

The NWS 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: 2002
TO: Hydrometeorological Information Center NWS/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.

The cold, dry weather of late December persisted into the New Year. New Year's Day saw the lowest temperatures so far of the winter season in much of central and southern Indiana. Temperatures fell into the single digits. The cold weather did not last, as monthly temperatures averaged 6 to 8 1/2 degrees above normal.

The dry weather for much of the Indianapolis HSA continued through the 28th, while in southern portions of the HSA it lasted only through the 23rd. The period December 24th through January 28th at Indianapolis was the second driest of record. The record for this period was set last year.

Significant rainfall on the very last day of January brought the monthly totals to near normal for much of the HSA and above normal for the southern portion of the HSA. Monthly totals ranged from slightly more than an inch to nearly 4 inches.

This was the third consecutive month with above normal temperatures. The record warm temperatures near the end of the month allowed this January to tie as the 13th warmest of record at Indianapolis. This was the warmest January since 1998. The November through January period was the 4th warmest of record and the warmest in 70 years at Indianapolis.

Monthly snowfall in the HSA ranged from 2 to 5 inches and was below normal for January. Snow of 1 to 3 inches fell on the 6th and again on the 19th. These snowfalls only remained on the ground for about a day.

Two significant rainfall events occurred during the month. The first occurred on the 24th when 1/2 to nearly 3 inches fell in

southern Indiana near the Ohio River. This rain had a slight impact on the East Fork White and White Rivers.

The second event occurred from the 29th through the 31st. Rain of 1 to slightly more than 3 inches fell over much of the HSA. The heaviest rain fell in northern Indiana. This rainfall caused widespread lowland flooding that will be discussed in February's report. In northern Indiana, outside the Indianapolis HSA, a significant ice storm occurred.

After starting cold, January quickly warmed. Beginning on the 4th temperatures generally averaged above normal. After the 20th, maximum daily temperatures at Indianapolis were 45 degrees or higher. Near record or record temperatures occurred on the 28th and 29th when temperatures reached into the low to middle 60s. For the month, temperatures fell below 33 degrees on 22 to 24 days and never rose above 32 degrees on 3 to 4 days.

Measurable precipitation fell on 7 days during the month. Most locations in the Indianapolis HSA had 1 day with an inch or more of rain, while some southern HSA areas had two.

At the end of the month, the ground was very wet and the rivers steadily rising. Flooding had begun along several small streams and the Wabash and Tippecanoe Rivers in northern and western Indiana.

NWS Form E-3 U.S. Department of Commerce Hydrologic Service
Area NOAA, National Weather Service Indianapolis, Indiana

9/22/2006 Flood Stage Report

Time	Stream and Location	Flood Stage	Above Flood From	Flood Time	Stage To	Crest Stage	Crest Date
-	Blue River..... Fredericksburg IN.	20.0				9.08	1/24
1600	Bonpas Creek..... Browns IL.					9.32	1/24
2015	Buck Creek (South)..... New Middletown IN.	12.0				9.27	1/24
0600	East Fork White River..... Rivervale IN.	20.0				10.36	1/27
1000	HARBERTS CREEK..... Madison IN.	6.0				5.04	1/24
0600	Middle Fork Anderson River..... Bristow IN.	15.0				10.49	1/24
0700	Muscatatuck River..... Deputy IN.	15.0				15.79	1/24
1915	Vernon 1SW IN.	17.0				7.02	1/24
1330	Patoka River..... Princeton IN.	18.0				12.24	1/24
1100	Princeton IN.	18.0				12.32	1/27
0700	Silver Creek..... Sellersburg IN.	20.0				14.77	1/24
1559	South Fork Patoka River..... Spurgeon IN.	11.5				5.95	1/24
0615	West Fork Blue River..... Salem IN.	12.0				4.37	1/24
0700	Whiskey Run.....						

0445 Marengo IN.

8.0

3.57 1/24

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Beginning February 1, 1996, the Louisville, Kentucky office assumed the Hydrologic Service Area of the streams and rivers in the following south central and southwest Indiana counties: Dubois and Perry. This included the Anderson River along the Perry/Spencer county line.

Beginning February 1, 1996, the Paducah, Kentucky office assumed the Hydrologic Service Area of the streams and rivers in the following southwest Indiana counties: Gibson, Pike, Posey, Spencer, Vanderburgh and Warrick. This included the Wabash River in the New Harmony, Indiana area.

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Station File.

It is necessary to E-mail to the following people:

John the new boss.

Paula Cadwell

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Winter 2002 finally returned to the Indianapolis HSA at the end of February. Temperatures were above normal almost daily through the 25th. Cold polar air finally settled over the HSA from the 26th through 28th, when temperatures remained near or below freezing.

Despite winter's late return, this was the 4th consecutive month with above normal temperatures. For Indianapolis, the average temperature from November 1 through February 28 was the 5th highest of record and the warmest in 70 years. For the meteorological winter season, Indianapolis saw its 8th warmest winter of record and the warmest in 4 years.

