

The NOISE FORM E-5 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE	U.S. DEPARTMENT OF COMMERCE INDIANAPOLIS, INDIANA	HYDROLOGIC SERVICE AREA:
MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS		REPORT FOR: MONTH: January YEAR: 2004
TO: Hydrometeorological Information Center NOISE/Office of Hydrology, W/OH12x1 1325 East-West Highway, Room 7128 Silver Spring MD. 20910	SIGNATURE: (In Charge of Hydrologic Service Area) Date: March 12, 2007	

When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts and hydrologic products issued (WSOM E-41).

An X inside this box indicates that no flooding occurred within this hydrologic service area.

Extensive flooding and bitter cold weather highlighted the month of January for much of Indiana. Portions of southern Indiana saw the highest flood waters since May 1996. Bitter cold weather on the last day of January was the coldest in portions of central Indiana since January 1994.

Warm and wet weather from the end of December continued into the early part of January. Rain of 2 to more than 5 inches fell in much of Indiana from the 1st through the 5th. Much of this rain fell on the 4th. The greatest amount of rain extended from Bloomington area to the Brookville area.

Rivers were high and the ground was very wet prior to the onset of the rain on the 4th. Extensive aerial flooding occurred late on the 4th and continued through much of the 5th. Numerous local roads and several residential areas flooded. The worst hit counties in the Indianapolis CWA were Morgan, Johnson, Monroe, Brown, Bartholomew, Decatur, Jennings and Jackson. Schools in several areas were delayed or postponed because of high water on local roads.

A local dam in Bartholomew County was threatened by the rain on the 4th. This was the 3rd time since December 1990 that this dam has had problems. The other times were December 1990 and May 1996.

River flooding along the East Fork White and Muscatatuck rivers in Bartholomew, Jackson and northern Washington counties was the highest since May 1996. Some evacuations occurred as a result of the high water. The highest flooding since May 2002 occurred along the lower portions of the East Fork White, White and Wabash Rivers in southern Indiana and southeast Illinois.

Flooding along the Wabash and White Rivers in central Indiana was the highest since July or September 2003.

Extensive river flooding in southern Indiana closed numerous local river roads and several state roads. This flood was similar to the January 1990 flood because much below freezing temperatures from the 5th through the 10th caused extensive ice to form in flooded areas. In portions of Greene County, river ice was impossible to remove from county roads after flood waters receded. Above normal temperatures from the 11th through the 18th helped melt much of ice left behind by flood waters. Below freezing temperatures allowed flood waters to recede quickly in central Indiana. As a result, flooding ended in the entire HSA by 19th, about 2 weeks after the big rain.

Prior to January 19, Indiana had experienced a relatively mild winter with little snowfall. The weather pattern changed on the 19th and winter came to Indiana. On the 25th and 26th a winter storm dropped 2 to 5 inches of snow, sleet and ice on the Indianapolis HSA. Except for the northern portion of the HSA, icing was a problem. Many schools were delayed or closed as a result of the wintry conditions.

On the 27th another snow storm dropped 1 to 4 inches of snow in much of the HSA. This snow was light and because of the ice coating from the storm on the 26th drifted very easily with the 30 mph or higher gusts. Near white out conditions occurred the evening of the 27th in portions of central Indiana. This caused numerous traffic accidents and delayed or closed schools.

On the 29th another snow storm dropped 1 to 4 inches in much of the HSA. The heavier amounts fell in portions of southern Indiana. This snow was fluffy because of the cold temperatures.

By the 30th, much of the HSA was covered with 4 to more than 8 inches of snow. The coldest air of the season arrived on the 30th as temperatures plunged below 10 degrees. Because of clear skies, calm wind and a fresh, deep snow cover in portions of western and south central Indiana, temperatures plummeted lower than 20 below zero in the Bloomington and Crawfordsville areas. This was the lowest temperatures in Indiana since January 19, 1994.

Many locations reported minimum temperatures between 10 and 20 degrees below zero. Indianapolis set a record low temperature for the 31st with 11 degrees below zero. This was the coldest temperature at Indianapolis since January 1997.

Rainfall and snowfall amounts were above normal across most of the HSA. Melted precipitation totals ranged from 2 to more than

7 inches while monthly snowfall totals varied from 2 to more than 11 inches. Most of the rainfall occurred during the first 4 days of the month, while much of snowfall occurred from the 25th through the 29th. Rain of 1 inch or more fell on at least 1 day in the HSA. Measurable precipitation fell on 9 to 11 days during the month.

Monthly temperatures averaged from 1 to 2 degrees below normal as a result of the very cold temperatures at the end of the month. The warmest day during January was on the 3rd when temperatures reached into the upper 50s and lower 60s. The coldest temperatures occurred on the 31st as temperatures dropped below zero with a few areas recording lower than 20 below zero.

During the month, temperatures fell below 33 degrees on 27 to 29 and below zero on 2 to 4 days. Temperatures remained below 33 degrees on 14 to 16 days. The temperature remained below freezing in many areas from the 25th through the 31st. The high temperature on the 30th was only in the single digits in most of the HSA.

At the end of January, snow covered the state of Indiana and rivers were at normal levels. Soils were very wet and frozen before the snow cover on the 25th. Snow depths ranged from a few inches to more than 6 inches in the Indianapolis HSA.

2/11/04

FLOOD STAGE REPORT

January 2004

STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD TIME	STAGE TO	CREST STAGE	CREST DATE	CREST TIME
BIG BLUE RIVER.....							
CARTHAGE IN.	7.0				10.32	1/05	0600
SHELBYVILLE IN.	11.0				15.82	1/06	0200
BIG RACCOON CREEK.....							
FINCASTLE 3 W IN.	11.0				12.10	1/05	0200
COXVILLE IN.	14.0				14.21	1/05	0001
BIG WALNUT CREEK.....							
Roachdale 3.5 SE IN.					13.40	1/05	0130
REELSVILLE IN.	12.0				14.76	1/05	0300
BLUE RIVER.....							
FREDERICKSBURG IN.	20.0				19.16	1/05	0900
BRUSH CREEK.....							
NEBRASKA .					7.71	1/04	2115
NEBRASKA .					7.80	1/04	1045
BUCK CREEK.....							
NEW MIDDLETOWN 3.6 SW IN.	12.0				6.68	1/05	0045
ACTON IN.	9.0				11.60	1/05	0400
Bonpas Creek.....							
Browns IL.					12.10	1/05	0001
Browns IL.					13.26	1/06	2330
Browns IL.					5.94	1/10	0600
Browns IL.					8.63	1/13	2345
CLIFTY CREEK.....							
HARTSVILLE IN.	10.0				12.32	1/04	2200
DEER CREEK.....							
DELPHI 2.6 NE IN.					8.40	1/05	1600
EAGLE CREEK.....							
ZIONSVILLE IN.	9.0				9.58	1/04	2330
SPEEDWAY IN.	9.0				8.57	1/04	1815
EAST FORK WHITE R.....							
COLUMBUS IN.	9.0	1/04	1900	1/07	13.79	1/06	0130
SEYMOUR 2 N IN.	12.0	1/02	2030	1/09	19.02	1/05	1900
BEDFORD 8SE IN.	20.0	1/04	2345	1/13	32.76	1/08	0400
BEDFORD 4 SW IN.	20.0	1/05	0700	1/12	29.20	1/08	1400
WILLIAMS IN.	8.0	1/05	0300	1/13	16.60	1/09	1800
SHOALS HIWAY 50 BRID IN.	20.0	1/05	2300	1/13	27.84	1/10	0900
EAST FORK WHITEWATER.....							

ABINGTON IN.

12.0

14.34 1/05 0001

2/11/04

FLOOD STAGE REPORT

January 2004

STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD TIME	STAGE TO	CREST STAGE	CREST DATE	CREST TIME
EEL RIVER.....							
BOWLING GREEN IN.	17.0	1/04	1800	1/06	19.87	1/05	1000
EEL RIVER...NORTH.....							
NORTH MANCHESTER IN.	7.0				8.33	12/24	0330
NORTH MANCHESTER IN.	7.0				7.35	1/05	0400
ADAMSBORO IN.	10.0				6.97	1/05	1300
EMBARRAS RIVER.....							
Carmargo 2 SW IL.	12.0				13.26	1/05	1130
STE MARIE IL.	19.0				20.82	1/06	2115
LAWRENCEVILLE IL.	29.0				35.22	1/09	1411
FALL CREEK.....							
FORTVILLE 2 NW IN.	8.0				8.12	1/05	2000
MILLERSVILLE IN.	9.0				10.34	1/06	0200
FLATROCK RIVER.....							
ST. PAUL IN.	6.0				10.62	1/05	0200
LEARY-WEBER DITCH.....							
Mohawk IN.					6.26	1/04	1930
LITTLE BUCK CREEK.....							
INDIANAPOLIS IN.					7.95	1/04	2000
LITTLE EAGLE CREEK.....							
SPEEDWAY IN.					5.59	1/04	1830
LITTLE RIVER.....							
HUNTINGTON 5 W IN.	15.0				12.70	1/05	0200
M.F. Vermilion River.....							
Oakwood 2 NE IL.					7.23	1/05	0030
MIDDLE FORK ANDERSON.....							
BRISTOW IN.	15.0				12.85	1/05	0001
MILL CREEK.....							
CATARACT 3 E IN.	15.0				17.27	1/05	1700
MANHATTAN 5 S IN.	12.0				12.65	1/05	0200
MISSISSINEWA RIVER.....							
RIDGEVILLE 2 E IN.	11.0				14.01	1/05	0001
MARION 2 N IN.	10.0				11.21	1/05	0500
MUSCATATUCK RIVER.....							
Deputy 1WNW IN.	15.0				25.85	1/05	0300

VERNON 1SW 1 SW IN.	17.0	17.97	1/04 1700
VERNON 1SW 1 SW IN.	17.0	17.57	1/05 0400
WHEELER HOLLOW IN.	16.0	24.45	1/07 0100

2/11/04 FLOOD STAGE REPORT

January 2004

STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD TIME	STAGE TO	CREST STAGE	CREST DATE	CREST TIME
N. F. EMBARRAS RIVER..... OBLONG 2 W IL.					19.84	1/05	2115
N.F. Vermilion River..... Bismarck 2 W IL.					11.57	1/05	1145
PIPE CREEK..... FRANKTON PIPE CREEK IN.	12.0				10.93	1/05	0530
FRANKTON PIPE CREEK IN.	12.0				9.43	12/24	0130
Patoka River..... JASPER IN.	14.0				14.55	1/16	1000
Winslow IN.					22.77	1/09	0600
PRINCETON 2 MI NE IN.	18.0				16.29	1/13	0300
SALAMONIE RIVER..... WARREN 2.4 NW IN.	12.0				12.79	1/05	1000
SALT CREEK..... HARRODSBURG 2 SE IN.	25.0				26.21	1/05	0200
HARRODSBURG 2 SE IN.	25.0				15.17	1/07	1200
HARRODSBURG 2 SE IN.	25.0				17.37	1/09	0200
SILVER CREEK..... SELLERSBURG 2.4 SE IN.	20.0				19.94	1/05	0800
SOUTH FORK PATOKA R..... SPURGEON IN.	11.5				9.71	1/02	0800
SPURGEON IN.	11.5				8.15	1/04	2245
SUGAR CREEK..... CRAWFORDSVILLE IN.	8.0	1/04	2300	1/05	8.30	1/05	0600
SUGAR CREEK...SOUTH..... NEW PALESTINE IN.	8.0				9.38	1/05	0230
EDINBURGH 2 NW IN.	10.0				14.17	1/05	2130
Stony Creek..... Noblesville 1SE .	6.0				6.18	1/04	2330
TIPPECANOE RIVER..... ORA 1 SW IN.	11.0				10.44	12/31	1000
WINAMAC IN.	10.0				8.10	1/01	0001
MONTICELLO IN.	9.0				6.00	1/05	1200
DELPHI 6 W IN.	8.0				7.20	12/30	0400
DELPHI 6 W IN.	8.0				6.42	1/05	1700
VERMILION RIVER.....							

DANVILLE 2 SE IL.

18.0

16.04 1/05 0715

NWS FORM E-3 U.S. DEPARTMENT OF COMMERCE
NOAA, NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA
INDIANAPOLIS, INDIANA

2/11/04 FLOOD STAGE REPORT

January 2004

STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD TIME	STAGE TO	CREST STAGE	CREST DATE	CREST TIME
WABASH RIVER.....							
LINN GROVE IN.	11.0				12.22	1/06	0500
BLUFFTON IN.	10.0				13.13	1/06	1100
PERU IN.	20.0				11.37	1/05	0001
LOGANSPO RT CICOTT ST IN.	17.0				10.06	1/05	0400
LAFAYETTE IN.	11.0	12/24	1030	12/28	13.91	12/25	1600
LAFAYETTE IN.	11.0	12/29	1700	1/01	13.52	12/30	1200
LAFAYETTE IN.	11.0	1/04	1730	1/11	17.91	1/06	0300
COVINGTON IN.	16.0	12/25	0500	12/29	17.79	12/26	2300
COVINGTON IN.	16.0	12/29	1600	1/02	18.23	12/31	1800
COVINGTON IN.	16.0	1/04	1600	1/12	22.03	1/07	0900
MONTEZUMA IN.	14.0	12/24	0200	1/14	23.25	1/06	0900
CLINTON IN.	18.0				23.00	1/06	1700
TERRE HAUTE WTR CORP IN.	14.0	12/24	1700	1/14	20.40	1/06	1400
HUTSONVILLE IL.	16.0	12/24	2000	1/17	22.30	1/09	0001
RIVERTON IN.	15.0	12/25	1100	1/17	20.17	1/10	0300
VINCENNES IN.	17.5	1/04	1200	1/16	21.22	1/10	1700
VINCENNES 1 W IN.	16.0	1/04	0800	1/16	20.00	1/10	0800
MOUNT CARMEL IL.	19.0	1/05	0500	1/18	28.14	1/12	2300
NEW HARMONY IN.	15.0				19.56	1/14	0200
WEST FORK BLUE RIVER.....							
Salem IN.	12.0				8.19	1/04	2215
WHITE LICK CREEK.....							
MOORESVILLE IN.	17.0				19.48	1/04	2300
WHITE RIVER.....							
MUNCIE IN.	9.0	1/05	0230	1/06	10.86	1/05	1700
ANDERSON WATERWORKS IN.	10.0	1/04	2300	1/06	13.57	1/06	0100
ANDERSON SEWAGE PLAN IN.	10.0				13.02	1/06	0100
NOBLESVILLE IN.	14.0	1/04	0030	1/07	17.03	1/06	0900
NORA IN.	11.0	1/05	0230	1/07	13.38	1/06	1500
RAVENSWOOD IN.	6.0	1/04	1800	1/08	7.90	1/06	1300
BROAD RIPPLE DAM IN.	6.0				7.14	1/06	2200
Rocky Ripple IN.	7.0				8.80	1/06	1730
INDIANAPOLIS MORRIS IN.	16.0				13.22	1/06	1245
STOUT GENERATING STA IN.	10.0				9.54	1/05	1500
CENTERTON 1 S IN.	12.0	1/04	1430	1/08	15.95	1/05	0800
CENTERTON IN.	603.0	1/04	1800	1/08	607.20	1/05	0830
SPENCER IN.	14.0	12/24	1730	12/27	15.78	12/26	1000
SPENCER IN.	14.0	1/04	1000	1/10	22.22	1/06	1000
WORTHINGTON IN.	18.0				20.39	12/26	0800
WORTHINGTON IN.	18.0				25.72	1/07	0800
ELLISTON IN.	18.0	12/24	1800	12/28	21.28	12/26	0800
ELLISTON IN.	18.0	1/03	2300	1/11	27.27	1/07	1300
NEWBERRY IN.	13.0	12/25	1000	12/28	14.84	12/26	2300
NEWBERRY IN.	13.0	1/04	0100	1/11	22.80	1/08	0300

EDWARDSPORT IN.

15.0 1/26 0300 12/30 17.30 12/28 0700

2/11/04 FLOOD STAGE REPORT

January 2004

STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD TIME	STAGE TO	CREST STAGE	CREST DATE	CREST TIME
WHITE RIVER (Continued).....							
EDWARDSPORT IN.	15.0	1/04	0600	1/13	23.50	1/09	0700
PETERSBURG 3 NE IN.	16.0				25.66	1/11	0300
PETERSBURG IN.	16.0	1/04	1200	1/16	25.11	1/11	0900
HAZLETON IN.	16.0	1/04	0700	1/17	25.90	1/12	1900
WHITEWATER RIVER.....							
ECONOMY 2 NW IN.					7.72	1/04	1730
ALPINE 2 NE IN.	14.0				18.64	1/04	2100
BROOKVILLE IN.	20.0				20.67	1/05	0500
WILDCAT CREEK.....							
JEROME 1 SE IN.					11.21	1/05	0445
KOKOMO IN.	10.0				12.02	1/05	1415
LAFAYETTE 4 NE IN.	10.0				15.27	1/05	0600
Whiskey Run.....							
Marengo IN.	8.0				4.64	1/04	2115
YOUNGS CREEK.....							
AMITY IN.	7.0				10.84	1/05	0330

It is necessary to E-mail the following people:

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The NOISE FORM E-5 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE	U.S. DEPARTMENT OF COMMERCE INDIANAPOLIS, INDIANA	HYDROLOGIC SERVICE AREA:
REPORT FOR: MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS		MONTH: February YEAR: 2004
TO: Hydrometeorological Information Center NOISE/Office of Hydrology, W/OH12x1 1325 East-West Highway, Room 7128 Silver Spring MD. 20910	SIGNATURE: (In Charge of Hydrologic Service Area) Date: March 12, 2007	

When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts and hydrologic products issued (WSOM E-41).



An **X** inside this box indicates that no flooding occurred within this hydrologic service area.

February was a dry month for the Indianapolis HSA. Melted precipitation and snowfall was much below normal for the entire area. Many areas measured less than an inch of liquid rainfall. For the Indianapolis area, it was the driest February since 1978 and 9th driest since weather records began.

