LOCATION.--Lat 38°40'33", long 87°25'47", in SW¼ survey 29, Vincennes tract, Palmyra Township, Knox County, at culvert on new U.S. Highways 50 and 150, 0.5 mile (0.8 km) southwest of Frichton.

DRAINAGE AREA.--1.2 mi<sup>2</sup> (3.1 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	04-23-73	9.24	180
1974	09-12-74	8.67	145

# WABASH RIVER BASIN

03346840 White River tributary at Parker City, Ind.

LOCATION.--Lat 40°11'35", long 85°11'34", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec.9, T.20 N., R.12 E., Randolph County, at culvert on State Highway 32, 3.3 miles (5.3 km) west of intersection of State Highways 1 and 32 in Farmland.

DRAINAGE AREA.--0.60 mi<sup>2</sup> (1.55 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	09-25-72	5.27 <sup>a</sup>	6
1973	06-26-73	5.95	19
1974	01-18-74	5.46	9

a Maximum for period Aug. 29 to Sept. 30, 1974



# WABASH RIVER BASIN

03346865 Mud Creek tributary at Selma, Ind.

LOCATION.--Lat 40°11'37", long 85°15'26", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec.10, T.20 N., R.11 E., Delaware County, at culvert on State Highway 32, 0.25 mile (0.40 km) east of County Road 650 East in Selma.

DRAINAGE AREA.--0.10 mi<sup>2</sup> (0.26 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	07-21-73	5.24 <sup>a</sup>	4
1974	01-01-74	5.63	7

a Maximum for period July 25 to Sept. 30, 1973

# WABASH RIVER BASIN

03348700 White River tributary near Strawtown, Ind.

LOCATION.--Lat 40°06'47", long 85°57'10", in NW¼SE¼NW¼ sec.10, T.19 N.,  
R.5 E., Hamilton County, at culvert on State Highway 37, 0.9 mile (1.4 km)  
south of intersection of State Highway 37 and Strawtown Avenue in Strawtown.

DRAINAGE AREA.--0.89 mi<sup>2</sup> (2.30 km<sup>2</sup>).

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	08-14-73	7.21 <sup>a</sup>	40
1974	04-03-74	7.32	45

a Maximum for period Oct. 27, 1972 to Sept. 30, 1973

# WABASH RIVER BASIN

03349400 Buscher Ditch near Atlanta, Ind.

LOCATION.--Lat 40°13'26", long 86°02'30", in NE¼NE¼SW¼ sec.35, T.21 N., R.4 E., Tipton County, at culvert on State Highway 19, 0.5 mile (0.8 km) northwest of the Hamilton-Tipton County line.

DRAINAGE AREA.--2.50 mi<sup>2</sup> (6.48 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	07-19-72	5.98 <sup>a</sup>	56
1973	11-14-72	6.89	107
1974	01-19-74	6.69	94

a Maximum for period Apr. 28 to Sept. 30, 1972

# WABASH RIVER BASIN

03350100 Hinkle Creek near Cicero, Ind.

LOCATION.--Lat 40°06'05", long 86°05'10", in NW<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub> sec.16, T.19 N., R.4 E., Hamilton County, on left bank on downstream side of county road bridge, 3.7 miles (6.0 km) above mouth, 4.0 miles upstream from Morse Reservoir Dam, 4.2 miles (6.8 km) southwest of Cicero, and 5.7 miles (9.2 km) northwest of Noblesville.

DRAINAGE AREA.--18.5 mi<sup>2</sup> (47.9 km<sup>2</sup>).

GAGE.--Continuous-recording gaging station.

REMARKS.--Records good.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1956	05-28-56	4.77	636
1957	06-28-57	8.45	4,920
1958	06-10-58	7.13	1,840
1959	01-21-59	5.89	950
1960	07-03-60	3.36	332
1961	07-19-61	8.21	4,280
1962	01-26-62	7.60	2,720
1963	03-04-63	6.95	2,050
1964	04-20-64	7.80	3,290
1965	02-10-65	4.06	715
1966	02-10-66	2.76	278
1967	12-08-66	5.05	1,130
1968	12-21-67	5.88	1,480
1969	01-17-69	5.35	1,210
1970	01-29-70	5.37	1,280
1971	02-18-71	5.93	1,580
1972	04-20-72	5.39	1,300
1973	06-27-73	4.30	810
1974	06-22-74	6.12	1,690

# WABASH RIVER BASIN

03350650 Stony Creek tributary near Lapel, Ind.

LOCATION.--Lat 40°05'22", long 85°49'22", in NE¼NW¼NW¼ sec.23, T.19 N., R.6E., Madison County, at culvert on State Highway 32, 2.0 miles (3.2 km) northeast of State Highways 13 and 32 in Lapel.

DRAINAGE AREA.--0.60 mi<sup>2</sup> (1.55 km<sup>2</sup>), approximately.

GAGE.--Stage-rainfall continuous-recording gages and non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	08-14-72	5.30	47
1974	06-21-74	5.68	67

## Incremental rainfall, stage, and discharge for the 1974 flood peak

<u>Date</u>	<u>Time</u>	<u>Accumulated rainfall (in)</u>	<u>Stage (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
06-21-74	1300	0.20	4.99	0
	1330	----	4.99	0
	1400	.40	4.99	0
	1430	----	4.99	0
	1500	.40	4.99	0
	1530	----	4.99	0
	1600	1.00	4.99	0
	1630	----	4.99	0
	1700	1.30	4.99	28 <sup>a</sup>
	1730	----	5.28	47
	1800	1.70	5.64	64
	1830	----	5.68	67
	1900	1.90	5.51	59
	1930	----	5.25	46
	2000	2.00	5.09	39
	2030	----	5.01	36
	2100	2.00	5.01	33 <sup>a</sup>
	2130	----	5.01	30 <sup>a</sup>
	2200	2.10	5.01	27 <sup>a</sup>

a Estimated from hydrograph

# WABASH RIVER BASIN

03351310 Crooked Creek at Indianapolis, Ind.

LOCATION.--Lat 39°49'47", long 86°12'22", in NW¼SE¼ sec.16, T.16 N., R.3 E., Marion County, on left bank 150 ft (46 m) downstream from 42nd Street bridge in Indianapolis.

DRAINAGE AREA.--17.9 mi<sup>2</sup> (46.4 km<sup>2</sup>).

GAGE.--Continuous-recording gaging station.

REMARKS.--Records good.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1969	07-20-69	4.35 <sup>a</sup>	301
1970	11-19-69	5.58	858
1971	02-04-71	5.20	660
1972	12-14-71	5.38	795
1973	11-02-72	6.37	1,610
1974	06-22-74	7.84	2,570

a Maximum for period June 1 to Sept. 30, 1969

# WABASH RIVER BASIN

03351400 Sugar Creek near Middletown, Ind.

LOCATION.--Lat 40°02'27", long 85°31'30", in NW¼SE¼ sec.5, T.18 N., R.9 E., Henry County, on right bank 90 ft (27 m) upstream from bridge on County Road 750 North, 1 mile (2 km) southeast of Middletown.

DRAINAGE AREA.--5.80 mi<sup>2</sup> (15.0 km<sup>2</sup>).

GAGE.--Continuous-recording gaging station.

REMARKS.--Records fair.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height</u> <u>(ft)</u>	<u>Discharge</u> <u>(ft<sup>3</sup>/s)</u>
1969	01-29-69	5.22	211
1970	03-04-70	4.62	131
1971	02-19-71	5.60	257
1972	12-14-71	5.75	278
1973	11-13-72	5.55	250
1974	06-30-74	7.72	705



# WABASH RIVER BASIN

03352000 Lawrence Creek at Fort Benjamin Harrison, Ind.

LOCATION.--Lat 39°52'09", long 86°01'25", in sec.36, T.17 N., R.4 E.,  
Marion County, on left bank 100 ft (30 m) upstream from Shafter Avenue  
Bridge in Fort Harrison, 600 ft (183 m) east of sewage disposal plant,  
and 0.3 mile (0.5 km) upstream from mouth.