The snow and ice that accumulated during the last week of January slowly began to melt in early February. The combination of around 1/2 inch of rain in southern Indiana on the 5th and snow melt caused lowland flooding along portions of the Muscatatuck River in southern Jackson County from the 8th to the 11th. The East Fork White and White Rivers rose but remained below 3/4 bankfull as a result of this rain and snow melt.

Although ice and snow melted gradually in central and northern areas during the first half of February, temperatures in the upper 40s and lower 50s on the 19th and 20th caused rises in central and northern areas of the HSA. Near bankfull rises were noted along the Wabash River, while only modest rises occurred along the White River.

Black ice problems developed in portions of the Indianapolis Metropolitan areas because of the gradual snow melt. Water from melting snow would pond on roadways and freeze at night. Several accidents occurred as a result of this black ice on the 12th and 13th.

What little precipitation occurred during February fell mostly during the first week of February. After the 7th, much of the HSA did not receive any measurable snow for the remainder of February. Much of the southern portion of the HSA had no measurable snow for the month. For the month melted precipitation ranged from a quarter inch to 1 1/2 inches.

Monthly snowfall ranged from a trace to 3 inches. Measurable precipitation fell on only 3 to 6 days during the month.

Temperatures were on the cold side through the 17th as daily temperature generally averaged below normal. After the 18th, daily temperatures were above normal with temperatures in the upper 50s and low 60s on the last two days of February. Overall monthly temperatures averaged near normal for the month.

The warmest day during February was the 29th when temperatures reached into the upper 50s and lower 60s. The coldest temperatures were in the single digits and teens as temperatures recovered from the below zero weather at the end of January. During the month, temperatures fell below 33 degrees on 24 to 26. Temperatures remained below 33 degrees on 3 to 9 days.

At the end of February, the ground had thawed out and was drying out in the HSA. Stream levels were at near normal levels in much of the HSA, with some areas below normal in southern areas. There was no snow left in the Indianapolis HSA.

Addendum to January 2004 report.

There were 2 deaths attributed to the river flooding in early January. One death occurred along the Muscatatuck River in southern Jackson County and the other along the East Fork White River in central Lawrence County. Both deaths resulted from driving vehicles into a flooded roadway.

NWS FORM E-3 U.S. DEPARTMENT OF COMMERCE
NOAA, NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA
INDIANAPOLIS, INDIANA

3/4/04 FLOOD STAGE REPORT

February 2004

STREAM AND LOCATION	FLOOD STAGE	ABOVE FROM	FLOOD TIME	STAGE TO	CREST STAGE	CREST DATE	CREST TIME
MUSCATATUCK RIVER..... WHEELER HOLLOW IN.	16.0				17.6	2/09	0800

It is necessary to E-mail the following people:

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The NOISE FORM E-5	U.S. DEPARTMENT OF COMMERCE	HYDROLOGIC SERVICE AREA:
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	INDIANAPOLIS, INDIANA	
NATIONAL WEATHER SERVICE	REPORT FOR:	
MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS	MONTH: March	YEAR: 2004
	SIGNATURE:	
TO: Hydrometeorological Information Center NOISE/Office of Hydrology, W/OH12x1 1325 East-West Highway, Room 7128 Silver Spring MD. 20910	(In Charge of Hydrologic Service Area)	
	Date: March 12, 2007	

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March 2004 was a typical March where weather was very changeable. March weather seemed to have it all, wind, frequent rains, snow, hail and some lowland flooding. Overall, March was slightly, warmer and wetter than normal for much of the Indianapolis HSA.

After a very dry February, March started warm, wet and windy. Much of the HSA received 1 to nearly 3 inches of rain during the first 5 days of March. Heaviest rain was in the northwestern and north central portions of the HSA. As a result, the Wabash River from Lafayette to Vincennes experienced lowland flooding.

As rainfall was ending on the 5th, winds gusted to over 50 mph in much of central Indiana when cooler air moved into the area. A relatively dry and cool period prevailed from the 6th through the 19th. The coldest temperatures of the month occurred on the 12th or 13th as the temperature dropped into the upper teens and lower 20s.

Temperatures warmed into upper 40s and middle 50s on the 14th and 15th ahead of a storm system. Because the air was very dry, evaporation cooling early on the 16th allowed 1 to more than 4 inches of snow to fall in much of the Indianapolis HSA. This was the latest and most snow for March in central Indiana since 1996. The snow quickly melted by the 17th.

A brief warmup on the 20th saw temperatures reach well into the 60s. Cooler weather returned for the 21st and 22nd, before March finished with temperatures well above normal.

Rain of 1 to nearly 5 inches fell in much the Indianapolis HSA and in portions of east central Illinois on the 26th. The heaviest rain fell in Vermilion County Illinois and Warren, Fountain and Tippecanoe Counties in Indiana. Once again lowland

flooding occurred along portions of the Wabash River from just south of Lafayette to Vincennes.

After the rains on the 26th, warmer and drier air prevailed on the 27th and 28th. On the 28th, the temperature reached 80 degrees in the Indianapolis area. The last time Indianapolis experienced 80 degree weather in March was in 1998. Temperatures on the 28th were the warmest for March and the first 80 degree weather since September 24 at Indianapolis.

An upper disturbance on the 30th and 31st brought another one quarter to an isolated 3 inches of rain to central and southern Indiana. This rain prolonged the high water levels in the streams and rivers of the Indianapolis HSA. This upper air disturbance produced convective showers with pea size hail falling in several central Indiana areas.

The warmest day during March was the 28th when temperatures reached into the upper 70s and lower 80s. The coldest temperatures were in upper teens and lower 20s on the 12th or 13th. During the month, temperatures fell below 33 degrees on 10 to 15 days. Monthly temperatures averaged 2 to nearly 4 degrees above normal as a result of the warm weather the last week of March.

Monthly melted precipitation ranged from 1 1/2 inches to nearly 6 inches. The drier areas were both north and south of the Indianapolis HSA. Rain of an inch or more fell on 1 to 2 days in portions of the HSA. Monthly snowfall ranged from a trace in southern portions of the HSA to over 4 inches in central areas.

At the end of March, lowland flooding continued along portions of the Wabash River. Most streams flowed at above normal levels for the season. The ground was wet in most areas and the vegetation slightly advanced for the season.

NWS FORM E-3 U.S. DEPARTMENT OF COMMERCE
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HYDROLOGIC
 INDIANAPOLIS,

4/13/04 FLOOD STAGE REPORT March-Early
 April 2004

CREST DATE	CREST TIME	STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD STAGE TO	CREST STAGE
3/05	0300	BIG RACCOON CREEK..... FINCASTLE 3 W IN.	11.0			7.08
3/05	0300	COXVILLE IN.	14.0			10.11
3/27	0800	BIG WALNUT CREEK..... REELSVILLE IN.	12.0			8.50
3/04	1200	BLUE RIVER..... FREDERICKSBURG IN.	20.0			10.23
3/04	0415	BUCK CREEK..... NEW MIDDLETOWN 3.6 SW IN.	12.0			6.46
3/04	0915	Bonpas Creek..... Browns IL.				12.42
3/29	1100	Browns IL.				10.80
3/05	1545	DEER CREEK..... DELPHI 2.6 NE IN.				5.84
3/27	1100	EEL RIVER..... BOWLING GREEN IN.	17.0			12.11
		EEL RIVER...NORTH.....				

	NORTH MANCHESTER IN.	7.0	8.59
3/05	1500		
	ADAMSBORO IN.	10.0	7.42
3/05	2000		
	EMBARRAS RIVER.....		
	Carmargo 2 SW IL.	12.0	12.88
3/27	1345		
	STE MARIE IL.	19.0	15.47
3/06	1415		
	STE MARIE IL.	19.0	16.57
3/27	1900		
	LAWRENCEVILLE IL.	29.0	29.78
3/08	0751		
	LAWRENCEVILLE IL.	29.0	29.93
3/29	2036		
	LAWRENCEVILLE IL.	29.0	29.76
4/02	2316		
	LITTLE RIVER.....		
	HUNTINGTON 5 W IN.	15.0	11.48
3/05	1200		
	M.F. Vermilion River.....		
	Oakwood 2 NE IL.		9.39
3/27	1045		
	MILL CREEK.....		
	CATARACT 3 E IN.	15.0	10.98
3/27	0900		
	MISSISSINEWA RIVER.....		
	RIDGEVILLE 2 E IN.	11.0	9.69
3/05	0100		
	RIDGEVILLE 2 E IN.	11.0	8.62
3/31	0500		
	MARION 2 N IN.	10.0	7.05
3/05	1100		
	N. F. EMBARRAS RIVER.....		
	OBLONG 2 W IL.		15.42
3/06	0715		
	OBLONG 2 W IL.		16.06
3/27	2100		

NWS FORM E-3 U.S. DEPARTMENT OF COMMERCE
 SERVICE AREA
 INDIANA
 NOAA, NATIONAL WEATHER SERVICE

HYDROLOGIC
 INDIANAPOLIS,

4/13/04 FLOOD STAGE REPORT
 April 2004

March-Early

CREST DATE	CREST TIME	STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD STAGE TIME	TO	CREST STAGE
3/26	2045	N.F. Vermilion River..... Bismarck 2 W IL.					11.54
3/05	1200	SALAMONIE RIVER..... WARREN 2.4 NW IN.	12.0				10.41
3/04	1100	SILVER CREEK..... SELLERSBURG 2.4 SE IN.	20.0				12.89
3/04	0130	SOUTH FORK PATOKA R..... SPURGEON IN.	11.5				7.84
3/05	1100	SUGAR CREEK..... CRAWFORDSVILLE IN.	8.0				4.51
3/05	2000	TIPPECANOE RIVER..... DELPHI 6 W IN.	8.0				6.73
3/05	1900	VERMILION RIVER..... DANVILLE 2 SE IL.	18.0				11.40
3/27	0730	DANVILLE 2 SE IL.	18.0				18.72
		WABASH RIVER.....					

	LINN GROVE IN.	11.0			8.91
3/06	1800				
	BLUFFTON IN.	10.0			9.33
3/05	0900				
	PERU IN.	20.0			10.42
3/06	2100				
	PERU IN.	20.0			8.64
4/01	2000				
	LOGANSPORT CICOTT ST IN.	17.0			7.07
3/31	2300				
	LAFAYETTE IN.	11.0	3/05 0330	3/09	15.39
3/06	1500				
	LAFAYETTE IN.	11.0			10.52
4/01	0500				
	COVINGTON IN.	16.0	3/05 0630	3/10	19.33
3/07	1700				
	COVINGTON IN.	16.0			15.87
4/01	2200				
	MONTEZUMA IN.	14.0	3/04 2230	3/11	18.35
3/07	1800				
	MONTEZUMA IN.	14.0	3/27 0530	4/04	17.98
3/28	1300				
	TERRE HAUTE WTR CORP IN.	14.0	3/05 1130	3/11	16.34
3/08	1800				
	HUTSONVILLE IL.	16.0	3/05 1200	3/13	18.70
3/09	1900				
	HUTSONVILLE IL.	16.0	3/28 1000	4/06	18.70
4/02	0800				
	RIVERTON IN.	15.0	3/05 1930	3/13	17.25
3/11	0400				
	RIVERTON IN.	15.0	3/28 2030	4/06	17.21
4/02	2100				
	VINCENNES IN.	17.5			15.82
3/11	1900				
	VINCENNES IN.	17.5			16.37
4/03	1900				
	VINCENNES 1 W IN.	16.0			14.70
3/09	0800				
	VINCENNES 1 W IN.	16.0			15.20
4/03	0700				
	MOUNT CARMEL IL.	19.0			16.58
3/09	1200				
	MOUNT CARMEL IL.	19.0			16.04
4/05	0900				
	NEW HARMONY IN.	15.0			12.96
3/10	0001				

NEW HARMONY IN.
4/05 1100

15.0

12.44

NWS FORM E-3 U.S. DEPARTMENT OF COMMERCE
 SERVICE AREA
 INDIANA
 NOAA, NATIONAL WEATHER SERVICE

HYDROLOGIC
 INDIANAPOLIS,

4/13/04 FLOOD STAGE REPORT
 April 2004

March-Early

CREST DATE	CREST TIME	STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD STAGE TO	CREST STAGE

WHITE RIVER.....						
4/01	2200	SPENCER IN.	14.0			12.35
4/02	0800	WORTHINGTON IN.	18.0			17.09
3/29	0800	ELLISTON IN.	18.0			16.80
3/29	0100	NEWBERRY IN.	13.0			11.19
4/03	0700	EDWARDSPORT IN.	15.0			14.60
3/04	1800	PETERSBURG 3 NE IN.	16.0			12.18
4/04	1900	PETERSBURG IN.	16.0			12.49
WILDCAT CREEK.....						
3/05	0945	JEROME 1 SE IN.				7.52
3/27	0500	JEROME 1 SE IN.				7.76
3/05	2115	KOKOMO IN.	10.0			7.67
3/27	1530	KOKOMO IN.	10.0			7.73
3/05	1800	LAFAYETTE 4 NE IN.	10.0			8.74
3/28	1500	LAFAYETTE 4 NE IN.	10.0			7.49

It is necessary to E-mail the following people:

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MONTHLY REPORT OF RIVER AND
FLOOD CONDITIONS

MONTH: April YEAR: 2004

TO: Hydrometeorological Information Center
NOISE/Office of Hydrology, W/OH12x1
1325 East-West Highway, Room 7128
Silver Spring MD. 20910

SIGNATURE:

(In Charge of Hydrologic Service Area)

Date: March 12, 2007

When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts and hydrologic products issued (WSOM E-41).



An **X** inside this box indicates that no flooding occurred within this hydrologic service area.

April 2004 was a dry, windy and relatively warm month for most of the Indianapolis HSA. The first tornadoes of the season occurred in central Indiana with at least 6 on the 20th. The dry weather gave the agricultural community an early start as corn planting at the end of April was 4 days ahead of the previous record.

After a wet end of March, April began dry and remained dry in much of the HSA through 19th. During this period Indianapolis received only 0.10 inch of rain. This was the driest start of April through the 19th of record at Indianapolis.

An unsettled period from the 20th through the 25th provided the Indianapolis HSA with most of its monthly rainfall. Rain of ½ to 1 ½ inches fell in much of the HSA. The heaviest rain fell in southeast Indiana.

On the 20th, Indianapolis had its first thunderstorm since October 25. Early that evening at least 6 tornadoes touched down in western and central Indiana in the Jamestown, Frankfort, Kokomo and Elwood areas. Wind speeds of the strongest tornado may have exceeded 110 mph. The most significant damage occurred in the Jamestown and Kokomo areas. Two homes in the Jamestown area were destroyed and significant damage occurred to at least 10 other homes. Damage in the Jamestown area was in excess of 1 million dollars.

Dry and windy weather returned again after the 25th and remained until the 30th. Significant rain fell once again in the southeast Indiana as the heaviest rain of ½ to slightly over an inch fell in southern Indiana from the Ohio River to about 50 miles north of the Ohio River.

Although much of the Indianapolis HSA did not receive snow during April, portions of southern Indiana received 1 to nearly 2 inches of snow on the 13th. Snow also fell in portions of Kentucky. The last time snow fell later in April in southeast Indiana was April 2001.

April was a very windy month. At Indianapolis, the wind gusted to over 40 mph on the 3rd, 18th and 19th. Every day during April had a wind gust over 13 mph and 26 days had a gust over 20 mph. Only 7 days had an average speed of less than 10 mph.

Monthly rainfall ranged from around ½ of an inch in northern portions of the HSA to slightly over 4 inches in the southeast portion of the HSA. Much of the HSA received 1 ½ to 2 ½ inches during April. For Indianapolis, April tied for the 8th driest of record and was the driest since 1976.

Rain fell on 6 days in northern and central portions of the HSA to 12 days in southeast portions of the HSA. Only areas in south central and southeast Indiana had 1 day when an inch or more of rain fell.

Monthly temperatures ranged from near normal in southeast portions of the HSA to 3 degrees above normal in central and northern portions of the HSA. The warmest temperature of April occurred on the 18th when the temperature reached into the middle 80s across the HSA. The lowest temperature occurred on the 5th when the temperature dropped into the 20s across the HSA. The temperature fell below 33 degrees on 1 day in southern parts of Indiana to 6 days in northern Indiana.

At the end of April, much of the HSA was dry to very dry and in need of rain. Stream levels were very low for the time of year.

It is necessary to E-mail the following people:

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REPORT FOR:

MONTHLY REPORT OF RIVER AND
FLOOD CONDITIONS

MONTH: May YEAR: 2004

TO: Hydrometeorological Information Center
NOISE/Office of Hydrology, W/OH12x1
1325 East-West Highway, Room 7128
Silver Spring MD. 20910

SIGNATURE:

(In Charge of Hydrologic Service Area)

Date: March 12, 2007

When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts and hydrologic products issued (WSOM E-41).



An **X** inside this box indicates that no flooding occurred within this hydrologic service area.

May 2004 was a very wet, stormy and warm month for the Indianapolis HSA. The May 30th tornado outbreak had the 3rd largest number of tornadoes for the state. Lowland flooding quickly returned to much of central and southern Indiana following heavy rains on the 27th and 30th.

After a very dry April, welcome rain of ½ to an inch fell in much of the HSA on the 1st and 2nd. Temperatures remained below normal through the 4th. A warm period began on the 5th and continued almost uninterrupted for the remainder of May.

Little rain fell from the 3rd through the 12th. Once again a needed rain of 1 to 2 inches fell in much of the HSA on the 13th and 14th. This was the beginning of a wet and stormy period that would continue through the remainder of the month.

Another 1 to 2 inches of rain fell in many areas of the HSA from the 17th through the 19th. The East Fork White River in Jackson County approached bankfull levels as a result. The continued warm weather and ample rain accelerated crop and vegetation development.

Beginning the week of the 23rd nearly daily storms precede the May 30th outbreak. After receiving 2 to 4 inches on the 25th and 26th, a very wet southern Indiana received another 2 to 4 inches of rain from severe storms during the evening of the 27th. Flash flooding occurred in several areas of southern Indiana as a result.

The worst flooding occurred just south of the Indianapolis HSA. Near record to record flooding occurred in Salem and Fredericksburg in Washington County. While this rain did not impact the Indianapolis HSA, the severe flooding along the Lost

River in Washington, Orange and Martin Counties helped cause extensive lowland flooding along the lower portion of the White River.

Along with the flash flooding, hail the size of golf balls fell in Bloomfield area in Greene County. This hail damaged vehicles, windows and crops. Although not as severe as in the town of Salem, flash flooding occurred in portions of Knox, Daviess, Greene, Lawrence and Jackson counties.

The respite from the severe storms and flash flooding in southern Indiana was only 2 days before the tornado outbreak on the 30th. Storms began during the morning in Illinois and started to break out in central Indiana by late morning. At least 11 tornadoes occurred in the Indianapolis HSA during the afternoon and evening, with another 6 outside the HSA.

One person was killed in the small town of Marengo located in Crawford County in southern Indiana. More than one half of the town of Marengo was damaged. Significant damage occurred in the Indianapolis area and Dayton near Lafayette. Several persons were injured. Storm damage exceeded 20 million dollars for the state.

The afternoon severe weather changed to heavy rain just after sunset. Portions of central Indiana received up to 4 inches of rain for the day. The heaviest rain fell in the Terre Haute and Indianapolis areas. Flash flooding was brief and not nearly as extensive as Labor Day 2003.

Lowland flooding expanded as a result of the rain on the 30th. Lowland flooding occurred along much of the Wabash River and the White River southwest of Indianapolis. The rain on the 30th did not heighten the flood waters in most of southern Indiana, but did prolong the flooding by another 5 to 7 days. Agricultural flood damage resulted because many fields had been planted during the dry April.

After one of the drier April 1 through May 12 periods in Indiana, excessive rain of 4 to more than 8 inches fell from May 13 to May 30. Monthly rainfall ranged from 3 1/2 inches in western portions of the HSA to 10 inches in southern portions of the HSA. Much of the HSA received 5 to 7 inches during May. For Indianapolis, May was 7th wettest of record and was the wettest since 1996.

Rain fell on 15 to 17 days in the HSA. All areas of the HSA had at least 2 days with an inch or more of rain. Several areas in southern Indiana had 4 days when an inch or more of rain.

Monthly temperatures ranged 3 ½ to 4 ½ degrees above normal. The warmest temperature of May generally occurred from the 20th to the 22th. Temperatures reached into the upper 80s across the HSA. The lowest temperature occurred on the 3rd or 4th when the temperature dropped into the 30s across the HSA. The temperature fell below 33 degrees on 1 day in northern and eastern parts of Indiana.

At the end of May, much of the HSA was very wet. Stream levels were high for the time of year. Lowland flooding continued along much of the Wabash, White, East Fork White and Muscatatuck Rivers in western and southern Indiana.

STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD TIME	STAGE TO	CREST STAGE	CREST DATE	CREST TIME
BIG BLUE RIVER.....							
CARTHAGE IN.	7.0				5.16	5/31	1200
SHELBYVILLE IN.	11.0				9.03	5/31	1930
BIG RACCOON CREEK.....							
COXVILLE IN.	14.0				11.95	5/31	0900
BIG WALNUT CREEK.....							
REELSVILLE IN.	12.0				9.98	5/31	0300
BLUE RIVER.....							
FREDERICKSBURG IN.	20.0				20.88	5/27	2000
FREDERICKSBURG IN.	20.0				25.42	5/28	1300
FREDERICKSBURG IN.	20.0				16.08	5/31	1100
BUCK CREEK.....							
NEW MIDDLETOWN 3.6 SW IN.	12.0				7.10	5/25	2330
NEW MIDDLETOWN 3.6 SW IN.	12.0				8.32	5/27	0230
NEW MIDDLETOWN 3.6 SW IN.	12.0				10.92	5/28	0230
ACTON IN.	9.0				8.27	5/31	1000
Bonpas Creek.....							
Browns IL.					17.29	5/29	1430
CLIFTY CREEK.....							
HARTSVILLE IN.	10.0				5.11	5/19	1100
HARTSVILLE IN.	10.0				4.97	5/20	0330
HARTSVILLE IN.	10.0				5.14	5/31	0830
EAST FORK WHITE R.....							
COLUMBUS IN.	9.0				4.67	6/01	1300
SEYMOUR 2 N IN.	12.0	5/02	1200	5/02	12.13	5/02	1500
SEYMOUR 2 N IN.	12.0	6/01	0500	6/03	12.89	6/02	0900
BEDFORD 8SE IN.	20.0				16.90	5/06	0900
BEDFORD 8SE IN.	20.0				19.86	6/04	1200
WILLIAMS IN.	8.0				6.20	5/06	0700
WILLIAMS IN.	8.0				7.00	5/28	0700
WILLIAMS IN.	8.0				6.90	6/01	0700
WILLIAMS IN.	8.0				6.90	6/04	0700
SHOALS HIWAY 50 BRID IN.	20.0				10.15	5/07	0500
SHOALS HIWAY 50 BRID IN.	20.0				16.21	5/29	0400
SHOALS HIWAY 50 BRID IN.	20.0				14.01	6/01	0001
EAST FORK WHITEWATER.....							
ABINGTON IN.	12.0				10.00	5/28	1200
ABINGTON IN.	12.0				11.15	5/31	0900
EEL RIVER.....							
BOWLING GREEN IN.	17.0				16.55	5/31	2000

STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD TIME	STAGE TO	CREST STAGE	CREST DATE	CREST TIME
EEL RIVER...NORTH.....							
NORTH MANCHESTER IN.	7.0				10.01	5/31	1000
ADAMSBORO IN.	10.0				8.21	6/01	0600
EMBARRAS RIVER.....							
STE MARIE IL.	19.0				18.70	5/28	2215
STE MARIE IL.	19.0				17.08	6/02	0415
LAWRENCEVILLE IL.	29.0				32.81	5/31	0431
FALL CREEK.....							
FORTVILLE 2 NW IN.	8.0				7.14	6/01	0001
MILLERSVILLE IN.	9.0				7.71	5/31	1230
MILLERSVILLE IN.	9.0				7.88	6/01	0715
FLATROCK RIVER.....							
ST. PAUL IN.	6.0				4.52	6/02	0100
LITTLE BUCK CREEK.....							
INDIANAPOLIS IN.					5.53	5/31	0045
LITTLE RIVER.....							
HUNTINGTON 5 W IN.	15.0				14.78	5/31	0400
MIDDLE FORK ANDERSON.....							
BRISTOW IN.	15.0				14.39	5/26	0100
BRISTOW IN.	15.0				13.13	5/27	0300
BRISTOW IN.	15.0				12.57	5/28	0500
BRISTOW IN.	15.0				10.76	5/31	0600
MILL CREEK.....							
CATARACT 3 E IN.	15.0				11.35	5/19	1300
CATARACT 3 E IN.	15.0				13.89	6/01	1100
MANHATTAN 5 S IN.	12.0				11.77	5/31	0900
MUSCATATUCK RIVER.....							
Deputy 1WNW IN.	15.0				20.57	5/02	0800
Deputy 1WNW IN.	15.0				16.92	5/27	1500
Deputy 1WNW IN.	15.0				19.75	5/28	0930
Deputy 1WNW IN.	15.0				17.52	5/30	1730
Deputy 1WNW IN.	15.0				18.10	5/31	0700
VERNON 1SW 1 SW IN.	17.0				12.15	5/02	0230
VERNON 1SW 1 SW IN.	17.0				10.66	5/27	2330
WHEELER HOLLOW IN.	16.0				19.20	5/05	0700
WHEELER HOLLOW IN.	16.0				20.50	6/02	2000
N. F. EMBARRAS RIVER.....							
OBLONG 2 W IL.					17.33	5/28	2015
OBLONG 2 W IL.					17.23	6/01	0600

N.F. Vermilion River.....
Bismarck 2 W IL.

10.16 5/31 1930

STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD TIME	STAGE TO	CREST STAGE	CREST DATE	CREST TIME
Patoka River.....							
JASPER IN.	14.0				14.51	5/29	1400
Winslow IN.					23.66	6/02	0500
PRINCETON 2 MI NE IN.	18.0				17.59	6/07	1300
SALT CREEK.....							
HARRODSBURG 2 SE IN.	25.0				19.02	5/28	0400
SILVER CREEK.....							
SELLERSBURG 2.4 SE IN.	20.0				13.50	5/26	0400
SELLERSBURG 2.4 SE IN.	20.0				24.31	5/28	1800
SELLERSBURG 2.4 SE IN.	20.0				18.51	5/31	1900
SOUTH FORK PATOKA R.....							
SPURGEON IN.	11.5				11.31	5/27	0130
SUGAR CREEK.....							
CRAWFORDSVILLE IN.	8.0				3.36	5/31	0900
SUGAR CREEK...SOUTH.....							
NEW PALESTINE IN.	8.0				6.17	5/31	1200
EDINBURGH 2 NW IN.	10.0				9.95	6/01	0100
Stony Creek.....							
Noblesville 1SE .	6.0				4.39	5/28	0730
Noblesville 1SE .	6.0				4.32	5/31	1000
TIPPECANOE RIVER.....							
MONTICELLO IN.	9.0				6.91	5/31	1800
DELPHI 6 W IN.	8.0				7.21	5/31	1900
VERMILION RIVER.....							
DANVILLE 2 SE IL.	18.0				8.00	6/01	0845
WABASH RIVER.....							
WABASH IN.	12.0				12.59	5/31	0500
PERU IN.	20.0				9.81	5/31	1200
LOGANSPORT CICOTT ST IN.	17.0				9.11	5/31	1600
LAFAYETTE IN.	11.0	5/31	1930	6/03	14.14	6/01	1200
COVINGTON IN.	16.0	6/01	1200	6/04	17.78	6/02	2200
MONTEZUMA IN.	14.0	6/01	1830	6/04	15.77	6/03	1800
TERRE HAUTE WTR CORP IN.	14.0				13.86	6/03	1900
HUTSONVILLE IL.	16.0	6/03	1500	6/05	16.30	6/04	0700
RIVERTON IN.	15.0				14.87	6/04	1600
VINCENNES IN.	17.5				14.89	5/28	2200
VINCENNES IN.	17.5				13.37	6/01	1700
VINCENNES IN.	17.5				14.36	6/04	1300
VINCENNES 1 W IN.	16.0				13.80	5/28	1900
VINCENNES 1 W IN.	16.0				13.40	6/04	1200

MOUNT CARMEL IL.	19.0	18.98	6/05 0300
NEW HARMONY IN.	15.0	15.03	6/05 0200

STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD TIME	STAGE TO	CREST STAGE	CREST DATE	CREST TIME
WEST FORK BLUE RIVER.....							
Salem IN.	12.0				12.23	5/27	0515
Salem IN.	12.0				17.12	5/27	2230
WHITE LICK CREEK.....							
MOORESVILLE IN.	17.0				17.66	5/31	0500
WHITE RIVER.....							
MUNCIE IN.	9.0				8.98	5/28	2300
MUNCIE IN.	9.0				8.03	5/31	2100
ANDERSON WATERWORKS IN.	10.0	5/28	1300	5/29	10.28	5/28	1700
ANDERSON WATERWORKS IN.	10.0				9.56	5/31	1800
ANDERSON SEWAGE PLAN IN.	10.0				9.72	5/28	1900
ANDERSON SEWAGE PLAN IN.	10.0				9.23	5/31	2200
NOBLESVILLE IN.	14.0				10.33	5/29	0800
NOBLESVILLE IN.	14.0				10.84	6/01	0800
NORA IN.	11.0				7.71	5/29	1200
NORA IN.	11.0				8.21	6/01	1400
BROAD RIPPLE DAM IN.	6.0				5.15	5/29	1300
BROAD RIPPLE DAM IN.	6.0				5.34	6/01	1600
INDIANAPOLIS MORRIS IN.	16.0				7.70	5/29	2000
INDIANAPOLIS MORRIS IN.	16.0				9.86	5/31	0001
INDIANAPOLIS MORRIS IN.	16.0				8.88	6/01	1000
STOUT GENERATING STA IN.	10.0				7.41	5/31	0001
CENTERTON 1 S IN.	12.0	5/31	0745	5/31	12.85	5/31	1400
CENTERTON IN.	603.0	5/31	1100	5/31	603.40	5/31	1400
SPENCER IN.	14.0	5/31	1900	6/02	15.97	6/01	1900
WORTHINGTON IN.	18.0				20.50	6/02	0800
ELLISTON IN.	18.0	5/31	1800	6/03	20.99	6/02	0800
NEWBERRY IN.	13.0	5/28	0415	5/28	13.91	5/28	1000
EDWARDSPORT IN.	15.0	5/28	1500	5/30	17.00	5/29	0700
EDWARDSPORT IN.	15.0	6/01	1100	6/05	17.40	6/03	1900
PETERSBURG 3 NE IN.	16.0				20.23	5/30	1345
PETERSBURG IN.	16.0	5/28	0830	6/07	20.37	5/30	2200
HAZLETON IN.	16.0	5/28	2100	6/08	20.00	6/01	0600
WHITewater RIVER.....							
ECONOMY 2 NW IN.					7.45	5/27	2315
ECONOMY 2 NW IN.					7.09	5/31	0045
ALPINE 2 NE IN.	14.0				14.65	5/29	0001
ALPINE 2 NE IN.	14.0				16.00	5/31	2000
BROOKVILLE IN.	20.0				7.06	5/29	0600
BROOKVILLE IN.	20.0				7.34	5/31	0800
BROOKVILLE IN.	20.0				7.80	6/01	0200
Whiskey Run.....							
Marengo IN.	8.0				7.12	5/28	0015
YOUNGS CREEK.....							

AMITY IN.	7.0	7.91	5/31 0630
Pleasant Run....			
Arlington Ave in Indy		10.35	5/30 2315

It is necessary to E-mail the following people:

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The NOISE FORM E-5 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE	U.S. DEPARTMENT OF COMMERCE INDIANAPOLIS, INDIANA	HYDROLOGIC SERVICE AREA:
REPORT FOR: MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS		MONTH: June YEAR: 2004
TO: Hydrometeorological Information Center NOISE/Office of Hydrology, W/OH12x1 1325 East-West Highway, Room 7128 Silver Spring MD. 20910	SIGNATURE: (In Charge of Hydrologic Service Area) Date: March 12, 2007	

When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts and hydrologic products issued (WSOM E-41).



An **X** inside this box indicates that no flooding occurred within this hydrologic service area.

Flooding, reminiscent of July 2003, occurred in portions of northern and western Indiana. The warm and wet period from the 10th through the 18th caused widespread flooding in central and southern Indiana.

After a very wet May, little rain fell between the 1st and the 9th of June. Temperatures were below normal from the 1st through the 5th. Warm and humid air started to move into HSA on the 6th. By the 8th temperatures were reaching into the middle and upper 80s and falling only into the upper 60s or lower 70s across the HSA.

An unsettled period began on the 10th and continued through the 18th. Late on the 10th and early on the 11th, heavy rain of 3 to over 6 inches fell in portions of east central Illinois and north central Indiana. The heaviest rain fell in Benton, Warren and Tippecanoe Counties and caused widespread local flooding. Flooding closed many roads and affected some residential areas.

The worst hit location in the HSA was the Lafayette area. Flooding affected homes, numerous local roads and several state roads. More than 10 people had to be evacuated and over 25 persons needed assistance. Some roads were inundated by several feet of water.

During the day of the 11th, storms from the previous night moved across central Indiana just north and east of Indianapolis. Rain of 3 to 5 inches fell by late afternoon in Tipton, Hamilton, Madison, Henry and northern Hancock Counties. By sunset on the 11th widespread small stream flooding had occurred in much of the northern portion of the HSA.

Late on the 11th and early on the 12th, storms returned again to almost the same areas of east central Illinois and north central

Indiana. This additional rain of 1 to 4 inches hampered flood relief efforts and prolonged local high water conditions.

On the evening of the 12th more storms returned to portions of east central Illinois and north central Indiana. Rainfall from these storms was generally less than one half of an inch and did not cause additional flood problems.

Much of central Indiana received another ½ to 1 inch on the 13th. A very wet central Indiana dried out some on the 14th when no rain fell. Rain returned during the evening of the 15th when up to 2 inches fell in portions of central Indiana. Early on the 16th storms dumped another 1 to nearly 4 inches of rain on portions of central Indiana.

Heavy rain during the morning of the 16th caused several flash floods in central Indiana. Water rescues were necessary in the Indianapolis and Martinsville areas. Many motorists drove through flooded streets and several needed rescued. High water receded quickly in most areas.

Extensive flooding occurred along the Wabash River as a result of heavy rains on the 10th and 11th. This flooding extended from Lafayette to Vincennes. This was second time in less than a year that a large agricultural flood occurred along the Wabash River. Because of dry weather in April, crops in bottomlands were planted early and significant crop damage resulted. Additional rain on the 16th, 17th and 18th sharpened and prolonged the Wabash River crest as it moved towards the Ohio River.

Rains from the 11th caused the White River in central Indiana to rise sharply and exceed flood stage slightly from Noblesville to Spencer. Flooding was much less than that seen during July 2003.

Heavy rain from the 16th caused additional flooding along the White River in central Indiana and pushed levels higher along the White River in southwest Indiana. Lowland flooding from Centerton to Edwardsport exceeded levels seen in early June by 1 to 2 feet. Lowland flooding in the Petersburg and Hazleton areas was lower than that of early June.

The East Fork White River approached or slightly exceeded flood stage 3 times from 13th to the 16th in Jackson County. Rains of 1 to 3 inches fell in portions of southeast Indiana on the 12th, 13th and 15th. Heavy rain on the 16th in the upper portions of the basin caused the river to rise steadily through the 19th. This crest was 2 feet higher than any seen during June.

While central and eastern portions of Indiana received 2 to over 11 inches of rain from 10th through the 18th, much of southwest

and south central Indiana received less than an inch of rain. The effects of the heavy rain in central Indiana impacted the White and Wabash Rivers in southwest Indiana and southeast Illinois from the 17th to the 28th. Flooding lasted less than a day on small streams to nearly 2 weeks on portions of the Wabash River.