DRAINAGE AREA.--2.74 mi<sup>2</sup> (7.10 km<sup>2</sup>).

GAGE.--Continuous-recording gaging station.

REMARKS.--Records good; discontinued September 1969.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1952	06-12-52	4.90 <sup>a</sup>	418
1953	05-22-53	4.41	355
1954	04-05-54	3.97	340
1955	06-10-55	2.74	150
1956	05-28-56	9.32	2,650
1958	06-10-58	5.61	1,080
1959	01-21-59	5.18	940
1960	07-13-60	4.82	550
1961	04-25-61	5.99	970
1962	04-30-62	5.62	600
1963	03-04-63	6.09	678
1964	03-08-64	6.12	678
1965	04-08-65	5.05	360
1966	09-03-66	4.30	194
1967	12-08-66	5.82	578
1968	08-15-68	4.60	285
1969	07-22-69	5.67	539

a Maximum for period Mar. 26 to Sept. 30, 1952

# WABASH RIVER BASIN

03352400 Blue Creek near Castleton, Ind.

LOCATION.--Lat 39°53'23", long 86°02'46", in NW¼NE¼SE¼ sec.26, T.17 N., R.4 E., Marion County, at culvert on State Highway 100, 0.1 mile (0.2 km) south of 75th Street, 1.2 miles (1.9 km) south of Castleton.

DRAINAGE AREA.--0.95 mi<sup>2</sup> (2.46 km<sup>2</sup>).

GAGE.--Stage-rainfall continuous-recording gages and non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	04-22-72	5.20 <sup>a</sup>	11
1973	08-14-73	6.15	30
1974	06-22-74	7.05	58

a Maximum for period May 16 to Sept. 30, 1972

## Incremental rainfall, stage, and discharge for the 1974 flood peak

<u>Date</u>	<u>Time</u>	<u>Accumulated rainfall (in)</u>	<u>Stage (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
06-22-74	1100	0.00	5.08	0
	1200	.04	5.08	4 <sup>a</sup>
	1300	.21	5.09	8
	1400	.22	5.09	9
	1500	.24	5.09	9
	1600	.24	5.13	10
	1700	.55	5.36	13
	1800	.88	5.89	24
	1900	1.65	6.59	43
	2000	1.75	7.04	58
	2100	1.81	6.82	51
	2200	2.12	6.36	36
	2300	2.30	6.07	28
	2400	2.35	5.93	24
06-23-74	0100	2.36	5.79	21
	0200	2.39	5.69	19
	0300	2.39	5.59	17
	0400	2.40	5.50	16
	0500	2.40	5.43	14

a Estimated from hydrograph

# WABASH RIVER BASIN

03353120 Pleasant Run at Arlington Avenue at Indianapolis, Ind.

LOCATION.--Lat 39°46'33", long 86°03'50", in SW¼NW¼ sec.2, T.15 N., R.4 E., Marion County, on right bank 46 ft (14 m) upstream from Arlington Avenue bridge in Indianapolis, and 0.5 mile (0.8 km) downstream from small left-bank tributary.

DRAINAGE AREA.--7.58 mi<sup>2</sup> (19.6 km<sup>2</sup>).

GAGE.--Continuous-recording gaging station.

REMARKS.--Records good.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1960	07-13-60	6.48 <sup>a</sup>	535
1961	04-25-61	9.49	1,360
1962	03-21-62	6.86	650
1963	03-04-63	10.32	1,610
1964	03-09-64	10.25	1,590
1965	02-09-65	6.69	700
1966	02-10-66	4.95	262
1967	12-08-66	6.36	590
1968	04-04-68	9.36	1,360
1969	07-20-69	9.44	1,370
1970	04-24-70	6.58	645
1971	02-04-71	7.06	785
1972	04-07-72	7.43	858
1973	11-02-72	8.08	1,020
1974	06-22-74	8.40	1,100

a Maximum for period Dec. 8, 1959 to Sept. 30, 1960

# WABASH RIVER BASIN

03353160 Pleasant Run at Brookville Road at Indianapolis, Ind.

LOCATION.--Lat 39°45'52", long 86°05'43", in NE¼NW¼ sec.9, T.15 N., R.4 E., Marion County, on right bank at downstream side of Brookville Road in Indianapolis, and 2.2 miles (3.5 km) downstream from Arlington Avenue.

DRAINAGE AREA.--10.1 mi<sup>2</sup> (26.2 km<sup>2</sup>).

GAGE.--Continuous-recording gaging station.

REMARKS.--Records fair.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1960	07-13-60	6.39 <sup>a</sup>	860
1961	04-25-61	8.18	1,560
1962	03-21-62	5.76	670
1963	03-04-63	9.22	2,010
1964	03-09-64	8.87	1,840
1965	02-09-65	5.92	775
1966	09-20-66	4.50	367
1967	12-08-66	5.95	790
1968	04-04-68	8.36	1,660
1969	07-20-69	9.07	1,950
1970	01-28-70	7.27	1,240
1971	02-04-71	6.48	958
1972	12-14-71	6.79	1,080
1973	11-02-72	7.14	1,200
1974	06-22-74	7.68	1,390

a Maximum for period Nov 25, 1959 to Sept. 30, 1960

# WABASH RIVER BASIN

03353180 Bean Creek at Indianapolis, Ind.

LOCATION.--Lat 39°43'45", long 86°07'14", in NW¼SW¼ sec.20, T.15 N., R.4 E., Marion County, on left bank 80 ft (24 m) upstream from Keystone Avenue bridge, and west edge of Sarah Shank Golf Course in Indianapolis.

DRAINAGE AREA.--4.40 mi<sup>2</sup> (11.40 km<sup>2</sup>).

GAGE.--Continuous-recording gaging station.

REMARKS.--Records good.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1971	02-04-71	5.91	358
1972	06-15-72	4.25	149
1973	06-04-73	5.09	248
1974	05-17-74	6.57	556

WABASH RIVER BASIN

03353620 Lick Creek at Indianapolis, Ind.

LOCATION.--Lat 39°24'21", long 86°06'13", in NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec.32, T.15 N.,  
R.4 E., Marion County, on left bank at upstream side of Sherman Drive  
bridge in Indianapolis.

DRAINAGE AREA.--15.6 mi<sup>2</sup> (40.4 km<sup>2</sup>).

GAGE.--Continuous-recording gaging station.

REMARKS.--Records fair.

Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1971	02-04-71	5.46	578
1972	06-15-72	4.70	365
1973	06-05-73	6.32	908
1974	05-17-74	7.37	1,900

# WABASH RIVER BASIN

03353668 White Lick Creek tributary near Brownsburg, Ind.

LOCATION.--Lat 39°53'54", long 86°23'34", in SE¼NE¼SE¼ sec.22, T.17 N., R.1 E., Hendricks County, at culvert on State Highway 267, 4.0 miles (6.4 km) north of U.S. Highway 136 in Brownsburg.

DRAINAGE AREA.--0.20 mi<sup>2</sup> (0.52 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gage.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	06-13-72	5.20 <sup>a</sup>	19
1973	07-21-73	5.70	47
1974	06-22-74	5.95	63

a Maximum for period May 26 to Sept. 30, 1972



# WABASH RIVER BASIN

03354500 Beanblossom Creek at Beanblossom, Ind.

LOCATION.--Lat 39°15'45", long 86°14'55", in SW¼NW¼ sec.31, T.10 N., R.3 E., Brown County, on right bank 15 ft (5 km) downstream from bridge on State Highway 135, 0.3 mile (0.5 km) south of Beanblossom, and 2.5 miles (4 km) upstream from North Fork Beanblossom Creek.