Cooler and much drier air replaced the warm and humid air on the 18th. Pleasant temperatures continued for the remainder of June. Much of central and southern Indiana received little rain after the 18th.

Monthly rainfall total ranged from slightly over an inch to nearly 12 inches in the Indianapolis HSA. Much of central and eastern Indiana received 4 to 6 inches of rain while southwest and south central Indiana received only 1 to 3 inches.

Rain fell on 7 to 11 days in the HSA. Most areas of central and eastern Indiana had 1 to 3 days with an inch or more of rain. Many areas of southwest and south central Indiana did not have any days when an inch or more of rain fell.

Monthly temperatures ranged $\frac{1}{2}$ to $1\frac{1}{2}$ degrees below normal. The warmest temperature of June occurred on the 8th or 11th. Temperatures reached into the upper 80s or lower 90s across the HSA. The lowest temperatures occurred on the 20th or the 26th. Temperatures dropped into the upper 40s or lower 50s across the HSA. The temperature reached 90 degrees or higher on 1 day at several locations in the HSA.

At the end of June, the HSA was on the dry side. Small stream levels were near normal for the time of year. Above normal levels continued in the Wabash, White, and East Fork White Rivers as a result of heavy rain during the middle of June.

NWS FORM E-3 U.S. DEPARTMENT OF COMMERCE
NOAA, NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA
INDIANAPOLIS, INDIANA

6/25/04 FLOOD STAGE REPORT

June 2004

STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD TIME	STAGE TO	CREST STAGE	CREST DATE	CREST TIME
BIG BLUE RIVER.....							
CARTHAGE IN.	7.0				10.75	6/12	0300
CARTHAGE IN.	7.0				7.73	6/17	0100
SHELBYVILLE IN.	11.0				11.95	6/13	1330
SHELBYVILLE IN.	11.0				11.82	6/17	0930
BIG RACCOON CREEK.....							
FINCASTLE 3 W IN.	11.0				7.15	6/12	2300
COXVILLE IN.	14.0				12.61	6/17	0001
BRUSH CREEK.....							
NEBRASKA .					8.66	6/12	1330
NEBRASKA .					7.16	6/15	1830
NEBRASKA .					6.48	6/22	0400
BUCK CREEK.....							
ACTON IN.	9.0				8.03	6/16	1600
DEER CREEK.....							
DELPHI 2.6 NE IN.					8.12	6/12	1930
EAGLE CREEK.....							
ZIONSVILLE IN.	9.0				9.53	6/11	2130
SPEEDWAY IN.	9.0				7.92	6/12	1030
SPEEDWAY IN.	9.0				6.16	6/16	1200
EAST FORK WHITE R.....							
COLUMBUS IN.	9.0				7.85	6/19	0001
SEYMOUR 2 N IN.	12.0				11.91	6/13	0800
SEYMOUR 2 N IN.	12.0	6/15	0800	6/15	12.02	6/15	1000
SEYMOUR 2 N IN.	12.0	6/15	2145	6/16	13.53	6/16	0900
SEYMOUR 2 N IN.	12.0	6/17	1000	6/21	15.63	6/20	0100
SEYMOUR 2 N IN.	12.0				11.29	6/22	1500
BEDFORD 8SE IN.	20.0				18.25	6/22	1100
WILLIAMS IN.	8.0				6.00	6/17	0700
WILLIAMS IN.	8.0				6.40	6/21	0600
SHOALS HIWAY 50 BRID IN.	20.0				10.14	6/17	0900
SHOALS HIWAY 50 BRID IN.	20.0				10.50	6/23	0001
EAST FORK WHITEWATER.....							
ABINGTON IN.	12.0				12.98	6/11	1730
ABINGTON IN.	12.0				11.83	6/16	1900
EEL RIVER.....							
BOWLING GREEN IN.	17.0				11.84	6/17	0400
EEL RIVER...NORTH.....							
NORTH MANCHESTER IN.	7.0				12.98	6/14	1245

ADAMSBORO	IN.	10.0	8.26	6/12	1500
ADAMSBORO	IN.	10.0	9.68	6/15	1000

6/25/04 FLOOD STAGE REPORT

June 2004

STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD TIME TO	STAGE	CREST STAGE	CREST DATE	CREST TIME
EMBARRAS RIVER.....							
Carmargo 2 SW IL.	12.0				8.89	6/13	0215
Carmargo 2 SW IL.	12.0				7.06	6/18	0600
STE MARIE IL.	19.0				6.41	6/19	0100
FALL CREEK.....							
FORTVILLE 2 NW IN.	8.0				8.82	6/12	1800
FORTVILLE 2 NW IN.	8.0				7.33	6/17	1000
MILLERSVILLE IN.	9.0				11.06	6/13	0500
MILLERSVILLE IN.	9.0				10.61	6/17	0245
FLATROCK RIVER.....							
ST. PAUL IN.	6.0				4.24	6/13	1700
ST. PAUL IN.	6.0				4.55	6/18	1030
Kokomo Creek.....							
KOKOMO 2 SE .					7.26	6/11	1200
LEARY-WEBER DITCH.....							
Mohawk IN.					6.54	6/11	1330
Mohawk IN.					6.00	6/16	1230
LITTLE BUCK CREEK.....							
INDIANAPOLIS IN.					4.92	6/16	1130
LITTLE EAGLE CREEK.....							
SPEEDWAY IN.					6.47	6/15	1745
SPEEDWAY IN.					6.30	6/16	1230
LITTLE RIVER.....							
HUNTINGTON 5 W IN.	15.0				13.62	6/13	0100
HUNTINGTON 5 W IN.	15.0				16.92	6/14	2200
M.F. Vermilion River.....							
Oakwood 2 NE IL.					10.37	6/12	1115
Oakwood 2 NE IL.					10.31	6/13	0930
MILL CREEK.....							
CATARACT 3 E IN.	15.0				13.74	6/16	2100
CATARACT 3 E IN.	15.0				13.69	6/17	1800
MISSISSINEWA RIVER.....							
RIDGEVILLE 2 E IN.	11.0				9.26	6/11	1700
RIDGEVILLE 2 E IN.	11.0				10.80	6/14	0400
RIDGEVILLE 2 E IN.	11.0				8.64	6/16	0200
RIDGEVILLE 2 E IN.	11.0				9.32	6/16	2000
MARION 2 N IN.	10.0				8.95	6/12	1700
MARION 2 N IN.	10.0				7.80	6/17	1000

6/25/04 FLOOD STAGE REPORT

June 2004

STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD TIME	STAGE TO	CREST STAGE	CREST DATE	CREST TIME
MUSCATATUCK RIVER.....							
Deputy 1WNW IN.	15.0				16.92	6/13	0600
Deputy 1WNW IN.	15.0				17.95	6/16	1030
VERNON 1SW 1 SW IN.	17.0				14.45	6/12	2000
VERNON 1SW 1 SW IN.	17.0				15.93	6/15	2200
VERNON 1SW 1 SW IN.	17.0				9.97	6/22	1000
WHEELER HOLLOW IN.	16.0				18.20	6/17	1900
WHEELER HOLLOW IN.	16.0				19.20	6/21	1200
N. F. EMBARRAS RIVER.....							
OBLONG 2 W IL.					9.70	6/18	1300
N.F. Vermilion River.....							
Bismarck 2 W IL.					17.57	6/12	0001
Bismarck 2 W IL.					17.54	6/13	1445
Bismarck 2 W IL.					15.34	6/17	2145
PIPE CREEK.....							
FRANKTON PIPE CREEK IN.	12.0				8.92	6/12	1230
Pleasant Run.....							
ARLINGTON AVE IN IND IN.					6.34	6/11	0500
ARLINGTON AVE IN IND IN.					6.07	6/15	1700
ARLINGTON AVE IN IND IN.					10.48	6/16	1200
Prairie Creek.....							
Lebanon 5 NW .					8.51	6/11	1144
Lebanon 5 NW .					10.37	6/15	1859
SALAMONIE RIVER.....							
WARREN 2.4 NW IN.	12.0				11.99	6/12	1200
WARREN 2.4 NW IN.	12.0				11.09	6/17	1100
SALT CREEK.....							
HARRODSBURG 2 SE IN.	25.0				19.27	6/16	1500
SUGAR CREEK.....							
CRAWFORDSVILLE IN.	8.0				5.25	6/12	1900
CRAWFORDSVILLE IN.	8.0				4.68	6/16	1600
CRAWFORDSVILLE IN.	8.0				4.56	6/17	0500
SUGAR CREEK...SOUTH.....							
NEW PALESTINE IN.	8.0			ESTI	8.70	6/13	1030
EDINBURGH 2 NW IN.	10.0				12.34	6/18	0130
South Fork Wildcat.....							
LAFAYETTE 5 E .					14.29	6/11	1900
LAFAYETTE 5 E .					9.18	6/17	1145

Stony Creek.....

Noblesville 1SE . 6.0 7.64 6/11 2245
Noblesville 1SE . 6.0 4.42 6/16 2230

NWS FORM E-3 U.S. DEPARTMENT OF COMMERCE HYDROLOGIC SERVICE AREA
NOAA, NATIONAL WEATHER SERVICE INDIANAPOLIS, INDIANA

6/25/04 FLOOD STAGE REPORT

June 2004

STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD TIME	STAGE TO	CREST STAGE	CREST DATE	CREST TIME
TIPPECANOE RIVER.....							
ORA 1 SW IN.	11.0				12.21	6/15	0130
WINAMAC IN.	10.0				9.51	6/16	1200
MONTICELLO IN.	9.0				7.46	6/13	1800
DELPHI 6 W IN.	8.0				8.61	6/12	2100
VERMILION RIVER.....							
DANVILLE 2 SE IL.	18.0				21.36	6/12	1545
DANVILLE 2 SE IL.	18.0				20.20	6/13	2245
WABASH RIVER.....							
LINN GROVE IN.	11.0				10.62	6/14	0500
BLUFFTON IN.	10.0				10.64	6/12	1700
BLUFFTON IN.	10.0				11.47	6/14	1100
BLUFFTON IN.	10.0				11.02	6/17	0900
WABASH IN.	12.0				11.74	6/12	1500
WABASH IN.	12.0				12.82	6/14	2000
WABASH IN.	12.0				13.49	6/14	0200
PERU IN.	20.0				11.52	6/12	1500
PERU IN.	20.0				11.39	6/14	0600
LOGANSPORT CICOTT ST IN.	17.0				10.55	6/12	2000
LAFAYETTE IN.	11.0	6/11	1230	6/21	21.70	6/13	1000
COVINGTON IN.	16.0	6/11	1345	6/23	27.57	6/14	0300
MONTEZUMA IN.	14.0	6/11	2230	6/25	27.27	6/16	2000
CLINTON IN.	18.0				26.50	6/17	0700
TERRE HAUTE WTR CORP IN.	14.0	6/12	1630	6/25	22.94	6/18	0001
HUTSONVILLE IL.	16.0	6/13	0900	6/28	24.50	6/20	1500
RIVERTON IN.	15.0	6/13	2045	6/28	22.29	6/21	1000
VINCENNES IN.	17.5	6/18	2200	6/28	21.81	6/22	2200
VINCENNES 1 W IN.	16.0	6/18	2000	6/28	20.45	6/22	1900
MOUNT CARMEL IL.	19.0	6/20	1700	6/26	22.15	6/24	0700
NEW HARMONY IN.	15.0				16.26	6/24	2200
WHITE LICK CREEK.....							
MOORESVILLE IN.	17.0				16.44	6/16	1700
WHITE RIVER.....							
MUNCIE IN.	9.0				8.30	6/12	0900
MUNCIE IN.	9.0				8.35	6/14	1600
MUNCIE IN.	9.0				7.40	6/17	0500
ANDERSON WATERWORKS IN.	10.0	6/12	0330	6/12	10.76	6/12	1200
ANDERSON WATERWORKS IN.	10.0				9.57	6/15	0200
ANDERSON WATERWORKS IN.	10.0				8.85	6/17	1100
ANDERSON SEWAGE PLAN IN.	10.0				10.69	6/12	1400

ANDERSON SEWAGE PLAN	IN.	10.0				8.86	6/14	2200
ANDERSON SEWAGE PLAN	IN.	10.0				8.21	6/17	1700
NOBLESVILLE	IN.	14.0	6/11	2345	6/13	14.45	6/12	0700
NOBLESVILLE	IN.	14.0				11.05	6/17	1900
NORA	IN.	11.0	6/12	0130	6/13	11.90	6/12	1700

NWS FORM E-3 U.S. DEPARTMENT OF COMMERCE
 SERVICE AREA
 INDIANA
 NOAA, NATIONAL WEATHER SERVICE

HYDROLOGIC
 INDIANAPOLIS,

6/25/04 FLOOD STAGE REPORT

June 2004

CREST DATE	CREST TIME	STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD TIME	STAGE TO	CREST STAGE
WHITE RIVER continued.....							
6/12	0800	RAVENSWOOD IN.	6.0	6/12	0300	6/13	6.80
6/12	1600	BROAD RIPPLE DAM IN.	6.0				6.68
6/12	1815	Rocky Ripple IN.	7.0				7.50
6/12	1900	INDIANAPOLIS MORRIS IN.	16.0				12.77
6/16	1400	INDIANAPOLIS MORRIS IN.	16.0				11.64
6/12	1200	STOUT GENERATING STA IN.	10.0				9.15
6/16	1400	STOUT GENERATING STA IN.	10.0				8.42
6/14	0600	CENTERTON 1 S IN.	12.0	6/13	1430	6/15	13.26
6/17	0001	CENTERTON 1 S IN.	12.0	6/16	1115	6/18	14.96
6/14	0745	CENTERTON IN.	603.0	6/13	1900	6/15	603.80
6/17	0300	CENTERTON IN.	603.0	6/16	1500	6/18	605.70
6/16	0001	SPENCER IN.	14.0	6/14	0345		16.76
6/18	1100	SPENCER IN.	14.0			6/20	18.91
6/19	0800	WORTHINGTON IN.	18.0				21.80
6/20	0800	ELLISTON IN.	18.0	6/15	0300	6/21	22.62
6/20	1000	NEWBERRY IN.	13.0	6/16	0500	6/21	16.32
6/21	1900	EDWARDSPORT IN.	15.0	6/16	1000	6/23	18.60
6/23	0615	PETERSBURG 3 NE IN.	16.0				18.08
6/23	0800	PETERSBURG IN.	16.0	6/18	0345	6/24	18.20
6/23	0600	HAZLETON IN.	16.0	6/19	0700	6/25	18.20

WHITEWATER RIVER.....

	ALPINE 2 NE IN.	14.0	17.99
6/12	1000		
	ALPINE 2 NE IN.	14.0	15.73
6/17	0300		
	BROOKVILLE IN.	20.0	8.99
6/12	1900		
	BROOKVILLE IN.	20.0	8.23
6/17	0900		
	WILDCAT CREEK.....		
	JEROME 1 SE IN.		8.49
6/12	0145		
	KOKOMO IN.	10.0	9.49
6/12	0715		
	LAFAYETTE 4 NE IN.	10.0	19.33
6/12	0100		
	LAFAYETTE 4 NE IN.	10.0	12.97
6/17	1500		
	YOUNGS CREEK.....		
	AMITY IN.	7.0	9.58
6/17	1130		

It is necessary to E-mail the following people:

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

INDIANAPOLIS, INDIANA

REPORT FOR:

MONTHLY REPORT OF RIVER AND
FLOOD CONDITIONS
YEAR: 2004

MONTH: July

TO: Hydrometeorological Information Center
NOISE/Office of Hydrology, W/OH12x1
1325 East-West Highway, Room 7128
Service Area)
Silver Spring MD. 20910

SIGNATURE:
(In Charge of Hydrologic

Date: March 12, 2007

When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts and hydrologic products issued (WSOM E-41).



An X inside this box indicates that no flooding occurred within this hydrologic service area.

July 2004 was a stormy month with cooler than normal temperatures and above normal rainfall. For the second consecutive July, more than 7 inches of rain fell in portions of the HSA. This July heavy rainfall was separated by more than a week. As a result, river flooding did not occur. A notable cool spell occurred from the 24th through the morning of the 28th.

Dry weather from the end of June continued into early July. A wet and stormy period began on the evening of the 8th and continued through 16th. Storms would occur in the HSA nearly every day. Rain of 1 to 5 inches fell in much of the HSA during this period. Greater rain fell in portions of east central Illinois and pushed the Vermilion River to near flood stage. Near bankfull conditions resulted along the Wabash River from Montezuma to Vincennes.

Storms on the 13th produced winds in excess of 60 mph in many areas of west central and south central Indiana. These winds blew down numerous large trees and caused power outages in several locations.

Storms on the 16th developed primarily during the evening in portions of southern Indiana. Rain of up to 4 inches fell in portions of Lawrence County and caused flooding of roads in Mitchell. Heavy rain of up to 8 inches fell just south of the HSA in portions of Gibson, Posey and Vanderburgh counties, causing flash flooding of trailer parks in the area.

After going nearly 2 weeks without significant rain, east central Indiana received 1 to 4 inches of rain on the 21st. Portions of central Indiana including the Indianapolis airport received 3 to 4 inches of rain from storms on the night of the 21st. Heavy rain flooded airport taxiways. Lightning from these storms caused some lights at the airport to catch fire and knocked holes in the concrete.

Storms on the evening of the 22nd were in the southern half of the state. Rain of 1 to nearly 4 inches fell in several areas of southern Indiana, with localized flooding occurring.

After temperatures in the upper 80s and lower 90s and dew points in the 70s on the 22nd, much cooler and drier air arrived for the 23rd and 24th. With this cool air in place, unsettled weather on the 25th and 26th produced light rain and clouds in the HSA. This resulted in record low maximum temperatures for Indianapolis on the 25th, 26th and 27th. A record low temperature was tied on the 28th.

Rain of ½ to possibly 4 inches fell on the 30th in much of the HSA. The heaviest rain was in southern half of Indiana. A small tornado touched down in a few miles southwest of Rushville during the evening.

Not all of the HSA received generous rain during July. West central and north central portions of the HAS received less than 3 inches. At Frankfort less than 1 ½ inches fell during the month.

Monthly rainfall was above normal for most of the Indianapolis HSA. Totals ranged from 3 1/2 to more than 8 inches in the Indianapolis HSA. Many areas received 4 to 6 inches of rain.

Rain fell on 12 to 16 days in the HSA. Most areas had 1 to 2 days with an inch or more of rain. A few areas had 3 days when an inch or more of rain fell.

Monthly temperatures ranged from 2 to 4 degrees below normal. The warmest temperature during the month occurred on 22nd in most areas. Maximum temperatures reached into the upper 80s or lower 90s across the HSA. The lowest temperatures occurred on the 28th. Temperatures dropped into the 50s across the HSA. The temperature reached 90

degrees or higher on 1 to 4 days at several locations in the HSA.

At the end of July, the HSA was on the wet side. Most stream levels were near normal for the time of year. Above normal levels continued in the Wabash, White, and East Fork White Rivers in southern Indiana.

NWS FORM E-3 U.S. DEPARTMENT OF COMMERCE
 SERVICE AREA
 INDIANA
 NOAA, NATIONAL WEATHER SERVICE

HYDROLOGIC
 INDIANAPOLIS,

8/03/04 FLOOD STAGE REPORT

July 2004

Stream/Location/FloodStage Time	Above Date Time	Below Date	Stage	Crest Date
BIG WALNUT CREEK Roachdale 3.5 SE, IN 2315			11.54	07/09/04
Roachdale 3.5 SE, IN 2230			9.75	07/11/04
BLUE RIVER FREDERICKSBURG, IN 20 1600			12.79	07/17/04
White Cloud 1 N, IN 0400			8.02	07/18/04
BUCK CREEK ACTON, IN 9 0830			5.91	07/22/04
Bonpas Creek Browns, IL 0530			10.69	07/12/04
Browns, IL 1015			14.29	07/17/04
EMBARRAS RIVER Carmargo 2 SW, IL 12 2045			7.88	07/04/04
Indian-Kentuck Creek Canan 2 NE, IN 0300			7.24	07/31/04
LITTLE BUCK CREEK INDIANAPOLIS, IN 0645			8.35	07/22/04
LITTLE RIVER HUNTINGTON 5 W, IN 15 1300			9.22	07/22/04
M.F. Vermilion River Oakwood 2 NE, IL 2300			6.27	07/10/04
N. F. EMBARRAS RIVER OBLONG 2 W, IL 1345			12.25	07/23/04
N.F. Vermilion River				

Bismarck 2 W, IL 12.52 07/10/04
1915

Pleasant Run in Indianapolis
Arlington Ave., IN 6.27 07/03/04
1900

Arlington Ave., IN 6.49 07/11/04
1715

Arlington Ave., IN 5.97 07/21/04
2300

Arlington Ave., IN 6.25 07/22/04
0315

SILVER CREEK
SELLERSBURG 2 SE IN 20 14.90 07/19/04
2000

VERMILION RIVER
DANVILLE 2 SE, IL 18 13.58 07/11/04
0145

WEST FORK BLUE RIVER
Salem, IN 12 7.15 07/19/04
0444

WHITE LICK CREEK
MOORESVILLE, IN 17 13.02 07/22/04
1130

NWS FORM E-3 U.S. DEPARTMENT OF COMMERCE HYDROLOGIC
SERVICE AREA INDIANAPOLIS,
INDIANA NOAA, NATIONAL WEATHER SERVICE

8/03/04 FLOOD STAGE REPORT July 2004

Stream/Location/FloodStage Time	Above Date Time	Below Date	Stage	Crest Date
Wabash River MONTEZUMA, IN 14			13.43	07/11/04
1700 TERRE HAUTE, IN 14			11.31	07/12/04
0500 HUTSONVILLE, IL 16			14.40	07/12/04
2100 RIVERTON, IN 15			13.17	07/12/04
2300 VINCENNES, IN 18			12.56	07/13/04
2300 VINCENNES 1 W, IN 16			11.30	07/14/04
0300 White River CENTERTON, IN 12			8.45	07/22/04
1600				

SPENCER, IN
0600

14

9.72 07/23/04

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

INDIANAPOLIS, INDIANA

REPORT FOR:

MONTHLY REPORT OF RIVER AND
FLOOD CONDITIONS
YEAR: 2004

MONTH: August

TO: Hydrometeorological Information Center
NOISE/Office of Hydrology, W/OH12x1
1325 East-West Highway, Room 7128
Service Area)
Silver Spring MD. 20910

SIGNATURE:
(In Charge of Hydrologic

Date: March 12, 2007

When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts and hydrologic products issued (WSOM E-41).



An X inside this box indicates that no flooding occurred within this hydrologic service area.

August 2004 was among the coolest and one of the wetter Augusts of record for the Indianapolis HSA. Significant flash flooding occurred on the 26th just outside the southwest portion of the HSA. Lowland flooding developed along portions of the Tippecanoe and Wabash Rivers in western Indiana near the end of the month.

August began dry and with normal temperatures through the 4th. After rainfall of around an inch in portions of the HAS on the 4th, a generally dry, but very cool spell began and continued through the 16th. Average temperatures ranged from 5 to nearly 20 degrees below normal.

The coolest day during August for much of the HSA was the 12th. Both a record low temperature and a record low maximum temperature were set that day for Indianapolis. The average temperature on the 12th was the coolest for any day between June 30 and August 27 of record at Indianapolis. Central Indiana was experiencing early October weather in the middle of August.

August like temperatures returned on the 17th and continued through the 19th. Rain of 1 to 2 inches fell in much of the HSA on the 20th and ended the brief warm spell. The next cool spell was short lived and temperatures returned to the 80s by the 22nd. The 80 degree weather from the 23rd through the 28th lifted this August from the coolest of record to one of the coolest of record. Pleasant conditions ended a very cool August.

Storms on the evening of the 24th dropped 1 to nearly 4 inches of rain in portions of central Indiana. Late on the 25th and early on the 26th rain of 3 to nearly 8 inches fell in much of southeast Illinois and southwest Indiana. Bon Pas Creek near Browns, Illinois rose nearly 20 feet and Big Creek near Wadesville, Indiana rose 16 ½ feet in 15 hours. Flash flooding closed several local roads in Gibson and Posey Counties in southwest Indiana.

Storms on the evening of the 27th dropped 1 to 3 inches in portions of north central Indiana. More storms on the evening of the 28th dropped 2 to 4 inches in some of the same areas of north central Indiana. Lowland flooding developed along portions of the Tippecanoe and Wabash Rivers in Tippecanoe County and spread downstream to the Covington and Montezuma areas. Flood crests were 1 to 3 feet above flood stage. Flooding lasted 1 to 3 days. The Wabash River had experienced severe agricultural flooding during June.

For the week August 23 through August 30, much of Illinois and Indiana had received 2 to 4 inches of rain. Portions of southeast Illinois, west central Indiana, east central Illinois and north central Indiana had received 6 to 8 inches of rain. During this time less than an inch of rain fell in a 10 to 20 mile wide area extending from near Crawfordsville in Montgomery County to Richmond in Wayne County.

Monthly rainfall was above normal for much of the Indianapolis HSA. Totals ranged from 3 to more than 7 inches. Many areas received 3 to 5 inches of rain.

Rain fell on 6 to 10 days in the HSA. Most areas had 1 to 2 days with an inch or more of rain. A few areas had 3 days when an inch or more of rain fell.

Monthly temperatures ranged from 3 ½ to 4 ½ degrees below normal. The warmest temperature during the month occurred on 3rd, 19th or 27th. Maximum temperatures reached into the upper 80s or lower 90s across the HSA. The lowest temperatures occurred on the 12th in most locations. Temperatures dropped into the upper 40s and lower 50s across the HSA. The temperature reached 90 degrees or higher on 1 to 3 days at some locations in the HSA.

For the Indianapolis airport, August 2004 tied for the 6th coolest of record and was the coolest since 1992. August was the 29th wettest of record and the wettest since 1993.

For the meteorological summer at the Indianapolis airport, 2004 tied for the 10th coolest and was the 10th wettest of record. This was the coolest summer since 1992 and wettest since 1998. The temperature during 2004 has yet to reach 90 degrees at the airport.

At the end of August, the HSA remained on the wet side. Most stream levels were above normal for the time of year. Lowland flooding continued along portions of the Wabash River from Lafayette to Montezuma.

NWS FORM E-3 U.S. DEPARTMENT OF COMMERCE
 SERVICE AREA
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 NOAA, NATIONAL WEATHER SERVICE

HYDROLOGIC
 INDIANAPOLIS,

9/03/04 FLOOD STAGE REPORT

August 2004

CREST DATE	CREST TIME	STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD STAGE TO	CREST STAGE
8/26	2130	Big Creek..... Wadesville 1.6 SE IN.				19.54
8/26	1415	Bonpas Creek..... Browns IL.				21.06
8/29	1800	DEER CREEK..... DELPHI 2.6 NE IN.				6.97
8/28	1530	EEL RIVER...NORTH..... NORTH MANCHESTER IN.	7.0			7.83
8/29	1130	NORTH MANCHESTER IN.	7.0			7.41
8/29	0800	ADAMSBORO IN.	10.0			8.08
8/28	0021	EMBARRAS RIVER..... LAWRENCEVILLE IL.	29.0			27.42
8/29	0300	LITTLE RIVER..... HUNTINGTON 5 W IN.	15.0			11.28
8/29	0400	MISSISSINEWA RIVER..... RIDGEVILLE 2 E IN.	11.0			8.23
8/27	0045	N. F. EMBARRAS RIVER..... OBLONG 2 W IL.				13.30
8/28	1245	N.F. Vermilion River..... Bismarck 2 W IL.				10.11
8/29	1745	Bismarck 2 W IL.				9.20
		Patoka River.....				

	Winslow IN.		14.22
8/27	1200		
	PRINCETON 2 MI NE IN.	18.0	14.28
8/26	1000		
	Pleasant Run.....		
	ARLINGTON AVE IN IND IN.		6.72
8/04	0900		
	ARLINGTON AVE IN IND IN.		6.04
8/24	2215		
	SALAMONIE RIVER.....		
	WARREN 2.4 NW IN.	12.0	9.33
8/30	0500		
	SOUTH FORK PATOKA R.....		
	SPURGEON IN.	11.5	8.21
8/26	0845		
	TIPPECANOE RIVER.....		
	ORA 1 SW IN.	11.0	11.91
8/31	1100		
	WINAMAC IN.	10.0	9.09
9/01	0700		
	MONTICELLO IN.	9.0	9.90
8/29	1200		
	DELPHI 6 W IN.	8.0	8.65
8/29	1400		

NWS FORM E-3 U.S. DEPARTMENT OF COMMERCE
 SERVICE AREA
 INDIANA
 NOAA, NATIONAL WEATHER SERVICE

HYDROLOGIC
 INDIANAPOLIS,

9/03/04 FLOOD STAGE REPORT

August 2004

CREST DATE	CREST TIME	STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD TIME	STAGE TO	CREST STAGE
8/30	1200	WABASH RIVER..... LINN GROVE IN.	11.0				9.78
8/29	1500	BLUFFTON IN.	10.0				11.08
8/30	1700	WABASH IN.	12.0				9.10
8/30	2100	PERU IN.	20.0				7.97
8/29	1800	LOGANSPORT CICOTT ST IN.	17.0				7.58
8/30	0800	LAFAYETTE IN.	11.0	8/29	1200	8/31	14.03
8/31	0600	COVINGTON IN.	16.0	8/30	0745	9/01	17.43
8/31	2000	MONTEZUMA IN.	14.0	8/31	0600	9/01	14.37
9/01	1100	TERRE HAUTE WTR CORP IN.	14.0				11.76
9/02	0300	HUTSONVILLE IL.	16.0				14.50
9/02	0500	RIVERTON IN.	15.0				12.94
9/03	0100	VINCENNES IN.	17.5				12.02
9/03	0800	VINCENNES 1 W IN.	16.0				10.60

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

INDIANAPOLIS, INDIANA

REPORT FOR:

MONTHLY REPORT OF RIVER AND
FLOOD CONDITIONS
YEAR: 2004

MONTH: September

TO: Hydrometeorological Information Center
NOISE/Office of Hydrology, W/OH12x1
1325 East-West Highway, Room 7128
Service Area)
Silver Spring MD. 20910

SIGNATURE:
(In Charge of Hydrologic

Date: March 12, 2007

When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts and hydrologic products issued (WSOM E-41).



An X inside this box indicates that no flooding occurred within this hydrologic service area.

September 2004 was warm and dry in the Indianapolis HSA. Many areas received less than an inch of rain during the month. Some areas of southern Indiana experienced a record dry September. River levels in the HSA gradually declined during the month.

Rainfall during September was much below normal in much of the HSA. Monthly totals ranged from zero to near 3 inches. Almost all of the rain during September fell in the first 16 days. Rain of 1 to 2 inches fell in isolated areas on the 3rd, 4th and 16th. Most areas received less than 0.25 inches on these days. Rain fell on 2 to 4 days during the month.

Monthly temperatures averaged 1 to nearly 3 degrees above normal for the month. This was the first month since May with an above normal average monthly temperature. Temperatures averaged near normal to above normal on most days during September.

The temperature did not reach 90 during September, but reached 80 degrees on more than 15 days. Temperatures did not fall into the 40s until the last 2 days of the month. The warmest temperature during September occurred on the 5th, 6th or 23rd when temperatures reached into the middle 80s. The lowest occurred on the 30th when temperatures dropped into the 40s.

For the Indianapolis airport, September tied for the 7th driest September with only 0.75 inches. Indianapolis received the same amount of rainfall during September 1999. No rain was recorded from the 18th through 30th. The only previous time this had occurred was in 1897.

At the end of September, the HSA was dry. Most stream levels remained near normal for the time of year because of the abundant summer rainfall.

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Another fella in IDEM

The NOISE FORM E-5

U.S. DEPARTMENT OF COMMERCE

HYDROLOGIC SERVICE AREA:

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

INDIANAPOLIS, INDIANA

REPORT FOR:

MONTHLY REPORT OF RIVER AND
FLOOD CONDITIONS
YEAR: 2004

MONTH: October

TO: Hydrometeorological Information Center
NOISE/Office of Hydrology, W/OH12x1
1325 East-West Highway, Room 7128
Service Area)
Silver Spring MD. 20910

SIGNATURE:

(In Charge of Hydrologic

Date: March 12, 2007

When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts and hydrologic products issued (WSOM E-41).



An **X** inside this box indicates that no flooding occurred within this hydrologic service area.

October 2004 was warm, wet and at the end, windy in the Indianapolis HSA. Most areas received 2 to 6 inches of rain during the month. Some areas of southern Indiana experienced a record wet October, a complete reversal from the preceding record dry September. River levels in the HSA increased during the month. Near the end of the month, winds gusted over 50 mph in many areas.

Rainfall during October was above in central and southern portions of the HSA and slightly below normal in northern portions. Monthly totals ranged from slightly less than 2 inches in northern portions of the HSA to over 9 inches in the southwest portion. Almost all of the rain during October fell after the 11th.

The dry period that began in most areas at the end of August, ended on October 12. Many areas of central and southern Indiana received 1 to 4 inches of rain from the 12th through the 16th. This rain had little effect on streams and rivers.

On the 18th the HSA received 1 to more than 6 inches of rain. The heaviest rain fell in areas of southern Indiana than had seen little or no rain during September. The Bedford and Seymour areas measured over 5 inches of rain. Because of the earlier prolonged dry spell, this rain caused streams and rivers to rise only modestly.

Rain of slightly over an inch fell in portions of central Indiana on the 23rd and 1 to 2 inches fell in portions of

southwest and south central Indiana on the 26th. This rain kept streams and rivers at above normal seasonal levels, but flooding did not occur.

Rain fell on 10 to 14 days during the month. Except for northern portions of the HSA, most locations had 1 or 2 days with an inch or rain of more. Portions of south central had one day when 5 inches or more of rain fell. Monthly temperatures averaged 1 to nearly 2 degrees above normal for the month. There were pronounced swings in temperatures during October. Temperatures were below average during the first 6 days of October, followed by normal to above normal temperatures from the 7th through the 12th. Below normal temperatures prevailed from the 13th through the 19th and above to much above normal temperatures finished October. Temperatures on the 29th and 30th reached into the middle 70s to lower 80s across the HSA.

Most of central and northern portions of the HSA had 1 to 2 days when the temperature fell below 33 degrees. The coldest temperatures during October occurred on the 17th when temperatures fell into the lower 30s. The warmest temperatures during the month occurred on the 7th when temperatures reached into the upper 70s and lower 80s. Similar temperatures occurred on the 29th and 30th.

A notable wind event occurred during the day on the 30th. As a strong low pressure system swept across the Great Lakes, winds remained above 25 mph from late in the morning to early evening. Many areas had several wind gusts above 50 mph during the early afternoon.

For the Indianapolis airport, October was the 19th wettest October of record and the wettest since 2001. The 0.88 inches of rain recorded from August 27 to October 11 was the 3rd lowest ever for this period and the lowest since the record 0.26 inches set in 1963. The average temperature during October was the warmest since 2000.

At the end of October, the HSA was wet to very wet in most areas. Stream levels were above normal for the season.