DRAINAGE AREA.--14.6 mi<sup>2</sup> (37.8 km<sup>2</sup>).

GAGE.--Continuous-recording gaging station.

REMARKS.--Records good.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1952	12-07-51	11.42	5,040
1953	03-03-53	7.43	790
1954	01-26-54	5.48	335
1955	03-21-55	7.20	700
1956	06-21-56	10.33	2,250
1957	05-19-57	10.24	2,140
1958	06-13-58	10.36	2,360
1959	01-21-59	10.57	2,600
1960	06-23-60	11.78	8,140
1961	05-08-61	10.83	3,000
1962	07-15-62	8.53	1,270
1963	03-04-63	9.30	1,580
1964	03-09-64	10.18	2,140
1965	02-10-65	7.25	1,300
1966	04-30-66	7.31	1,340
1967	04-21-67	8.05	1,560
1968	05-24-68	11.10	3,390
1969	07-22-69	9.62	2,270
1970	04-24-70	8.43	1,700
1971	02-22-71	6.99	1,130
1972	04-16-72	9.97	2,480
1973	07-24-73	6.49	952
1974	05-21-74	8.61	1,580

# WABASH RIVER BASIN

03355000 Bear Creek near Trevlac, Ind.

LOCATION.--Lat 39°16'40", long 86°20'45", in NE¼NE¼ sec.30, T.10 N., R.2 E., Brown County, on left bank 15 ft (5 m) west of Bear Creek Road, 100 ft (30 m) upstream from Slippery Elm Shoot Road ford, 1.1 miles (1.8 km) northwest of Trevlac, and 1.3 miles (2.1 km) upstream from mouth.

DRAINAGE AREA.--6.94 mi<sup>2</sup> (17.9 km<sup>2</sup>).

GAGE.--Continuous-recording gaging station.

REMARKS.--Records fair. Discontinued 1973, and converted to partial-record station.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1953	03-03-53	3.72	252
1954	01-25-54	3.76	258
1955	05-28-55	5.36	670
1956	11-16-55	7.20	1,580
1957	06-12-57	7.62	1,830
1958	06-13-58	6.14	940
1959	01-21-59	6.43	1,100
1960	06-23-60	7.08	1,520
1961	05-08-61	6.07	1,400
1962	02-26-62	3.81	278
1963	03-04-63	4.49	412
1964	03-09-63	4.73	466
1965	02-10-65	4.50	412
1966	04-30-66	4.77	494
1967	12-08-66	4.47	412
1968	05-24-68	6.96	1,460
1969	01-29-69	4.60	438
1970	04-24-70	4.41	314
1971	01-04-71	3.90	270
1972	04-07-72	4.98	544
1973	11-13-72	4.37	379

# WABASH RIVER BASIN

03356780 Limestone Creek tributary near Gosport, Ind.

LOCATION.--Lat 39°21'12", long 86°40'58", in NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec.31, T.11 N., R.2 W., Owen County, at culvert on State Highway 67, 0.9 mile (1.4 km) west of Gosport.

DRAINAGE AREA.--0.80 mi<sup>2</sup> (2.07 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	06-13-72	5.08 <sup>a</sup>	22
1973	07-21-73	6.18	107
1974	05-15-74	6.53	140

a Maximum for period May 4 to Sept. 30, 1972

# WABASH RIVER BASIN

03357010 White River tributary near Spencer, Ind.

LOCATION.--Lat 39°16'09", long 86°46'45", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec.30, T,9 N., R.4 W., Owen County, at culvert on State Highway 67 and U.S. Highway 231, 1.3 miles (2.1 km) southwest of State Highway 46 in Spencer.

DRAINAGE AREA.--0.20 mi<sup>2</sup> (0.52 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	06-06-73	6.45	66
1974	05-15-74	7.42	110

# WABASH RIVER BASIN

03357350 Plum Creek near Bainbridge, Ind.

LOCATION.--Lat 39°45'42", long 86°43'46", in SW¼SE¼ sec.3, T.15 N., R.3 W., Putnam County, on right upstream wingwall of bridge on U.S. Highway 36, 0.5 mile (0.8 km) west of Groveland, and 4.5 miles (7.2 km) east of Bainbridge.

DRAINAGE AREA.--3.0 mi<sup>2</sup> (7.8 km<sup>2</sup>).

GAGE.--Continuous-recording gaging station.

REMARKS.--Records good.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height</u> <u>(ft)</u>	<u>Discharge</u> <u>(ft<sup>3</sup>/s)</u>
1969	09-17-69	3.44 <sup>a</sup>	270
1970	04-24-70	3.34	235
1971	07-24-71	5.29	632
1972	12-14-71	4.17	384
1973	11-02-72	4.15	380
1974	05-15-74	3.44	219

a Maximum for period July 1 to Sept. 30, 1969

# WABASH RIVER BASIN

03357430 Owl Creek tributary near Bainbridge, Ind.

LOCATION.--Lat 39°45'46", long 86°52'53", in SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec.5, T.15 N., R.4 W., Putnam County, at culvert on U.S. Highway 36, 3.7 miles (6.0 km) west of Bainbridge.

DRAINAGE AREA.--0.70 mi<sup>2</sup> (1.81 km<sup>2</sup>), approximately.

GAGE.--Stage-rainfall continuous-recording gages and non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	11-02-72	7.91	225
1974	05-15-74	7.37	160

## Incremental rainfall, stage, and discharge for the 1973 flood peak

<u>Date</u>	<u>Time</u>	<u>Accumulated rainfall (in)</u>	<u>Stage (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
07-20-73	1600	0.32	5.10	0
	1700	.85	5.68	31
	1800	.85	6.63	92
	1900	.87	6.12	52
	2000	1.20	5.85	35
	2100	1.26	6.23	60
	2200	1.31	6.28	64
	2300	1.33	5.87	36
	2400	1.65	5.83	34
07-21-73	0100	1.79	6.23	60
	0200	1.95	6.48	78
	0300	2.12	6.28	64
	0400	2.21	6.24	61
	0500	2.40	6.28	64
	0600	2.43	6.16	55
	0700	2.43	6.07	48
	0800	2.51	5.81	33
	0900	2.53	5.57	20
	1000	2.53	5.35	10
	1100	2.53	5.17	7
	1200	2.53	5.17	7

# WABASH RIVER BASIN

03360100 Clear Branch at Cory, Ind.

LOCATION--Lat 39°23'20", long 87°11'58", in SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec.16, T.11 N., R.7 W., Clay County, at culvert on State Highway 46, 4.9 miles (7.9 km) west of State Highway 59.

DRAINAGE AREA.--0.60 mi<sup>2</sup> (1.55 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	07-21-73	8.21	90
1974	05-17-74	7.62	70



# WABASH RIVER BASIN

03360400 Doans Creek tributary near Doans, Ind.

LOCATION.--Lat 38°55'12", long 86°50'54", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec.27, T,6 N.,  
R.4 W., Greene County, at culvert on State Highway 58 at Doans.

DRAINAGE AREA.--0.25 mi<sup>2</sup> (0.65 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height</u> <u>(ft)</u>	<u>Discharge</u> <u>(ft<sup>3</sup>/s)</u>
1973	04-22-73	6.55 <sup>a</sup>	52
1974	08-11-74	7.53	89

a Maximum for period Oct..6, 1972 to Sept. 30, 1973

# WABASH RIVER BASIN

03360750 Miller Ditch tributary near Bicknell, Ind.

LOCATION.--Lat 38°47'08", long 87°18'36", in SE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec.16, T.4 N., R.8 W., Knox County, at culvert on State Highway 159, 0.4 mile (0.6 km) north of State Highway 67 in Bicknell.