NWS FORM E-3 U.S. DEPARTMENT OF COMMERCE
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 INDIANA
 NOAA, NATIONAL WEATHER SERVICE

HYDROLOGIC
 INDIANAPOLIS,

11/02/04 FLOOD STAGE REPORT

October 2004

CREST DATE	CREST TIME	STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD STAGE TO	CREST STAGE
10/18	1645	Big Creek..... Wadesville 1.6 SE IN.				18.18
10/19	0345	Bonpas Creek..... Browns IL.				12.03
10/27	0400	Browns IL.				14.36
10/20	0716	EMBARRAS RIVER..... LAWRENCEVILLE IL.	29.0			28.46
10/18	1815	Indian-Kentuck Creek..... CANAAN 2 NE IN.				7.64
10/19	0430	MUSCATATUCK RIVER..... Deputy 1WNW IN.	15.0			20.02
10/20	0115	N. F. EMBARRAS RIVER..... OBLONG 2 W IL.				13.51
10/19	2200	Patoka River..... Winslow IN.				15.36
10/28	0700	Winslow IN.				16.67
10/27	0200	PRINCETON 2 MI NE IN.	18.0			13.82
10/27	0115	SOUTH FORK PATOKA R..... SPURGEON IN.	11.5			8.72

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

INDIANAPOLIS, INDIANA

REPORT FOR:

MONTHLY REPORT OF RIVER AND
FLOOD CONDITIONS
YEAR: 2004

MONTH: November

TO: Hydrometeorological Information Center
NOISE/Office of Hydrology, W/OH12x1
1325 East-West Highway, Room 7128
Service Area)
Silver Spring MD. 20910

SIGNATURE:

(In Charge of Hydrologic

Date: March 12, 2007

When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts and hydrologic products issued (WSOM E-41).



An **X** inside this box indicates that no flooding occurred within this hydrologic service area.

November 2004 continued the warm, wet and wild ways of October. November began wet and ended wet. Warm weather from 16th through 23rd helped boost the monthly average temperature. A strong storm system on the 24th produced a few rare November tornadoes and ushered in the first snow of the season. Most areas received 4 to 6 inches of rain during the month. Lowland flooding occurred along the Wabash River after the rains on the 24th.

Rainfall during November was fairly well distributed. On the 2nd, 1 to 2 inches of rain fell in much of central and southern Indiana and east central Illinois. River levels approached bankfull levels along the Wabash River. Water levels were elevated in the White and East Fork White Rivers in southern Indiana.

Rain of ½ to more than 2 inches fell on the 11th in central and southern Indiana. The heaviest rain fell along the Ohio River in south central and southeast Indiana. Once again, river levels were elevated in the White and East Fork White Rivers in southern Indiana.

Rain of around an inch or slightly more fell in many areas of northern Indiana from 15th through the 20th. During the same period central and southern Indiana received generally less than ½ inch of rain. Streams in the northern portions of the HSA showed a slight response to this rain.

Rain of 1 to 2 inches fell in much of central and northern Indiana on the 24th. Just outside of the HSA, much of

northwest and north central Indiana received 4 to 5 inches of snow. Rainfall amounts in southern Indiana were generally less than $\frac{1}{2}$ inches.

Three small tornadoes occurred late in the afternoon on the 24th. They occurred in Decatur, Rush and Franklin Counties. The tornadoes were rated F0 or F1 and had a short path. Some damage did occur.

Much of central and southern Indiana received its first snow of the season from the cold side of this storm system. Amounts ranged from a trace to generally less than an inch.

Rain returned again on the 27th when most of the HSA received another $\frac{1}{4}$ to $\frac{3}{4}$ inches. The last day of November rain of $\frac{1}{4}$ to $\frac{3}{4}$ inch fell again in much of the HSA.

Lowland flooding occurred along the Wabash River from the rain on the 24th. The rains on the 27th and 30th caused additional rises and prolonged the lowland flooding along the Wabash River.

The White and East Fork White Rivers responded to the rains from the 24th to the 30th. The White River in southern Indiana approached bankfull levels. Because rainfall amounts were lighter in southern Indiana, the East Fork White River was only at elevated levels.

Monthly rainfall was above normal in almost all of the HSA. Totals ranged from 3 to more than 8 inches. Rain fell on 16 to 18 days during the month. Most locations had 1 or 2 days with an inch or rain of more.

Monthly temperatures averaged 3 to nearly 4 degrees above normal.

The warmest temperatures during the month generally occurred on the 1st or 2nd. Maximum temperatures reached into the middle 60s and lower 70s. The coldest temperatures during the month generally occurred on the 13th, 14th or 25th. Minimum temperatures dipped into the 20s and lower 30s. The temperature fell below 33 degrees on 5 to 10 days.

Temperatures during the day on the 24th ranged from the 30s in northern Indiana to the middle 60s in southern Indiana. Just prior to the 24th, the HSA experienced a mild spell from the 16th through the 23rd. Temperatures averaged

sometimes more than 15 degrees above normal. Maximum temperatures were in the 50s and 60s during this period.

For the Indianapolis area, the average temperature during November was the 10th warmest of record. Interestingly, last year November's average temperature was the 9th warmest of record.

At the end of November, the HSA was very wet in most areas. Stream levels were above normal for the season and lowland flooding was in progress along much of the Wabash River. After being below its spillway since late August, Morse Reservoir in Hamilton County was at capacity late on December 1.

NWS FORM E-3 U.S. DEPARTMENT OF COMMERCE
 SERVICE AREA
 INDIANA
 NOAA, NATIONAL WEATHER SERVICE

HYDROLOGIC
 INDIANAPOLIS,

12/03/04 FLOOD STAGE REPORT

November 2004

CREST DATE	CREST TIME	STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD STAGE TO	CREST STAGE
12/01	1500	BIG RACCOON CREEK..... FINCASTLE 3 W IN.	11.0			4.79
12/01	1600	COXVILLE IN.	14.0			8.41
11/12	0500	BLUE RIVER..... FREDERICKSBURG IN.	20.0			17.99
11/02	1415	BUCK CREEK..... NEW MIDDLETOWN 3.6 SW IN.	12.0			6.06
11/11	2315	NEW MIDDLETOWN 3.6 SW IN.	12.0			6.31
11/25	0500	ACTON IN.	9.0			5.48
11/02	0900	Big Creek..... Wadesville 1.6 SE IN.				17.58
11/11	2015	Wadesville 1.6 SE IN.				17.64
11/12	1530	Blue River..... White Cloud 1 N IN.				12.21
11/02	1845	Bonpas Creek..... Browns IL.				14.17
11/04	1500	Browns IL.				14.75
11/11	2200	Browns IL.				13.85
11/25	0600	Cicero Creek..... Speedway IN.				5.94
12/01	1530	Speedway IN.				5.91
		Crooked Creek.....				

11/24	Arcadia IN.		3.50
2145			
	DEER CREEK.....		
12/01	DELPHI 2.6 NE IN.		6.04
2000			
	EAST FORK WHITE R.....		
11/26	COLUMBUS IN.	9.0	2.37
0530			
	EAST FORK WHITEWATER.....		
11/25	ABINGTON IN.	12.0	5.47
0600			
	EEL RIVER...NORTH.....		
11/28	NORTH MANCHESTER IN.	7.0	8.23
0500			
	ADAMSBORO IN.	10.0	7.20
11/28			
1600			
	EMBARRAS RIVER.....		
11/03	Carmargo 2 SW IL.	12.0	7.16
0845			
11/05	Carmargo 2 SW IL.	12.0	7.09
0315			
12/02	Carmargo 2 SW IL.	12.0	9.88
0645			
11/12	STE MARIE IL.	19.0	12.60
2015			
12/02	STE MARIE IL.	19.0	15.20
0400			
11/03	LAWRENCEVILLE IL.	29.0	29.96
1706			

NWS FORM E-3 U.S. DEPARTMENT OF COMMERCE
 SERVICE AREA
 INDIANA
 NOAA, NATIONAL WEATHER SERVICE

HYDROLOGIC
 INDIANAPOLIS,

12/03/04 FLOOD STAGE REPORT

November 2004

CREST DATE	CREST TIME	STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD STAGE TO	CREST STAGE
12/02	1446	EMBARRAS RIVER..... LAWRENCEVILLE IL.	29.0			30.07
11/25	2245	FLATROCK RIVER..... ST. PAUL IN.	6.0			2.05
11/26	0745	Flatrock River..... Columbus IN.				6.00
11/25	0015	Indian-Kentuck Creek..... CANAAN 2 NE IN.				4.40
11/25	0600	Kokomo Creek..... KOKOMO 2 SE .				3.62
12/01	1000	KOKOMO 2 SE .				3.77
11/24	1900	LEARY-WEBER DITCH..... Mohawk IN.				4.09
11/25	0600	LITTLE RIVER..... HUNTINGTON 5 W IN.	15.0			11.38
11/04	1115	M.F. Vermilion River..... Oakwood 2 NE IL.				5.02
12/01	0845	Oakwood 2 NE IL.				7.26
11/11	2315	MIDDLE FORK ANDERSON..... BRISTOW IN.	15.0			11.52
11/02	2100	MILL CREEK..... CATARACT 3 E IN.	15.0			11.03

11/25 0600	CATARACT 3 E IN.	15.0	11.55
11/25 0100	MISSISSINEWA RIVER..... RIDGEVILLE 2 E IN.	11.0	9.55
11/25 1800	MARION 2 N IN.	10.0	5.28
11/12 0545	MUSCATATUCK RIVER..... Deputy 1WNW IN.	15.0	19.53
11/03 0515	N. F. EMBARRAS RIVER..... OBLONG 2 W IL.		13.70
11/05 0500	OBLONG 2 W IL.		11.94
11/12 2215	OBLONG 2 W IL.		13.47
11/20 0430	OBLONG 2 W IL.		11.30
11/26 0715	OBLONG 2 W IL.		16.24
12/02 0830	OBLONG 2 W IL.		14.74
11/02 1445	N.F. Vermilion River..... Bismarck 2 W IL.		8.77
11/04 1900	Bismarck 2 W IL.		8.55

NWS FORM E-3 U.S. DEPARTMENT OF COMMERCE
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November 2004

CREST DATE	CREST TIME	STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD STAGE TO	CREST STAGE
12/01	1930	N.F. Vermilion River..... Bismarck 2 W IL.				11.13
11/13	0001	Patoka River..... JASPER IN.	14.0			13.31
11/03	0500	Winslow IN.				18.25
11/12	0700	Winslow IN.				20.53
11/02	1700	PRINCETON 2 MI NE IN.	18.0			13.08
11/12	0100	PRINCETON 2 MI NE IN.	18.0			13.29
11/16	1400	PRINCETON 2 MI NE IN.	18.0			13.76
11/19	0700	PRINCETON 2 MI NE IN.	18.0			13.59
11/24	1859	Prairie Creek..... Lebanon 5 NW .				6.34
11/25	1500	SALAMONIE RIVER..... WARREN 2.4 NW IN.	12.0			9.53
11/12	1400	SILVER CREEK..... SELLERSBURG 2.4 SE IN.	20.0			18.72
11/24	2200	SELLERSBURG 2.4 SE IN.	20.0			8.65
11/11	1600	SOUTH FORK PATOKA R..... SPURGEON IN.	11.5			9.94
12/01	2200	SUGAR CREEK..... CRAWFORDSVILLE IN.	8.0			3.21
		SUGAR CREEK...SOUTH.....				

11/25	1630	EDINBURGH 2 NW IN.	10.0	6.86
		Salt Fork.....		
11/02	1200	St. Joseph 2 N IL.		6.66
12/01	0815	St. Joseph 2 N IL.		11.59
		South Fork Wildcat.....		
12/01	2015	LAFAYETTE 5 E .		5.52
		Stony Creek.....		
11/25	0345	Noblesville 1SE .	6.0	3.50
		TIPPECANOE RIVER.....		
12/03	1000	ORA 1 SW IN.	11.0	11.29
12/03	0300	WINAMAC IN.	10.0	8.57
12/02	0001	MONTICELLO IN.	9.0	7.80
12/01	1500	DELPHI 6 W IN.	8.0	7.53
		VERMILION RIVER.....		
11/04	1715	DANVILLE 2 SE IL.	18.0	8.65
12/01	1545	DANVILLE 2 SE IL.	18.0	13.51

NWS FORM E-3 U.S. DEPARTMENT OF COMMERCE
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12/03/04 FLOOD STAGE REPORT

November 2004

CREST DATE	CREST TIME	STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD TIME TO	STAGE	CREST STAGE
11/26	1700	WABASH RIVER..... LINN GROVE IN.	11.0				7.96
11/25	1200	BLUFFTON IN.	10.0				8.52
11/28	1400	WABASH IN.	12.0				11.35
11/28	1600	PERU IN.	20.0				9.84
11/28	1900	LOGANSPORT CICOTT ST IN.	17.0				8.78
11/05	2300	LAFAYETTE IN.	11.0				7.25
11/29	0600	LAFAYETTE IN.	11.0	11/26	0400		14.70
12/02	1200	LAFAYETTE IN.	11.0				14.98
11/06	1300	COVINGTON IN.	16.0				
11/06	1300	COVINGTON IN.	16.0				11.13
12/01	0500	COVINGTON IN.	16.0	11/27	0400		19.19
11/06	2000	MONTEZUMA IN.	14.0				9.97
12/02	1400	MONTEZUMA IN.	14.0	11/26	1630		19.94
11/07	0200	TERRE HAUTE WTR CORP IN.	14.0	11/28	0400		
11/07	0200	TERRE HAUTE WTR CORP IN.	14.0				8.06
11/07	1200	HUTSONVILLE IL.	16.0	11/28	0100		
11/07	1200	HUTSONVILLE IL.	16.0				11.40
11/06	2200	RIVERTON IN.	15.0	11/28	0700		
11/06	2200	RIVERTON IN.	15.0				10.08
11/03	0600	VINCENNES IN.	17.5				10.67
11/05	2300	VINCENNES IN.	17.5				10.78
11/03	0800	VINCENNES 1 W IN.	16.0				9.80
11/05	0800	VINCENNES 1 W IN.	16.0				9.70

	WEST FORK BLUE RIVER.....		
11/11 1600	Salem IN.	12.0	6.71
	WHITE RIVER.....		
11/25 1115	MUNCIE IN.	9.0	6.01
11/25 0900	CENTERTON IN.	603.0	5.35
11/28 0800	CENTERTON IN.	603.0	5.35
11/28 2300	SPENCER IN.	14.0	8.75
11/29 0800	WORTHINGTON IN.	18.0	14.68
11/29 0800	ELLISTON IN.	18.0	15.24
11/29 0100	NEWBERRY IN.	13.0	9.69
11/29 1900	EDWARDSPORT IN.	15.0	12.60
	WHITEWATER RIVER.....		
11/24 2145	ECONOMY 2 NW IN.		4.80
11/25 1200	ALPINE 2 NE IN.	14.0	10.47
11/25 2100	BROOKVILLE IN.	20.0	5.66
	WILDCAT CREEK.....		
12/01 1800	JEROME 1 SE IN.		5.26
12/01 2200	KOKOMO IN.	10.0	5.67
12/01 2045	Owasco IN.		4.87
12/01 2100	LAFAYETTE 4 NE IN.	10.0	8.21
	Whiskey Run.....		
11/11 1530	Marengo IN.	8.0	3.64

It is necessary to E-mail the following people:

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Young Joe

Another fella in IDEM

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

INDIANAPOLIS, INDIANA

MONTHLY REPORT OF RIVER AND
FLOOD CONDITIONS
2005

REPORT FOR:

MONTH: Dec 2004 - Jan

TO: Hydrometeorological Information Center
NOISE/Office of Hydrology, W/OH12x1
1325 East-West Highway, Room 7128
Service Area)
Silver Spring MD. 20910

SIGNATURE:

(In Charge of Hydrologic

Date: March 12, 2007

When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts and hydrologic products issued (WSOM E-41).



An **X** inside this box indicates that no flooding occurred within this hydrologic service area.

The state of Indiana had never experienced this during modern times; three natural weather disasters in four weeks. From December 22 through January 19, the state was struck by an epic snowstorm, a major ice storm and a great flood. Thousands of people were impacted by these events, some severely. Nearly the entire state was declared a federal disaster area.

The first three weeks of December were on the mild and at times wet side. A rare December tornado occurred on the 7th in Decatur County. But as winter approached, significant snow had not fallen in central and southern Indiana. This changed very quickly.

The polar front slipped south of the Ohio River and dropped temperatures well below freezing across the state of Indiana by the evening of the 21st. The epic snow storm began during the morning of the 22nd. By that evening heavy snow of 4 to nearly 10 inches had fallen generally south of I-70. The greatest totals were in southern Indiana where 10 inches had fallen.

There was a sharp cut off for this heavy snow. Much of the state north of I-70 did not see any snow. In the Indianapolis area, the Carmel and Brownsburg areas did not receive any snow while the Greenwood area measured 4 inches.

During the evening of the 22nd, the second band of snow moved in, blanketing all of central and southern Indiana.

Snow of 4 to more than 18 inches fell from this next storm system. Once again the heaviest snow fell in southern Indiana. This brought the accumulation in much of southern Indiana to more than 20 inches with some spots reporting more than 30 inches of total snow by the evening of the 23rd. Such snowfall amounts are historic not only in southern Indiana but for the entire state.

This epic snow storm closed I-64, I-65, I-74 and crippled I-70 in Indiana. This stranded hundreds of motorists in their vehicles for hours and some for a few days. A train derailment and collision also occurred in Crawford County as a result of the snow. Snow drifts of up to 4 feet occurred in much of southern Indiana.

The day before Christmas or Christmas day was the coldest day of the month and to date for the winter season in central and southern Indiana. Temperatures on the 24th did not exceed 10 degrees in much of the area. On Christmas morning, areas in southern Indiana had low temperatures in double digits below zero with a few locations reporting lower than twenty below zero. Southern Indiana and portions of central Indiana experienced the deepest Christmas snow cover ever and among the coldest Christmas of record.

Temperatures quickly moderated after Christmas as the polar front moved north of Indiana. On the 28th temperatures rose above freezing and remained above freezing through January 5. Field measurements on the 28th indicated that the snow cover had settled greatly. Snow cover in central and southern Indiana ranged from 5 to more than 12 inches. The snow to water equivalent ratio was about 5 inches of snow to 1 inch of water. Much of central Indiana had 1 to 1.25 inches of water equivalent. Water equivalents in southern Indiana were even higher and measured 1.5 to more than 2.5 inches.

All of the snow cover melted by New Year's Day as the dew point temperatures rose into the 50s. Lowland flooding occurred along the East Fork White River in Jackson County. The White River in southern Indiana rose to bankfull levels. This was the result of the melting snow cover.

With warm air over Indiana, a storm system brought 2 to 4 inches of rain to much of central and southern Indiana from the 1st through the 3rd. Because of the saturated soil

conditions, widespread local flooding occurred in central and southern Indiana. The major rivers in the state were flooding by the 4th.

Another storm system quickly followed from the 4th through the 6th. This storm system tracked across southern Indiana and brought 2 to possibly 5 inches of rain to central and southern Indiana. Because much of this rain fell as freezing rain just north of Indianapolis, two very significant weather events occurred; a major ice storm and flood.

Ice accumulations ranged from ½ to more than an inch in much of central and northern Indiana on the 5th and 6th. The combination of ice and wind caused widespread power outages. While the Indianapolis area was spared, areas just north of Indianapolis were not. Because of the extensive number of downed power lines and icy roads in Randolph County, only emergency vehicles were allowed on local roads.

At least 180,000 customers in the Lafayette, Muncie, Kokomo, Peru, Anderson and other areas lost electrical power. Some areas were without power for more than a week. During this time temperatures approached zero degrees.

Major flooding resulted along the White, East Fork White and Wabash River in southern Indiana. Flood levels that had not been seen in 40, 50 or more than 90 years occurred just south of the Indianapolis area. New record stages were set at the White River at Edwardsport and the Wabash River at Mount Carmel. The White River at Hazleton approached its record stage.

Flooding in southern Indiana was much worse than the January 1991 flood. Areas affected in the January 1991 flood were affected again and more severely. These included Shelbyville, Rushville, Seymour, Wheeler Hollow, Bedford, Shoals, Spencer, Elnora, Edwardsport, Petersburg area, Hazleton, East Mount Carmel and New Harmony. Numerous state roads and local roads flooded by several feet. Many local agricultural levees were overtopped.

As this flood unfolded, cold air behind this storm system shut off the rain but left several inches of snow covering central and northern Indiana on the 7th and 8th. Flooding fighting in southern Indiana occurred during rather harsh

January conditions from the 7th through the 10th. Milder conditions returned on the 11th.

Some of the significant events during this flood include:

Columbus, a large city in southern Indiana, had only one access road to I-65 causing long traffic delays.

Sandbagging efforts to save a power substation that served much of Rushville.

A flood fight in Shelbyville to keep the Big Blue River from portions of the town.

At least 70% of Jackson County was flooded. Evacuations occurred in Rockford, Shields and Brownstown areas.

A levee failed along the Eel River in the Jasonville area. Flood waters rose to within 10 inches of a power box for the Jasonville water system. Power was shut down and the town lost its water until flood levels receded.

Wastewater treatment service for much of the town of Spencer was suspended because of excess river water. This closed nearly all the restaurants in town. Flood waters were within 2 ½ blocks of the Owen county courthouse.

Flood waters at the Columbus wastewater treatment plant reached so high that employees were evacuated. The plant was operated by the automated system for 12 hours.

Personnel of the Indiana National Guard waged a major flood fight to save the Hazleton levee that protected nearly ½ of the town. At times the levee partially failed but was reinforced.

Personnel of the Indiana National Guard sandbagged at State Road 64 to protect East Mount Carmel, Indiana. Sandbagging occurred on the Illinois side near Rochester.

Potential major problems at the Edwardsport Power Plant on the White River were averted.

Coal shipment to a major power plant in Gibson County was threatened by high levels on the Wabash River. The situation was monitored closely.

Local sandbagging in the Elnora area saved several homes.

While major flooding was spreading throughout southern Indiana, central Indiana experienced extensive flooding on the White River from Muncie through Indianapolis and the Wabash River from Lafayette to Vincennes. Sandbagging was necessary in Anderson and Ravenswood areas.

The warmer temperatures on the 11th began to melt the snow and ice that covered central and northern Indiana. An additional 1 to 4 inches of rain fell in much of central Indiana late on the 11th. This caused flash flooding in portions of Delaware, Madison, Tipton and Howard Counties. The most serious flooding was in the towns of Alexandria and Kokomo. Significant flooding occurred in Albany and Eaton.

Flooding returned to the White River in central Indiana as a result of the rain on the 11th. After reaching a crest, the Wabash River from Lafayette to Vincennes began to rise again.

January 12 was the warmest and one of the driest days in the New Year. Temperatures in central and southern Indiana soared into the 60s. The mild conditions were short lived.

As the polar front pushed through Indiana on the 13th, an additional 1 to 3 inches of rain fell in central and southern Indiana. This rain caused widespread local flooding. Major flooding developed along the White River in Hamilton and northern Marion Counties. Flood levels approached those of January 1991 in this area. Evacuations occurred in the Ravenswood area. Some homes had their power turned off because of high water levels.

Major flooding developed on the Wabash River from Lafayette to Vincennes as a result of the rain on the 13th. Flood levels in the Lafayette and Covington areas reached their highest levels since July 2003. Flooding from Montezuma to near Vincennes was the highest since June 1958.

As this major flood crest was moving downstream along the Wabash River, flood fighting occurred under very brutal conditions. Temperatures fell below freezing late on the 14th. Snow of 1 to 4 inches fell in much of eastern Illinois and central Indiana on the 16th. Temperatures dropped below zero on the 17th and 18th in the Hutsonville

and Vincennes areas. Temperature moderated to more normal levels by 19th.

Areas along the Wabash River most severely flooded included, Montezuma, Clinton, Taylorville and Riverview in Indiana and Darwin, York, and Hutsonville in Illinois. Flood waters overtopped many local agricultural levels. Flood waters affected the cemetery at Palestine, Illinois.

As the Wabash River approached record levels at Hutsonville, the Island Creek levee across from the Hutsonville Power Plant failed during the late evening on the 17th. The level of the Wabash River fell 5 inches immediately in the town of Hutsonville. Daylight revealed the levee breach was 300 to 500 feet wide and covered more than 5,000 acres of farmland with 7 to 8 feet of flood waters. This breach flooded State Road 154 between Hutsonville and Graysville. Now a short 5 mile drive for local residents was a 70 mile one way journey.

The breach of the Island Creek levee caused the Wabash River to crest immediately at Hutsonville and very soon afterwards at Riverton. The river crested at Vincennes within a day after the levee failure. Water flowing back into the river from the area protected by the Island Creek levee caused another crest at Riverton and Vincennes. This crest was slightly lower than the first crest after the breach.

Rain on the 11th and 13th fell as the rivers were near crest in the Petersburg, Hazleton and Mount Carmel areas. The combination of rain and very cold temperatures hindered flood fighting in these areas. By the 13th the rivers crested at Petersburg, Hazleton, Mount Carmel and New Harmony. Flood waters would continue to recede for the remainder of January, although at times very slowly. The flood crest at New Harmony was the highest since January 1950.

Another crest followed the major flood that had occurred along the White and East Fork White Rivers in much of southern Indiana. This crest was 2 to 3 feet lower on the White River from Centerton to Edwardsport. On the East Fork White River this crest was more than 8 feet lower in the Columbus and Bedford areas and 1 ½ feet lower at Seymour. These crests washed out as they approached Petersburg.

The great flood of January 2005 began to wind down at all locations on the 20th. Mother Nature had thrown every type of severe winter weather at the residents in the Wabash River Valley. Upwards of 30 inches of snow and 12 inches of melted precipitation had fallen during the prior 30 days.

By the end of January flooding had ended everywhere in the Wabash River Valley except for lowland flooding along portions of the Wabash River. Millions of dollars in flood damage had occurred since the beginning of winter. The great flood of January 2005 was the most extensive in areal coverage for Indiana since March 1913 and possibly unprecedented. At least 4,000 homes and businesses flooded and more than 7,000 people displaced. One person died while attempting to cross the extensively flooded Wabash River in Warren County.

Monthly temperatures averaged near normal during December and about 4 degrees above normal for January. The warmest day during December was the 7th and during January the 12th. Temperatures soared into the 60s on both days. The coldest temperatures during December occurred on the 24th or 25th and during January on the 18th. Temperatures dropped below zero in most areas on those dates.

The temperature fell below 33 degrees more than 20 days during both months. The temperature fell below 1 degree on about 2 days during December and January. The temperature remained below 33 degrees on about 8 days in December and about 12 days in January.

Melted precipitation was below normal in December. Observers reported between 2 and 3 inches. January 2005 was the 3rd wettest January of record for Indianapolis and the wettest January since 1950. Much of central and southern Indiana received 7 to more than 9 inches of melted precipitation.

Snowfall was above normal during December. Observers reported record monthly snow for much of southern Indiana. Amounts ranged from 10 to more than 30 inches. The heaviest snow was in southern Indiana. During January snowfall ranged from less than an inch in southern Indiana to more than 18 inches in northern portions of Indiana. Snowfall was generally above average north of I-70.

At the end January, the ground was at least partially frozen and very wet in central and southern Indiana. Portions of central and northern Indiana were covered with 1 to more than 5 inches of snow.

NWS FORM E-3 U.S. DEPARTMENT OF COMMERCE
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 INDIANA

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NOAA, NATIONAL WEATHER SERVICE

2/04/05 FLOOD STAGE REPORT

January 2005

CREST DATE	CREST TIME	STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD TIME	STAGE TO	CREST STAGE

Big Blue River.....							
1/04	0745	Carthage IN.	7.0				8.61
1/06	0515	Carthage IN.	7.0				11.22
1/12	0800	Carthage IN.	7.0				9.01
1/14	0200	Carthage IN.	7.0				8.86
1/06	1600	Shelbyville IN.	11.0				18.43
1/13	2100	Shelbyville IN.	11.0				14.05
1/14	1645	Shelbyville IN.	11.0				14.21
Big Creek.....							
12/31	0400	Wadesville 1.6 SE IN.					16.06
1/03	1630	Wadesville 1.6 SE IN.					15.36
1/06	0800	Wadesville 1.6 SE IN.					18.46
1/13	2045	Wadesville 1.6 SE IN.					15.45
Big Raccoon Creek.....							
1/04	0800	Fincastle 3 W IN.	11.0				12.98
1/06	0300	Fincastle 3 W IN.	11.0				12.76
1/12	0800	Fincastle 3 W IN.	11.0				10.39
1/13	2300	Fincastle 3 W IN.	11.0				10.55
1/04	0600	Coxville IN.	14.0				14.13
1/06	0001	Coxville IN.	14.0				14.46
1/12	0001	Coxville IN.	14.0				12.99
1/13	2200	Coxville IN.	14.0				13.88

	Big Walnut Creek.....		
	Roachdale 3.5 SE IN.		11.08
1/03	1200		
	Roachdale 3.5 SE IN.		9.03
1/12	1445		
	Roachdale 3.5 SE IN.		8.79
1/13	1245		
	Reelsville IN.	12.0	15.32
1/04	1600		
	Reelsville IN.	12.0	16.29
1/06	1000		
	Reelsville IN.	12.0	12.00
1/12	0800		
	Reelsville IN.	12.0	14.02
1/14	0300		
	Blue River.....		
	Fredericksburg IN.	20.0	16.00
12/31	1400		
	Fredericksburg IN.	20.0	20.31
1/04	0030		
	Fredericksburg IN.	20.0	19.94
1/05	2200		
	Fredericksburg IN.	20.0	21.26
1/06	1330		
	White Cloud 1 N IN.		12.09
12/31	2145		
	White Cloud 1 N IN.		14.30
1/04	1230		
	White Cloud 1 N IN.		16.99
1/06	1000		
	Bonpas Creek.....		
	Browns IL.		11.58
12/31	0215		
	Browns IL.		21.72
1/07	0715		
	Browns IL.		17.05
1/15	0630		
	Brush Creek.....		
	Nebraska IN.		6.81
12/30	2315		
	Nebraska IN.		7.41
1/05	0930		

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2/04/05 FLOOD STAGE REPORT

January 2005

CREST DATE	CREST TIME	STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD TIME	STAGE TO	CREST STAGE

-- ----							
Brush Creek continued.....							
1/05	2345	Nebraska IN.					6.23
Buck Creek.....							
1/04	0730	Acton IN.	9.0				9.49
1/06	0230	Acton IN.	9.0				12.58
1/12	0600	Acton IN.	9.0				9.31
1/13	2130	Acton IN.	9.0				10.68
Buck Creek (South).....							
1/03	1030	New Middletown 3.6 SW IN.	12.0				6.73
1/06	0730	New Middletown 3.6 SW IN.	12.0				7.17
Cicero Creek.....							
1/04	0445	Arcadia IN.					10.25
1/05	2330	Arcadia IN.					11.02
1/07	0115	Arcadia IN.					11.19
1/13	1245	Arcadia IN.					12.44
Clifty Creek.....							
12/31	1200	Hartsville IN.	10.0				6.39
1/03	2100	Hartsville IN.	10.0				8.02
1/06	0400	Hartsville IN.	10.0				9.43
Crooked Creek.....							
1/03	0730	Speedway IN.					6.31
1/03	2200	Speedway IN.					8.22

	Speedway IN.			7.95
1/05	1700			
	Speedway IN.			6.67
1/13	1200			
	Deer Creek.....			
	Delphi 2.6 NE IN.			8.43
1/06	0400			
	Delphi 2.6 NE IN.			10.59
1/12	1900			
	Delphi 2.6 NE IN.			11.19
1/13	1815			
	Eagle Creek.....			
	Zionsville IN.	9.0		9.75
1/04	0145			
	Zionsville IN.	9.0		10.25
1/05	2100			
	Zionsville IN.	9.0		9.51
1/12	0515			
	Zionsville IN.	9.0		8.95
1/13	1930			
	Speedway IN.	9.0		9.52
1/04	1000			
	Speedway IN.	9.0		11.12
1/05	1600			
	Speedway IN.	9.0		9.75
1/06	0730			
	Speedway IN.	9.0		8.58
1/12	1415			
	East Fork White River.....			
	Columbus IN.	9.0		5.46
1/01	1400			
	Columbus IN.	9.0	1/04 1300	9.25
1/04	1930			
	Columbus IN.	9.0	1/09	17.05
1/07	1130			
	Columbus IN.	9.0	1/13 2300	1/16 10.80
1/14	2330			
	Rockford IN.	12.0	12/31 1430	15.20
1/02	0100			

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East Fork White River continued.....							
1/06	2300	Rockford IN.	12.0				19.40
1/14	1700	Rockford IN.	12.0			1/18	17.68
1/09	0500	Rivervale IN.	20.0	1/03	1230		37.51
1/17	0300	Rivervale IN.	20.0			1/20	27.57
1/09	1800	Bedford Boat Club 4 SW IN.	20.0	1/04	0700		34.65
1/17	1000	Bedford Boat Club 4 SW IN.	20.0			1/20	24.50
1/09	2130	Williams IN.	8.0	1/06	1500		21.30
1/18	0700	Williams IN.	8.0			1/20	10.90
1/01	1400	Shoals IN.	20.0				10.02
1/11	0100	Shoals IN.	20.0	1/05	0115	1/20	33.22
East Fork Whitewater River.....							
1/03	1600	Abington IN.	12.0				12.03
1/06	0030	Abington IN.	12.0				15.36
1/12	0330	Abington IN.	12.0				12.22
Eel River.....							
1/06	0600	Bowling Green IN.	17.0	1/03	1930	1/08	21.58
1/12	2200	Bowling Green IN.	17.0				16.40
1/14	0800	Bowling Green IN.	17.0	1/13	1230	1/14	19.13
Eel River (North).....							
1/04	0815	North Manchester IN.	7.0				9.70
1/05	1215	North Manchester IN.	7.0				9.45

	North Manchester	IN.	7.0	12.94
1/13	2045			
	Adamsboro	IN.	10.0	8.07
1/04	2000			
	Adamsboro	IN.	10.0	8.21
1/05	2000			
	Adamsboro	IN.	10.0	10.89
1/14	0900			
	Embarras River.....			
	Carmargo 2 SW	IL.	12.0	14.46
1/14	0345			
	Ste Marie	IL.	19.0	24.92
1/06	1830			
	Ste Marie	IL.	19.0	20.31
1/14	0530			
	Ste Marie	IL.	19.0	20.18
1/15	1530			
	Lawrenceville	IL.	29.0	40.49
1/08	2041			
	Lawrenceville	IL.	29.0	37.72
1/15	1151			
	Fall Creek.....			
	Fortville 2 NW	IN.	8.0	8.18
1/04	2100			
	Fortville 2 NW	IN.	8.0	9.26
1/06	1300			
	Fortville 2 NW	IN.	8.0	8.09
1/12	2200			
	Fortville 2 NW	IN.	8.0	7.94
1/14	1300			
	Millersville	IN.	9.0	11.16
1/04	1145			
	Millersville	IN.	9.0	13.71
1/06	1300			
	Millersville	IN.	9.0	11.53
1/13	2300			
	Flatrock River.....			
	St. Paul	IN.	6.0	4.72
12/31	2015			
	St. Paul	IN.	6.0	6.84
1/03	2300			
	St. Paul	IN.	6.0	12.87
1/06	1300			

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Flatrock River continued.....						
1/01	1015	Columbus IN.				10.59
1/04	1330	Columbus IN.				13.26
1/07	0430	Columbus IN.				16.44
1/12	2130	Columbus IN.				10.17
1/14	1545	Columbus IN.				12.26
Indian-Kentuck Creek.....						
12/31	0145	Canaan 2 NE IN.				6.36
1/03	1115	Canaan 2 NE IN.				7.84
1/03	1500	Canaan 2 NE IN.				7.11
1/05	1100	Canaan 2 NE IN.				8.16
1/06	0030	Canaan 2 NE IN.				7.70
1/13	2030	Canaan 2 NE IN.				6.40
Kokomo Creek.....						
1/06	0200	Kokomo 2 SE IN.				7.32
1/12	0600	Kokomo 2 SE IN.				9.26
1/13	2100	Kokomo 2 SE IN.				7.87
Leary-Weber Ditch.....						
1/05	1845	Mohawk IN.				6.29
Lick Creek.....						
1/05	1545	Beech Grove IN.	7.0			6.25
1/13	1230	Beech Grove IN.	7.0			5.08