DRAINAGE AREA.--0.60 mi<sup>2</sup> (1.55 km<sup>2</sup>), approximately.

GAGE.--Stage-rainfall continuous-recording gages and non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	08-12-73	6.13	62
1974	05-30-74	6.79	86

## Incremental rainfall, stage, and discharge for the 1974 flood peak

<u>Date</u>	<u>Time</u>	<u>Accumulated rainfall (in)</u>	<u>Stage (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
05-30-74	1600	0.00	4.99	0
	1630	.02	4.99	0
	1700	.30	4.99	0
	1730	.31	5.00	25
	1800	.45	5.00	25
	1830	.45	5.01	26
	1900	.46	5.01	26
	1930	1.46	6.18	64
	2000	1.58	5.68	46
	2030	1.61	5.03	27
	2100	1.66	5.02	26

# WABASH RIVER BASIN

03360850 Veales Creek tributary at Washington, Ind.

LOCATION.--Lat 38°37'16", long 87°11'00", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec.10, T.2 N., R.7 W., Daviess County, at culvert on State Highway 57, 2.3 miles (3.7 km) south of U.S. Highway 50 in Washington.

DRAINAGE AREA.--0.25 mi<sup>2</sup> (0.65 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	08-22-73	6.23	74
1974	06-22-74	6.35	80

WABASH RIVER BASIN

03360970 Buck Creek tributary at Dunreith, Ind.

LOCATION.--Lat 39°48'15", long 85°26'34", in NW¼SE¼SW¼ sec.29, T.16 N., R.10 E., Henry County, at culvert on State Highway 3 at northwest edge of Dunreith.

DRAINAGE AREA.--1.50 mi<sup>2</sup> (3.88 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	11-14-72	5.36	7
1974	05-17-74	6.45	62

# WABASH RIVER BASIN

03361600 Little Sugar Creek tributary at Carrollton, Ind.

LOCATION.--Lat 39°42'22", long 85°49'40", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec.35, T.15N., R.6 E., Hancock County, at culvert on U.S. Highway 52, 3.4 miles (5.5 km) southeast of New Palestine.

DRAINAGE AREA.--0.80 mi<sup>2</sup> (2.07 km<sup>2</sup>), approximately.

GAGE.--Stage-rainfall continuous-recording gages and non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	06-04-73	6.56	114
1974	06-22-74	6.60	117

## Incremental rainfall, stage, and discharge for the 1973 flood peak

<u>Date</u>	<u>Time</u>	<u>Accumulated rainfall (in)</u>	<u>Stage (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
06-04-73	1200	0.80	5.00	0
	1300	1.26	5.01	14 <sup>a</sup>
	1400	1.27	5.00	30 <sup>a</sup>
	1500	1.28	5.00	45 <sup>a</sup>
	1600	2.08	5.81	60
	1700	2.08	5.84	61
	1800	2.08	6.09	78
	1900	2.08	6.34	96
	2000	2.11	6.43	104
	2100	2.11	6.39	100
	2200	2.11	6.23	88
	2300	2.11	5.93	67
	2400	2.11	5.74	55

a Estimated from hydrograph

# WABASH RIVER BASIN

03361890 Gilmore Creek near Bargersville, Ind.

LOCATION.--Lat 39°30'44", long 86°08'26", in NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec.1, T.12 N., R.3 E., Johnson County, at culvert on State Highway 144, 1.0 mile (1.6 km) southeast of State Highway 135 east of Bargersville.

DRAINAGE AREA.--1.0 mi<sup>2</sup> (2.6 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	06-21-73	6.58	60
1974	05-17-74	7.15	95

# WABASH RIVER BASIN

03363600 Goddard Ditch tributary near Rushville, Ind.

LOCATION.--Lat 39°35'22", long 85°31'51", in NE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec.9, T,13 N.,  
R.9 E., Rush County, at culvert on State Highway 44, 4.3 miles (6.9 km)  
west of Rushville.

DRAINAGE AREA.--0.50 mi<sup>2</sup> (1.30 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	11-14-72	7.09	24
1974	06-22-74	8.52	45



# WABASH RIVER BASIN

03364100 Tough Creek near Norristown, Ind.

LOCATION.--Lat 39°22'19", long 85°45'38", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec.28, T.11 N., R.7 E., Shelby County, at culvert 0.5 mile (0.18 km) north of Norristown.

DRAINAGE AREA.--1.50 mi<sup>2</sup> (3.88 km<sup>2</sup>), approximately.

GAGE.--Stage-rainfall continuous-recording gages and non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	07-21-73	8.11	151
1974	08-31-74	7.95	135

## Incremental rainfall, stage, and discharge for the 1973 flood peak

<u>Date</u>	<u>Time</u>	<u>Accumulated rainfall (in)</u>	<u>Stage (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
07-21-73	0100	0.96	5.04	0
	0200	.99	5.04	6 <sup>a</sup>
	0300	1.62	5.04	12 <sup>a</sup>
	0400	1.76	5.21	18
	0500	1.84	5.05	15
	0600	2.10	5.06	16
	0700	2.64	5.71	31
	0800	2.91	6.89	77
	0900	3.01	6.85	75
	1000	3.04	6.23	48
	1100	3.04	5.58	27
	1200	3.05	5.23	19
	1300	4.10	7.69	120
	1400	4.10	8.11	151
	1500	4.10	7.68	119
	1600	4.10	7.07	86
	1700	4.10	6.31	51
	1800	4.10	5.51	25
	1900	4.10	5.24	18
	2000	4.10	5.13	14

a Estimated from hydrograph

# WABASH RIVER BASIN

03364600 Clifty Creek tributary near Newbern, Ind.

LOCATION.--Lat 39°14'35", long 85°43'30", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec.10, T.9 N., R.7 E., Barthlomew County, at culvert on State Highway 46, 1.5 miles (2.4 km) northeast of Newbern.

DRAINAGE AREA.--0.32 mi<sup>2</sup> (0.83 km<sup>2</sup>).

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	07-21-73	5.37	59
1974	04-03-74	5.30	57

# WABASH RIVER BASIN

03364570 Fall Fork Clifty Creek tributary near Horace, Ind.

LOCATION.--Lat 39°16'01", long 85°34'30", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{2}$  sec.31, T.10 N., R.9 E., Decatur County, at culvert on State Highway 3, 2.8 miles (4.5 km) south of State Highway 46, 0.4 mile (0.6 km) north of Horace.

DRAINAGE AREA.--1.00 mi<sup>2</sup> (2.59 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	03-11-73	6.62 <sup>a</sup>	40
1974	08-31-74	8.23	140

a Maximum for period Oct. 17, 1972 to Sept. 30, 1973

# WABASH RIVER BASIN

03366200 Harberts Creek near Madison, Ind.

LOCATION.--Lat 38°46'55", long 85°29'08", in SW¼SE¼ sec.14, T.4 N., R.9 E., Jefferson County, attached to left downstream wingwall of bridge on County Road 533 West, 0.2 mile (0.3 km) west of Smyrna, 3.7 miles (5.9 km) upstream from Big Creek, and 4 miles (6 km) northwest of Madison.

DRAINAGE AREA.--9.31 mi<sup>2</sup> (24.1 km<sup>2</sup>).

GAGE.--Continuous-recording gaging station.

REMARKS.--Records good.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1968	09-05-68	3.57 <sup>a</sup>	42
1969	01-28-69	6.04	564
1970	04-02-70	7.89	1,540
1971	02-22-71	7.35	1,280
1972	04-16-72	7.36	1,280
1973	06-06-73	7.10	1,150
1974	05-30-74	6.65	926

a Maximum for period Aug. 1 to Sept. 30, 1968

# WABASH RIVER BASIN

03366400 Lewis Creek tributary near Kent, Ind.

LOCATION.--Lat 38°44'13", long 85°35'39", in NW¼NE¼NE¼ sec.2, T.3 N., R.8 E., Jefferson County, on State Highway 256, 2.8 miles (4.5 km) west of Kent.