	Little Buck Creek.....		
	Indianapolis IN.		7.24
1/05	0730		
	Indianapolis IN.		8.07
1/05	1745		
	Indianapolis IN.		7.32
1/13	1345		
	Little Eagle Creek.....		
	Speedway IN.		6.44
1/03	2115		
	Speedway IN.		6.46
1/05	1515		
	Little River.....		
	Huntington 5 W IN.	15.0	13.43
1/04	0001		
	Huntington 5 W IN.	15.0	13.17
1/05	1000		
	Huntington 5 W IN.	15.0	17.44
1/14	0300		
	Middle Fork Anderson River.....		
	Bristow IN.	15.0	12.06
1/01	1200		
	Bristow IN.	15.0	13.73
1/03	1000		
	Bristow IN.	15.0	13.95
1/06	0500		
	Middle Fork Vermilion River.....		
	Oakwood 2 NE IL.		12.23
1/14	0845		
	Mill Creek.....		
	Cataract 3 E IN.	15.0	9.65
12/31	0100		

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-- ----							
Mill Creek continued.....							
1/06	1900	Cataract 3 E IN.	15.0				20.73
1/10	0300	Cataract 3 E IN.	15.0				10.26
1/12	2100	Cataract 3 E IN.	15.0				12.78
1/14	1400	Cataract 3 E IN.	15.0				15.51
1/04	0100	MANHATTAN 5 S IN.	12.0				11.58
1/05	2300	MANHATTAN 5 S IN.	12.0				13.75
1/12	2200	MANHATTAN 5 S IN.	12.0				10.91
Mississinewa River.....							
1/04	0300	Ridgeville 2 E IN.	11.0				13.65
1/06	0300	Ridgeville 2 E IN.	11.0				14.45?
1/12	0700	Ridgeville 2 E IN.	11.0				15.51
1/12	1700	Ridgeville 2 E IN.	11.0				15.43
1/13	1700	Ridgeville 2 E IN.	11.0				13.94
1/04	1100	Marion 2 N IN.	10.0				10.49
1/06	0900	Marion 2 N IN.	10.0				12.89
1/12	2100	Marion 2 N IN.	10.0				15.38
1/13	2000	Marion 2 N IN.	10.0				15.83
Muscatatuck River.....							
12/31	0330	Deputy 1WNW IN.	15.0				20.31
12/31	1445	Deputy 1WNW IN.	15.0				21.06
1/03	2315	Deputy 1WNW IN.	15.0				22.68

	Deputy 1WNW IN.	15.0	23.50
1/05	1800		
	Deputy 1WNW IN.	15.0	24.03
1/06	1000		
	Deputy 1WNW IN.	15.0	17.57
1/14	0645		
	Vernon 1SW 1 SW IN.	17.0	13.35
12/31	0930		
	Vernon 1SW 1 SW IN.	17.0	13.69
1/03	1730		
	Vernon 1SW 1 SW IN.	17.0	18.03
1/05	1500		
	Vernon 1SW 1 SW IN.	17.0	16.24
1/06	0630		
	Vernon 1SW 1 SW IN.	17.0	12.16
1/14	0100		
	Wheeler Hollow IN.	16.0	28.00*
1/08	1700?		
	North Fork Embarras River.....		
	Oblong 2 W IL.		21.51
1/05	2130		
	North Fork Vermilion River.....		
	Bismarck 2 W IL.		16.08
1/14	0330		
	Patoka River.....		
	Cuzco IN.		8.20
1/03	1900		
	Cuzco IN.		8.67
1/06	0600		
	Jasper IN.	14.0	13.75
1/01	1300		
	Jasper IN.	14.0	15.32
1/06	1900		
	Jasper IN.	14.0	11.98
1/14	0700		
	Winslow IN.		20.03
12/31	1500		
	Winslow IN.		26.13
1/08	0800		
	Princeton 2 MI NE IN.	18.0	22.60
1/11	0001		

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Pipe Creek.....							
12/31	1700	Frankton PIPE CREEK IN.	12.0				6.70
1/04	0900	Frankton PIPE CREEK IN.	12.0				10.53
1/06	0630	Frankton PIPE CREEK IN.	12.0				12.16
1/12	1500	Frankton PIPE CREEK IN.	12.0				14.26
1/14	0300	Frankton PIPE CREEK IN.	12.0				11.76
Pleasant Run.....							
1/03	0600	Arlington Ave in IND IN.					5.63
1/05	0215	Arlington Ave in IND IN.					6.47
1/05	1145	Arlington Ave in IND IN.					6.00
1/05	1545	Arlington Ave in IND IN.					6.44
1/11	1330	Arlington Ave in IND IN.					5.78
1/13	0930	Arlington Ave in IND IN.					6.31
Plum Creek.....							
1/03	2000	Bainbridge IN.					4.87
1/05	1245	Bainbridge IN.					3.59
Prairie Creek.....							
1/03	2314	Lebanon 5 NW IN.					10.06
1/05	1959	Lebanon 5 NW IN.					11.57
1/11	2344	Lebanon 5 NW IN.					11.75
1/13	1714	Lebanon 5 NW IN.					11.20
Salamonie River.....							

	Warren 2.4 NW IN.	12.0	12.15
1/04	1200		
	Warren 2.4 NW IN.	12.0	13.25
1/06	0300		
	Warren 2.4 NW IN.	12.0	15.16
1/12	2100		
	Warren 2.4 NW IN.	12.0	14.98
1/14	0500		
	Salt Creek.....		
	Harrodsburg 2 SE IN.	25.0	13.48
12/31	1300		
	Harrodsburg 2 SE IN.	25.0	21.04
1/03	2300		
	Harrodsburg 2 SE IN.	25.0	26.10
1/06	0600		
	Harrodsburg 2 SE IN.	25.0	20.89\$
1/08	0800		
	Harrodsburg 2 SE IN.	25.0	22.40
1/10	0100		
	Harrodsburg 2 SE IN.	25.0	18.36\$
1/13	1100		
	Harrodsburg 2 SE IN.	25.0	20.48
1/13	2300		
	Salt Fork.....		
	St. Joseph 2 N IL.		17.34
1/13	2215		
	Silver Creek.....		
	Sellersburg 2.4 SE IN.	20.0	16.14
12/31	1700		
	Sellersburg 2.4 SE IN.	20.0	20.01
1/04	0800		
	Sellersburg 2.4 SE IN.	20.0	21.31
1/06	1900		
	South Fork Patoka River.....		
	Spurgeon IN.	11.5	8.26
12/30	1945		
	Spurgeon IN.	11.5	9.42
1/03	1030		

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South Fork Patoka River continued.....							
1/06	0230	Spurgeon IN.	11.5				10.98
1/13	1615	Spurgeon IN.	11.5				7.15
South Fork Wildcat Creek.....							
1/04	0715	Lafayette 5 E IN.					7.95
1/06	0315	Lafayette 5 E IN.					10.53
1/12	1345	Lafayette 5 E IN.					13.75
1/13	0030	Lafayette 5 E IN.					13.26
1/13	1615	Lafayette 5 E IN.					12.46
Stony Creek.....							
1/04	0515	Noblesville 1SE IN.	6.0				6.48
1/05	2330	Noblesville 1SE IN.	6.0				7.49
1/12	0815	Noblesville 1SE IN.	6.0				6.69
1/13	2300	Noblesville 1SE IN.	6.0				6.62
Sugar Creek.....							
1/04	1000	Crawfordsville IN.	8.0				6.01
1/06	1100	Crawfordsville IN.	8.0	1/05	2030	1/06	8.78
1/12	2300	Crawfordsville IN.	8.0	1/12	0530		9.04
1/13	1400	Crawfordsville IN.	8.0			1/14	8.80
Sugar Creek (South).....							
1/06	0001	New Palestine IN.	8.0				10.80
1/12	1300	New Palestine IN.	8.0				7.89

	New Palestine IN.	8.0	9.68
1/13	2015		
	Edinburgh 2 NW IN.	10.0	16.95
1/06	1930		
	Edinburgh 2 NW IN.	10.0	13.66
1/14	2000		
	Tippecanoe River.....		
	Ora 1 SW IN.	11.0	11.97
1/06	1800		
	Ora 1 SW IN.	11.0	15.00?
1/15	1000		
	Winamac IN.	10.0	9.54
1/07	0700		
	Winamac IN.	10.0	13.27
1/16	0900		
	Monticello IN.	9.0	17.81
1/13	1800		
	Delphi 6 W IN.	8.0	7.43
1/04	1100		
	Delphi 6 W IN.	8.0	7.91
1/05	2100		
	Delphi 6 W IN.	8.0	7.90
1/06	0600		
	Delphi 6 W IN.	8.0	10.49
1/13	0100		
	Delphi 6 W IN.	8.0	12.33
1/14	0100		
	Vermilion River.....		
	Danville 2 SE IL.	18.0	18.05
1/06	1830		
	Danville 2 SE IL.	18.0	18.31
1/12	1745		
	Danville 2 SE IL.	18.0	22.74
1/14	1245		
	Wabash River.....		
	Linn Grove IN.	11.0	12.73
1/06	2300		
	Linn Grove IN.	11.0	13.73
1/13	2000		
	Bluffton IN.	10.0	14.69
1/07	1000		

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Wabash River continued.....							
1/14	0400	Bluffton IN.	10.0				17.19
1/20	1300	Huntington IN.	20.0				15.96
1/04	0100	Wabash IN.	12.0				13.14
1/12	1600	Wabash IN.	12.0				16.34
1/13	1900	Wabash IN.	12.0				15.60
1/12	2200	Peru IN.	20.0				13.36
1/04	0700	Logansport IN.	17.0				10.40
1/05	1900	Logansport IN.	17.0				10.35
1/12	2200	Logansport IN.	17.0				12.42
1/13	2000	Logansport IN.	17.0				13.36
1/06	1700	Lafayette IN.	11.0	1/03	1230		19.87
1/14	1600	Lafayette IN.	11.0			2/02	25.03
1/08	0001	Covington IN.	16.0	1/04	0200		24.85
1/15	1000	Covington IN.	16.0			1/31	28.87
1/07	1600	Montezuma IN.	14.0	1/03	1630		26.74
1/15	1400	Montezuma IN.	14.0			2/04	30.89
1/15	2300	Clinton IN.	18.0				31.00
1/08	2300	Terre Haute IN.	14.0	1/04	0015		22.84
1/16	1600	Terre Haute IN.	14.0			2/01	27.38
1/17	2300	Hutsonville IL.	16.0	1/03	2200		29.40@
1/19	0001	Hutsonville IL.	16.0			3/04	27.80

	Riverton IN.	15.0	1/03 2100		23.09
1/11	1000				
	Riverton IN.	15.0			26.24@
1/18	0030				
	Riverton IN.	15.0		2/07	25.97
1/19	1400				
	Red Skelton Bridge IN.	17.5	1/05 0745		25.95
1/11	1000				
	Red Skelton Bridge IN.	17.5			28.96@
1/18	1400				
	Red Skelton Bridge IN.	17.5		2/01	28.81
1/20	0500				
	Vincennes IN.	16.0	1/05 1200		24.57
1/10	1700				
	Vincennes IN.	16.0			27.15@
1/18	1630				
	Vincennes IN.	16.0		2/01	27.00
1/20	0745				
	Mount Carmel IL.	19.0	1/05 0300	1/29	33.95#
1/13	0700				
	New Harmony IN.	15.0			23.14
1/13	1800				
	West Fork Blue River.....				
	Salem IN.	12.0			9.22
1/03	1130				
	Salem IN.	12.0			7.51
1/05	0930				
	Salem IN.	12.0			7.62
1/06	0115				
	Whiskey Run.....				
	Marengo IN.	8.0			4.79
1/06	0115				
	White Lick Creek.....				
	Mooreville IN.	17.0			18.64
1/04	0300				
	Mooreville IN.	17.0			20.82
1/06	0001				
	Mooreville IN.	17.0			17.76
1/13	2000				
	White River.....				
	Muncie IN.	9.0	1/04 0745	1/05	9.77
1/04	1845				
	Muncie IN.	9.0	1/04 1200	1/07	11.87
1/06	1715				
	Muncie IN.	9.0	1/12 0130		11.06
1/12	2315				

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White River continued.....							
1/14	1430	Muncie IN.	9.0			1/14	9.68
1/04	2100	Anderson Waterworks IN.	10.0	1/04	0300		12.32
1/07	0100	Anderson Waterworks IN.	10.0			1/08	16.15
1/13	0001	Anderson Waterworks IN.	10.0	1/12	0230	1/15	15.02
1/05	0200	Anderson Raible Ave. IN.	10.0				12.49
1/07	0001	Anderson Raible Ave. IN.	10.0				15.24
1/13	0001	Anderson Raible Ave. IN.	10.0				14.92
1/07	0645	Noblesville IN.	14.0	1/04	0545	1/09	19.59
1/13	2300	Noblesville IN.	14.0	1/12	0145	1/16	21.00
1/07	0900	Nora IN.	11.0	1/04	0500	1/09	16.85
1/14	1300	Nora IN.	11.0	1/12	0430	1/16	18.45
1/07	0800	Ravenswood IN.	6.0	1/04	2300	1/09	10.60
1/14	1449	Ravenswood IN.	6.0	1/12	1600	1/17	11.80
1/07	0200	Broad Ripple Dam IN.	6.0				8.47
1/14	1300	Broad Ripple Dam IN.	6.0				9.44
1/07	0820	Rocky Ripple IN.	7.0				12.60
1/14	1000	Rocky Ripple IN.	7.0				14.30
1/04	1530	Indpls Raymond St. IN.	16.0				13.45
1/06	0015	Indpls Raymond St. IN.	16.0	1/05	1145	1/08	18.53
1/14	0845	Indpls Raymond St. IN.	16.0	1/13	0945	1/15	18.43
1/04	1500	Stout Power Plant IN.	10.0				9.75

	Stout Power Plant	IN.	10.0			13.83
1/06	0001					
	Stout Power Plant	IN.	10.0			13.19
1/14	0600					
	Centerton 1S	IN.	12.0	1/03	1500	15.00
1/04	1400					
	Centerton 1S	IN.	12.0		1/10	19.13
1/06	1000					
	Centerton 1S	IN.	12.0	1/11	2130	1/17 17.32
1/14	0600					
	Centerton	IN.	603.0	1/03	1800	1/10 611.70
1/06	1200					
	Centerton	IN.	603.0	1/11	2200	1/17 609.30
1/14	1000					
	Spencer	IN.	14.0	1/03	1630	25.08
1/07	0700					
	Spencer	IN.	14.0		1/19	22.84
1/15	1400					
	Worthington	IN.	18.0			28.60
1/08	0900					
	Worthington	IN.	18.0			26.11
1/16	0700					
	Elliston	IN.	18.0	1/03	1500	30.73
1/08	0800					
	Elliston	IN.	18.0		1/21	27.42
1/16	0700					
	Newberry	IN.	13.0	1/03	1430	26.84
1/08	1900					
	Newberry	IN.	13.0		1/21	23.44
1/16	2000					
	Edwardsport	IN.	15.0			11.50
1/02	0700					
	Edwardsport	IN.	15.0	1/04	0100	27.65#
1/09	1700					
	Edwardsport	IN.	15.0		1/23	24.50
1/18	0700					
	Petersburg Power Plt 3 NE		16.0			29.30
1/10	2345					
	Petersburg Power Plt 3 NE		16.0			25.73
1/18	1515					
	Petersburg	IN.	16.0	1/03	1300	27.68
1/11	1200					
	Petersburg	IN.	16.0		1/25	25.30
1/18	1700					
	Hazleton	IN.	16.0	1/03	1900	1/26 31.50
1/12	0400					
	Whitewater River.....					
	Economy 2 NW	IN.				7.54
1/03	2015					
	Economy 2 NW	IN.				7.81
1/05	1630					
	Economy 2 NW	IN.				7.70
1/11	2230					
	Alpine 2 NE	IN.	14.0			15.06
1/01	0001					

2/04/05 FLOOD STAGE REPORT

January 2005

CREST DATE	CREST TIME	STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD TIME	STAGE TO	CREST STAGE
Whitewater River continued.....							
1/04	0700	Alpine 2 NE IN.	14.0				16.86
1/04	1700	Alpine 2 NE IN.	14.0				16.84
1/06	0800	Alpine 2 NE IN.	14.0				20.94
1/12	1900	Alpine 2 NE IN.	14.0				17.56
1/14	0900	Alpine 2 NE IN.	14.0				15.85
1/03	1700	Brookville IN.	20.0				11.84
1/06	1300	Brookville IN.	20.0				19.34
1/12	0200	Brookville IN.	20.0				10.44
1/13	0300	Brookville IN.	20.0				11.25
1/14	0100	Brookville IN.	20.0				10.85
Wildcat Creek.....							
1/04	0945	Jerome 1 SE IN.					10.50
1/06	0300	Jerome 1 SE IN.					12.00?
1/12	1330	Jerome 1 SE IN.					13.63
1/14	0245	Jerome 1 SE IN.					11.77
1/06	1045	Kokomo IN.	10.0				12.51
1/13	0100	Kokomo IN.	10.0				15.82
1/13	0745	Kokomo IN.	10.0				15.82
1/08	0800	Owasco IN.					10.00?
1/14	1145	Owasco IN.					12.71
1/04	1400	Lafayette 4 NE IN.	10.0				10.90

	Lafayette 4 NE IN.	10.0	15.85
1/06	0900		
	Lafayette 4 NE IN.	10.0	18.40
1/12	1900		
	Lafayette 4 NE IN.	10.0	20.18
1/13	2200		
	Lafayette 4 NE IN.	10.0	20.27
1/14	0100		
	Youngs Creek.....		
	Amity IN.	7.0	8.45
1/04	0515		
	Amity IN.	7.0	11.38
1/06	0515		
	Amity IN.	7.0	9.26
1/14	0700		

New Record Crest Height.

@ Crest Height Affected by Island Creek Levee Failure.

? Estimate.

\$ Lowest Tailwater fell to before rising from local rainfall or backwater.

* SWG May be determined from High Water Mark at a later date.

It is necessary to E-mail the following people:

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