DRAINAGE AREA.--0.20 mi<sup>2</sup> (0.52 km<sup>2</sup>), approximately.

GAGE.--Stage-rainfall continuous-recording gages and non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	07-21-73	6.42	72
1974	05-18-74	6.28	70

a Maximum for period May 8 to Sept. 30, 1973

## Incremental rainfall, stage, and discharge for the 1973 flood peak

<u>Date</u>	<u>Time</u>	<u>Accumulated rainfall (in)</u>	<u>Stage (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
07-21-73	1300	0.86	5.07	0
	1400	1.58	5.08	14 <sup>a</sup>
	1500	1.58	5.08	28 <sup>a</sup>
	1600	2.66	6.42	65
	1700	2.73	5.25	33
	1800	2.73	5.09	29
	1900	2.73	5.09	29

a Estimated from hydrograph

# WABASH RIVER BASIN

03367600 Flat Creek tributary at New Frankfort, Ind.

LOCATION.--Lat 38°44'18", long 85°42'50", in NE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec.35, T.4 N., R.7 E., Scott County, at culvert on State Highway 256, 0.2 mile (0.3 km) northwest of State Highway 203 in Scott County.

DRAINAGE AREA.--0.30 mi<sup>2</sup> (0.78 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	07-24-73	7.45	152
1974	06-22-74	6.16	73



# WABASH RIVER BASIN

03368000 Brush Creek near Nebraska, Ind.

LOCATION.--Lat 39°04'13", long 85°29'10", in NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec.11, T.7 N., R.9 E., Jennings County, on right bank at downstream side of county road bridge, 1.5 miles (2.4 km) northwest of Nebraska, 2.9 miles (4.7 km) northeast of Butlerville, and 3.6 miles (5.8 km) upstream from Brush Creek Dam.

DRAINAGE AREA.--11.4 mi<sup>2</sup> (29.5 km<sup>2</sup>).

GAGE.--Continuous-recording gaging station.

REMARKS.--Records poor.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1956	05-28-56	8.75	1,870
1957	07-04-57	9.17	2,080
1958	07-22-58	9.70	2,360
1959	01-21-59	10.30	2,730
1960	06-23-60	10.03	2,540
1961	05-07-61	9.48	2,250
1962	07-15-62	10.90	3,120
1963	03-04-63	10.04	2,540
1964	03-09-64	9.00	1,980
1965	04-08-65	8.50	1,710
1966	01-02-66	6.86	990
1967	05-02-67	7.47	1,240
1968	05-24-68	11.40	3,440
1969	01-29-69	8.38	1,650
1970	04-02-70	8.08	1,500
1971	02-22-71	7.90	1,460
1972	04-16-72	8.63	1,780
1973	07-24-73	8.52	1,720
1974	04-01-74	8.17	1,540



# WABASH RIVER BASIN

03369700 Sixmile Creek tributary near North Vernon, Ind.

LOCATION.--Lat 39°01'55", long 85°38'24", in NW¼SW¼SE¼ sec.21, T.7 N., R.8 E., Jennings County, at culvert on State Highway 3, 1.2 miles (1.9 km) north of State Highway 7 in North Vernon.

DRAINAGE AREA.--0.50 mi<sup>2</sup> (1.30 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gage.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	07-21-73	7.78	55
1974	04-03-74	6.17	10

# WABASH RIVER BASIN

03370100 Blau Ditch tributary near Crothersville, Ind.

LOCATION.--Lat 38°48'17", long 85°50'25", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec.10, T.4 N., R.6 E., Jackson County, at culvert on U.S. Highway 31, 1.4 miles (2.2 km) north of Crothersville.

DRAINAGE AREA.--0.15 mi<sup>2</sup> (0.39 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	07-21-73	6.35 <sup>a</sup>	21
1974	09-12-74	7.76	40

a Maximum for period May 11 to Sept. 30, 1973

# WABASH RIVER BASIN

03371630 North Fork Salt Creek tributary near Nashville, Ind.

LOCATION.--Lat 39°11'38", long 86°12'11", in NE<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub> sec.28, T.9 N., R.3 E., Brown County, at culvert on State Highway 46, 2.6 miles (4.2 km) east of State Highway 135 in Nashville.

DRAINAGE AREA.--0.36 mi<sup>2</sup> (0.93 km<sup>2</sup>).

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	11-13-72	5.69	7
1974	04-08-74	5.94	10

WABASH RIVER BASIN

03372300 Stephens Creek near Bloomington, Ind.

LOCATION.--Lat 39°10'11", long 86°25'07", in NE¼NW¼ sec.4, T.8 N., R.1 E., Monroe County, on downstream side of right pier of bridge on State Highway 46, 0.2 mile (0.3 km) downstream from Kerr Creek, 4.0 miles (6.4 km) west of Belmont, and 6.1 miles (9.8 km) east of Bloomington.

DRAINAGE AREA.--10.9 mi<sup>2</sup> (28.2 km<sup>2</sup>).

GAGE.--Continuous-recording gaging station.

REMARKS.--Records good.

Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1971	06-21-71	9.13	504
1972	04-16-72	10.54	691
1973	11-13-72	10.20	640
1974	05-29-74	10.80	1,000

# WABASH RIVER BASIN

03372680 Clear Creek tributary near Bloomington, Ind.

LOCATION.--Lat 39°04'24", long 86°32'39", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec.5, T.7 N., R.1 W., Monroe County, at culvert on State Highway 37, 5.5 miles (8.8 km) south of Bloomington.

DRAINAGE AREA.--0.40 mi<sup>2</sup> (1.03 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	09-29-72	6.35 <sup>a</sup>	40
1973	06-27-72	6.62	54
1974	05-29-74	7.02	72

a Maximum for period Sept. 8 to Sept. 30, 1972

WABASH RIVER BASIN

03373240 Spring Creek tributary near Springville, Ind.

LOCATION.--Lat 38°54'41", long 86°39'09", in SE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec.32, T.6 N., R.2 W., Lawrence County, at culvert on State Highway 58, 6.6 miles (10.6 km) northwest of State Highway 37 in Oolitic.

DRAINAGE AREA.--0.40 mi<sup>2</sup> (1.04 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	09-29-72	5.23 <sup>a</sup>	8
1973	04-22-73	5.93	33
1974	05-31-74	9.36	285

a Maximum for period Sept. 8 to Sept. 30, 1972

# WABASH RIVER BASIN

03373640 Lick Creek tributary near Paoli, Ind.

LOCATION.--Lat 38°34'13", long 86°30'39", in NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec.34, T.2 N.,  
R.1 W., Orange County, at culvert on State Highway 56, 2.5 miles  
(4.0 km) west of Paoli.

DRAINAGE AREA.--0.20 mi<sup>2</sup> (0.52 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	07-21-73	12.60	95
1974	11-27-73	10.06	20



# WABASH RIVER BASIN

03373680 French Lick Creek tributary near French Lick, Ind.

LOCATION.--Lat 38°30'08", long 86°36'20", in SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec.23, T.1 N., R.2 W., Orange County, at culvert on State Highway 145, 4.3 miles (6.9 km) south of intersection of State Highways 145 and 56 in French Lick.

DRAINAGE AREA.--0.30 mi<sup>2</sup> (0.78 km<sup>2</sup>), approximately.

GAGE.--Stage-rainfall continuous-recording gages and non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	07-21-73	7.71 <sup>a</sup>	65
1974	05-31-74	6.68	105

a Maximum for period Apr. 17 to Sept. 30, 1973

## Incremental rainfall, stage, and discharge for the 1973 flood peak

<u>Date</u>	<u>Time</u>	<u>Accumulated rainfall (in)</u>	<u>Stage (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
07-21-73	1700	0.00	5.00	0
	1800	.78	5.02	9
	1900	1.49	6.91	40
	2000	1.49	7.69	64
	2100	1.49	6.98	42
	2200	1.49	6.04	21
	2300	1.49	5.05	9
	2400	1.50	5.05	9

# WABASH RIVER BASIN

03373850 Slate Creek tributary near Haysville, Ind.

LOCATION.--Lat 38°33'30", long 86°54'10", in NE¼SW¼SW¼ sec.31, T.2 N., R.4 W., Martin County, at culvert on U.S. Highway 231, 5.5 miles (8.8 km) north of intersection of U.S. Highway 231 and State Highway 56, in Haysville or 8.0 miles (12.9 km) south of intersection of U.S. Highways 231, 150, and 50 in Loogootee.

DRAINAGE AREA.--0.20 mi<sup>2</sup> (0.52 km<sup>2</sup>).

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	08-01-73	7.59 <sup>a</sup>	125
1974	09-29-74	7.25	110

a Maximum for period May 10 to Sept. 30, 1973

# WABASH RIVER BASIN

03374455 Patoka River near Hardinsburg, Ind.

LOCATION.--Lat 38°26'41", long 86°23'14", in NW¼SE¼ sec.10, T.1 S., R.1 E., Orange County, on downstream edge of center pier of county road bridge, 0.2 mile (0.3 km) upstream from left-bank tributary, 0.7 mile (11.3 km) northeast of Valeene, and 6.0 miles (9.6 km) southwest of Hardinsburg.

DRAINAGE AREA.--12.8 mi<sup>2</sup> (33.1 km<sup>2</sup>).

GAGE.--Continuous-recording gaging station.

REMARKS.--Records good.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1969	05-18-69	7.20	1,400
1970	04-27-70	7.22	1,410
1971	02-22-71	6.05	1,100
1972	04-16-72	7.09	1,480
1973	07-21-73	7.39	1,600
1974	11-26-73	6.31	1,170

WABASH RIVER BASIN

03374495 Ritter Creek tributary near Wickliffe, Ind.

LOCATION.--Lat 38°21'58", long 86°39'48", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec.6, T.25 N., R.2 W., Crawford County, at culvert on State Highway 164, 2.5 miles (4.0 km) west of State Highway 145.

DRAINAGE AREA.--0.25 mi<sup>2</sup> (0.65 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	08-12-73	9.00	120
1974	11-26-73	8.89	118

# WABASH RIVER BASIN

03376230 Shiloh Drain near Jasper

LOCATION.--Lat 38°24'26", long 86°58'47", in NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec.28, T.15 N., R.5 W., Dubois County, at culvert on State Highway 56, at Ireland, 2.8 miles (4.5 km) northwest of Jasper.

DRAINAGE AREA.--0.60 mi<sup>2</sup> (1.55 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	06-04-73	8.43 <sup>a</sup>	170
1974	01-20-74	9.31	220

a Maximum for period Jan. 11 to Sept. 30, 1973

# WABASH RIVER BASIN

03376340 Patoka River tributary near Glezen, Ind.

LOCATION.--Lat 38°23'41", long 87°19'05", in NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec.29, T.1 S., R.8 W., Pike County, at culvert on State Highway 57, 7.9 miles (12.7 km) south of intersection of State Highways 61, 56, and 57 in Petersburg.

DRAINAGE AREA.--1.00 mi<sup>2</sup> (2.59 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	04-18-73	7.08	110
1974	09-29-74	6.61	80

# WABASH RIVER BASIN

03376600 Patoka River tributary near Patoka, Ind.

LOCATION.--Lat 38°23'08", long 87°35'21", in SE $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec.36, T.15 N., R.11 W., Gibson County, at culvert on old U.S. Highway 41, 1.2 miles (1.9 km) south of Patoka River at Patoka.

DRAINAGE AREA.--0.40 mi<sup>2</sup> (1.04 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	05-23-73	7.20 <sup>a</sup>	55
1974	05-22-74	11.57	150

a Maximum for period Nov. 9, 1972 to Sept. 30, 1973



# WABASH RIVER BASIN

03378570 Little Creek tributary near Kasson, Ind.

LOCATION.--Lat 38°01'55", long 87°40'52", in NE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec.6, T.6 S., R.11 W., Vanderburgh County, at culvert on State Highway 66 and U.S. Highway 460, 2.8 miles (4.5 km) northwest of Kasson.

DRAINAGE AREA.--0.40 mi<sup>2</sup> (1.04 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	07-21-73	11.25 <sup>a</sup>	220
1974	05-31-74	11.87	256

a Maximum for period Apr. 18 to Sept. 30, 1973

# WABASH RIVER BASIN

03378590 Olive Creek tributary near Solitude, Ind.

LOCATION.--Lat 38°00'14", long 87°53'57", in NW¼SE¼NW¼ sec.17, T.6 S., R.13 W., Posey County, at culvert on State Highway 69, 0.65 miles (1.04 km) south of Solitude.

DRAINAGE AREA.--0.31 mi<sup>2</sup> (0.80 km<sup>2</sup>), approximately.

GAGE.--Stage-rainfall continuous-recording gages and non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	07-21-73	6.44	53
1974	05-31-74	9.89	270

## Incremental rainfall, stage, and discharge for the 1974 flood peak

<u>Date</u>	<u>Time</u>	<u>Accumulated rainfall (in)</u>	<u>Stage (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
05-30-74	1900	0.00	5.07	0
	2000	.01	5.07	0
	2100	.01	5.07	0
	2200	.05	5.08	0
	2300	.06	5.08	0
	2400	.06	5.08	0
05-31-74	0100	.07	5.08	18 <sup>a</sup>
	0200	1.09	6.19	38
	0300	2.31	7.69	126
	0400	2.31	7.64	122
	0500	2.31	7.61	120
	0600	2.31	7.57	118
	0700	2.31	7.53	115
	0800	2.31	7.49	112

a Estimated from hydrograph

# STREAMS TRIBUTARY TO LAKE MICHIGAN

04095250 East Branch Trail Creek tributary near Springville, Ind.

LOCATION.--Lat 41°41'22", long 86°46'42", in NE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec.5, T.37 N., R.3 W., LaPorte County, at culvert on U.S. Highway 20, 1.4 miles (2.2 km) east of U.S. Highway 35.

DRAINAGE AREA.--0.25 mi<sup>2</sup> (0.65 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	09-29-72	5.85 <sup>a</sup>	18
1973	04-22-73	6.48	29
1974	04-04-74	6.75	34

a Maximum for period June 8 to Sept. 30, 1972

# STREAMS TRIBUTARY TO LAKE MICHIGAN

04096100 Galena River near LaPorte, Ind.

LOCATION.--Lat 41°44'54", long 86°40'30", in SE¼NW¼ sec.17, T.38 N., R.2 W., LaPorte County, on left bank at downstream side of bridge on County Road 125 East, 1.3 miles (2.1 km) upstream from Indiana-Michigan State Line, and 9.8 miles (15.8 km) north of courthouse in LaPorte.

DRAINAGE AREA.--17.2 mi<sup>2</sup> (44.5 km<sup>2</sup>).

GAGE.--Continuous-recording gaging station.

REMARKS.--Records good.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1970	04-20-70	5.48	128
1971	02-05-71	unknown	200
1972	03-13-72	6.23	160
1973	04-22-73	6.47	172
1974	01-21-74	5.70	180

# STREAMS TRIBUTARY TO LAKE MICHIGAN

04097970 Lime Lake Outlet at Panama, Ind.

LOCATION.--Lat 41°42'46", long 85°07'10", in NW<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub> sec.35, T.38 N., R.12 E., Steuben County, on right bank 10 ft (3 m) downstream from dam for Lime Lake, 30 ft (9 m) upstream from bridge on Orland Road, and 0.7 mile (1.1 km) northwest of Panama.

DRAINAGE AREA.--17.5 mi<sup>2</sup> (45.3 km<sup>2</sup>).

GAGE.--Continuous-recording gaging station.

REMARKS.--Records fair.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1970	04-20-70	4.38	26
1971	10-29-70	4.09	18
1972	04-22-72	unknown	17
1973	06-06-73	4.43	24
1974	04-03-74	4.54	29

# STREAMS TRIBUTARY TO LAKE MICHIGAN

04099060 Pigeon Creek tributary near Ellis, Ind.

LOCATION.--Lat 41°37'43", long 84°54'56", in NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec.34, T.37 N., R.14 E., Steuben County, at culvert on State Highway 1, 0.25 mile (0.40 km) south of U.S. Highway 20.

DRAINAGE AREA.--1.00 mi<sup>2</sup> (2.59 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	09-16-72	5.06 <sup>a</sup>	3
1973	11-16-72	6.30	20
1974	01-22-73	6.68	25

a Maximum for period June 22 to Sept. 30, 1972

# STREAMS TRIBUTARY TO LAKE MICHIGAN

04099610 Pretty Lake inlet near Stroh, Ind.

LOCATION.--Lat 41°34'49", long 85°14'59", in SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec.15, T.36 N., R.11 E., LaGrange County, on left bank 400 ft (122 m) upstream from mouth and 2.6 miles (4.2 km) west of Stroh.

DRAINAGE AREA.--1.96 mi<sup>2</sup> (5.08 km<sup>2</sup>).

GAGE.--Continuous-recording gaging station.

REMARKS.--Records fair.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1963	08-03-63	6.36 <sup>a</sup>	1
1964	03-26-64	6.55	1
1965	02-10-65	6.83	3
1966	12-25-65	8.12	21
1967	12-08-66	7.09	8
1968	12-21-67	7.04	7
1969	01-30-69	7.54	15
1970	05-14-70	7.40	13
1971	02-05-71	9.30	33
1972	09-14-72	7.01	6
1973	11-14-72	6.86	4
1974	03-94-74	7.73	17

a Maximum for period June 26 to Sept. 30, 1963



# STREAMS TRIBUTARY TO LAKE MICHIGAN

04099745 Truesdale Ditch near Shipshewana, Ind.

LOCATION.--Lat 41°43'36", long 85°35'38", in NE<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub> sec.27, T.38 N., R.8 E., LaGrange County, at culvert on State Highway 120, 0.6 mile (1.0 km) west of State Highway 5.

DRAINAGE AREA.--3.5 mi<sup>2</sup> (9.1 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	09-14-72	5.10 <sup>a</sup>	5
1973	11-14-72	5.25 <sup>b</sup>	6
1974	03-05-74	5.53	10

a Maximum for period June 22 to Sept. 30, 1972

b Estimated

# STREAMS TRIBUTARY TO LAKE MICHIGAN

04100165 Wible Lake inlet near Kendallville, Ind.

LOCATION.--Lat 41°29'15", long 85°16'13", in NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec.16, T.35 N., R.11 E., Noble County, at culvert on State Highway 3, 1.9 miles (3.1 km) north of U.S. Highway 6 in Kendallville.

DRAINAGE AREA.--2.0 mi<sup>2</sup> (5.2 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	09-14-72	7.70 <sup>a</sup>	29
1973	11-16-72	6.67	22
1974	03-09-74	6.40	20

a Estimated maximum for period June 22 to Sept. 30, 1972

# STREAMS TRIBUTARY TO LAKE MICHIGAN

04100252 Forker Creek near Burr Oak, Ind.

LOCATION.--Lat 41°19'58", long 85°25'25", in SE¼NE¼ sec.12, T.33 N., R.9 E., Noble County, on right bank 300 ft (91 m) downstream from bridge on State Highway 9, 400 ft (122 m) downstream from Miller Lake outlet, 0.8 mile (1.3 km) northwest of Burr Oak, and 4.5 miles (7.2 km) south of Albion.

DRAINAGE AREA.--19.2 mi<sup>2</sup> (49.7 km<sup>2</sup>).

GAGE.--Continuous-recording gaging station.

REMARKS.--Records fair.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height</u> <u>(ft)</u>	<u>Discharge</u> <u>(ft<sup>3</sup>/s)</u>
1969	07-03-69	2.55 <sup>a</sup>	66
1970	04-22-70	3.60	99
1971	02-21-71	3.78	110
1972	09-16-72	3.44	79
1973	06-07-73	4.47	134
1974	03-09-74	4.44	158

a Maximum for period May 22 to Sept. 30, 1969

# STREAMS TRIBUTARY TO LAKE MICHIGAN

04100700 Christophel Ditch tributary near Wakarusa, Ind.

LOCATION.--Lat 41°30'24", long 86°00'07", in NW¼NW¼NW¼ sec.7, T.35 N., R.5 E., Elkhart County, at culvert on State Highway 19, 0.1 mile (0.2 km) south of State Highway 119, 2.1 miles (3.4 km) south of Wakarusa.

DRAINAGE AREA.--2.5 mi<sup>2</sup> (6.5 km<sup>2</sup>), approximately.

GAGE.--Stage-rainfall continuous-recording gages and non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	09-14-72	7.96 <sup>a</sup>	50
1973	12-30-72	8.20	56
1974	03-07-74	7.96	50

a Maximum for period June 27 to Sept. 30, 1972

# STREAMS TRIBUTARY TO LAKE MICHIGAN

04100700 Christophel Ditch tributary near Wakarusa, Ind.--Continued

Incremental rainfall, stage, and discharge for the 1972 flood peak

<u>Date</u>	<u>Time</u>	<u>Accumulated rainfall (in)</u>	<u>Stage (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
12-29-72	2400	0.00	6.59	27
12-30-72	0100	.31	6.62	28
	0200	.31	6.65	28
	0300	.31	6.68	28
	0400	.36	6.75	29
	0500	.38	6.88	31
	0600	.39	6.94	32
	0700	.39	6.92	32
	0800	.39	6.88	31
	0900	.39	6.83	30
	1000	.43	6.81	30
	1100	.58	7.01	34
	1200	.71	7.32	38
	1300	.79	7.52	42
	1400	.99	7.84	48
	1500	1.09	8.03	52
	1600	1.12	8.15	54
	1700	1.14	8.18	55
	1800	1.24	8.19	56
	1900	1.28	8.16	54
	2000	1.34	8.15	54
	2100	1.36	8.09	53
	2200	1.37	7.98	51
	2300	1.39	7.84	48
	2400	1.40	7.67	45
12-31-72	0100	1.41	7.55	43

# MAUMEE RIVER BASIN

04179510 Cecil Metcalf Ditch near Auburn, Ind.

LOCATION.--Lat 41°21'55", long 85°01'07", in SW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub> sec.34, T.34 N., R.13 E., DeKalb County, at culvert on State Highway 8, 2.0 miles (3.2 km) east of State Highway 427 in Auburn.

DRAINAGE AREA.--0.81 mi<sup>2</sup> (2.10 km<sup>2</sup>).

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	09-14-72	7.88 <sup>a</sup>	120
1973	06-04-73	7.24	80
1974	03-05-74	8.34	150

a Maximum for period May 11 to Sept. 30, 1972



# MAUMEE RIVER BASIN

04183050 Schumacher Ditch near New Haven, Ind.

LOCATION.--Lat 41°03'30", long 84°58'31", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec.7, T.30 N., R.15 E., at culvert on State Highway 14, 0.5 mile (0.8 km) west of State Highway 101.

DRAINAGE AREA.--1.01 mi<sup>2</sup> (2.61 km<sup>2</sup>).

GAGE.--Stage-rainfall continuous-recording gages and non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	09-14-72	7.68 <sup>a</sup>	32
1973	03-18-73	7.07	26
1974	02-22-74	6.29	15

a Maximum for period May 12 to Sept. 30, 1972

## Incremental rainfall, stage, and discharge for the 1972 flood peak

<u>Date</u>	<u>Time</u>	<u>Accumulated rainfall (in)</u>	<u>Stage (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
09-13-72	1900	0.00	5.03	0
	2000	.01	5.03	0
	2100	.02	5.03	0
	2200	.79	5.03	2 <sup>a</sup>
	2300	1.87	6.15	13
	2400	2.11	6.87	24
09-14-72	0100	2.33	7.40	30
	0200	2.39	7.63	32
	0300	2.39	7.63	32
	0400	2.63	7.68	32
	0500	2.81	7.68	32
	0600	2.87	7.68	32
	0700	2.88	7.66	32
	0800	2.88	7.59	31
	0900	2.88	7.50	30
	1000	2.88	7.40	30
	1100	2.88	7.31	29
	1200	2.88	7.22	28

a Estimated from hydrograph



# MAUMEE RIVER BASIN

04191310 Flatrock Creek tributary near Monroeville, Ind.

LOCATION.--Lat 40°53'42", long 84°51'42", in NW¼SW¼SW¼ sec.8, T.28 N., R.15 E., Adams County, at culvert on State Highway 101, 1.8 miles (2.9 km) south of Adams-Allen County line.

DRAINAGE AREA.--0.91 mi<sup>2</sup> (2.36 km<sup>2</sup>).

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	07-18-72	6.49 <sup>a</sup>	20
1973	11-14-72	7.57	39
1974	04-03-74	8.08	60

a Maximum for period Apr. 27 to Sept. 30, 1972

# ILLINOIS RIVER BASIN

05515215 Potato Creek tributary near North Liberty, Ind.

LOCATION.--Lat 41°32'06", long 86°19'03", in NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec.32, T.36 N., R.2 E., St. Joseph County, at culvert on State Highway 4, 2.4 miles (3.9 km) west of U.S. Highway 31.

DRAINAGE AREA.--0.10 mi<sup>2</sup> (0.26 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	08-14-72	10.02 <sup>a</sup>	6
1973	12-30-72	9.77	4
1974	04-03-74	11.75	35

a Maximum for period June 8 to Sept. 30, 1972

# ILLINOIS RIVER BASIN

05515400 Kingsbury Creek near LaPorte, Ind.

LOCATION.--Lat 41°32'49", long 86°43'48", in SW¼SE¼ sec.23, T.36 N., R.3 W., LaPorte County, on left bank at upstream side of bridge on County Road 400 South, 0.5 mile (0.8 km) west of State Highway 39, 1.5 miles (2.4 km) east of U.S. Highway 35, and 3 miles (5 km) south of LaPorte city limits.

DRAINAGE AREA.--7.08 mi<sup>2</sup> (18.3 km<sup>2</sup>).

GAGE.--Continuous-recording gaging station.

REMARKS.--Records good.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1971	02-05-71	4.98	31
1972	09-14-72	5.04	33
1973	04-22-73	5.44	44
1974	04-03-74	4.69	25

# ILLINOIS RIVER BASIN

05516150 Walt Kimble Ditch near LaPaz, Ind.

LOCATION.--Lat 41°26'59", long 86°14'16", in SW¼SE¼SE¼ sec.25, T.35 N., R.2 E., Marshall County, at culvert on U.S. Highway 6, 3.8 miles (6.1 km) east of U.S. Highway 31.

DRAINAGE AREA.--2.0 mi<sup>2</sup> (5.2 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	08-16-72	7.85 <sup>a</sup>	92
1973	11-15-72	6.25	24
1974	06-14-74	7.11	59

a Maximum for period June 15 to Sept. 30, 1972

# ILLINOIS RIVER BASIN

05517400 West Arm Payne Ditch near North Judson, Ind.

LOCATION.--Lat 41°12'55", long 86°52'13", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec.16, T.32 N., R.4 W., Starke County, at bridge on State Highway 10, 1.3 miles (2.1 km) east of U.S. Highway 421.

DRAINAGE AREA.--3.0 mi<sup>2</sup> (7.8 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1973	01-01-73	5.31	29
1974	05-25-74	6.05	60

a Maximum for period June 14 to Sept. 30, 1972

# ILLINOIS RIVER BASIN

05517780 Sievers Creek tributary near Valparaiso, Ind.

LOCATION.--Lat 41°24'41", long 87°08'08", in NE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec.8, T.34 N., R.6 W., Porter County, at culvert on State Highway 2, 5.7 miles (9.2 km) southwest of Valparaiso.

DRAINAGE AREA.--0.50 mi<sup>2</sup> (1.30 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	09-14-72	5.20 <sup>a</sup>	7
1973	04-22-73	8.74	74
1974	05-22-74	5.86	18

a Maximum for period June 8 to Sept. 30, 1972

# ILLINOIS RIVER BASIN

05518600 Bryant Ditch near Dinwiddie, Ind.

LOCATION.--Lat 41°17'22", long 87°18'45", in SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec.23, T.33 N., R.8 W., Lake County, at bridge on State Highway 2, 0.6 mile (1.0 km) west of Interstate 65.

DRAINAGE AREA.--4.0 mi<sup>2</sup> (10.4 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gage.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	07-18-72	5.30 <sup>a</sup>	95
1973	04-22-73	6.90	270
1974	05-22-74	6.66	230

a Maximum for period June 13 to Sept. 30, 1972



# ILLINOIS RIVER BASIN

05524300 Yeoman Ditch tributary near Rensselaer, Ind.

LOCATION.--Lat 40°56'27", long 87°14'10", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec.21, T.29 N., R.7 W., Jasper County, at culvert on State Highway 114, 4.5 miles (7.2 km) west of U.S. Highway 231 in Rensselaer.

DRAINAGE AREA.--0.75 mi<sup>2</sup> (1.94 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	09-27-72	6.35	41
1973	04-03-73	6.59	51
1974	01-22-74	6.12	32

# ILLINOIS RIVER BASIN

05524650 Clark Ditch tributary near Morocco, Ind.

LOCATION.--Lat 40°54'16", long 87°26'04", in SW $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec.3, T.28 N., R.9 W., Newton County, at culvert on U.S. Highway 41, 2.5 miles (4.0 km) south of State Highway 114.

DRAINAGE AREA.--1.00 mi<sup>2</sup> (2.59 km<sup>2</sup>), approximately.

GAGE.--Non-recording crest-stage gages.

## Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	07-13-72	6.16 <sup>a</sup>	40
1973	04-22-73	6.23	42
1974	02-22-74	6.76	62

a Maximum for period June 9 to Sept. 30, 1972

ILLINOIS RIVER BASIN

05524700 Talley Ditch near Kentland, Ind.

LOCATION.--Lat 40°46'02", long 87°24'31", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec.23, T.27 N., R.9 W., Newton County, at culvert on U.S. Highway 24, 1.6 miles (2.6 km) east of U.S. Highways 41 and 52.

DRAINAGE AREA.--4.00 mi<sup>2</sup> (10.4 km<sup>2</sup>), approximately.

GAGE.--Stage-rainfall continuous-recording gages and non-recording crest-stage gages.

REMARKS.--Gage height records poor.

Annual maximum stage and discharge

<u>Water year</u>	<u>Date</u>	<u>Gage Height (ft)</u>	<u>Discharge (ft<sup>3</sup>/s)</u>
1972	09-14-72	6.84 <sup>a</sup>	195
1973	06-17-73	6.59	170
1974	06-22-74	7.46	260

a Maximum for period June 12 to Sept. 30, 1972

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