Some of the warmest temperatures of the month occurred on the 24th and 25th, prior to the arctic outbreak. The coldest temperatures of the month and since the beginning of the year occurred on the last day of February. Temperatures fell into the single digits and low teens. The highest temperatures of the month for central Indiana occurred on the 9th when temperatures reached into the 60s. During February, temperatures fell below 33 degrees on 22 to 24 days and never rose above 32 degrees on 2 to 3 days.

Monthly snowfall was on a record setting low pace through the 25th. Only a trace had been reported at Indianapolis, for the first time in 50 years. Snowfall on the 26th and 27th was the greatest for the winter season to date in northern and central portions of the HSA. Snowfall ranged from less than an inch in southern areas to 8 inches in the northern areas of the HSA.

The combination of rain on the 25th and the 30 to 35 degree temperature drop in one day, snow and blowing snow caused numerous traffic accidents and a few traffic deaths in central

and northern Indiana on the 26th. Roads conditions improved on the 27th as wind and snow abated.

Although rainfall during February was below normal, the heavy rain at the end of January caused widespread lowland flooding in the HSA. The Wabash River in the Lafayette and Covington areas experienced its highest level since January 1999. Flood levels were slightly above autumn levels at Covington to about 1 foot above autumn levels at Lafayette. Flooding along the White, East Fork White and the remaining portion of the Wabash River were lower than December levels.

Rain of 1 to locally 2 inches in portions of northern and western Indiana on the 19th and 20th caused another flood along the Wabash River from Lafayette to near Vincennes. Flooding occurred from the 20th through the 27th. Flood levels were lower than those experienced in early February. Flooding during February affected idle agricultural lands and some state and local roads.

For the month, temperatures averaged 3 to 5 degrees above normal. Highest temperature were in the 60s on the 9th, 24th or 25th and the lowest temperatures were in the single digits on the 2nd or 28th.

Rainfall was below normal in much of the central and southern portions of the HSA. Above normal rainfall occurred in some northern and western sections. Rainfall ranged from around an inch to 3 inches for February. Rain fell on 6 to 8 days and some western and northern sections had 1 day with an inch of more of rain.

Snowfall was below normal in central and southern sections and near normal in the northern portions. Monthly snowfall ranged from 1 to 8 inches and occurred on the 26th and 27th.

The ground was snow covered for the first time at the end of February in central Indiana since 1993. The ground was not frozen very deeply and rivers were at normal levels.

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				6.12	2/01	1200
SHELBYVILLE IN.	11.0				9.95	2/02	0230
BIG RACCOON CREEK.....							
FINCASTLE 3 W IN.	11.0				10.03	2/01	1100
FINCASTLE 3 W IN.	11.0				6.28	2/20	2200
COXVILLE IN.	14.0				12.73	2/01	1000
COXVILLE IN.	14.0				9.33	2/20	2300
BIG WALNUT CREEK.....							
REELSVILLE IN.	12.0				12.04	2/01	0700
BLUE RIVER.....							
FREDERICKSBURG IN.	20.0				15.45	2/01	1230
BUCK CREEK.....							
NEW MIDDLETOWN 3.6 SW IN.	12.0				6.55	2/01	0500
ACTON IN.					9.82	2/01	1330
BUSSERON CREEK.....							
CARLISLE 2 NW IN.	16.0				12.25	2/01	1000
Bonpas Creek.....							
Browns IL.					17.01	2/02	2345
CLIFTY CREEK.....							
HARTSVILLE IN.	10.0				5.62	2/01	1030
DEER CREEK.....							
DELPHI 2.6 NE IN.					7.24	2/01	1115
DELPHI 2.6 NE IN.					5.28	2/20	1615
EAGLE CREEK.....							
ZIONSVILLE IN.	7.0				8.21	2/01	0600
SPEEDWAY IN.	9.0				7.73	2/01	1030
EAST FORK WHITE R.....							
COLUMBUS IN.	9.0				5.44	2/02	2230
SEYMOUR 2 N IN.	12.0	2/01	1230	2/04	14.79	2/02	0900
BEDFORD 8SE IN.	20.0	2/05	0045	2/06	20.93	2/05	2200
BEDFORD 4 SW IN.	20.0				17.00	2/06	0800
WILLIAMS IN.	8.0				7.10	2/06	0800
SHOALS HIWAY 50 BRID IN.	20.0				11.71	2/02	0700
SHOALS HIWAY 50 BRID IN.	20.0				12.57	2/06	1300
EAST FORK WHITEWATER.....							
ABINGTON IN.	12.0				8.19	2/01	0900
EEL RIVER.....							
BOWLING GREEN IN.	17.0				16.79	2/01	2000
EEL RIVER...NORTH.....							

NORTH MANCHESTER IN.	7.0	9.43	2/01	1305
ADAMSBORO IN.	10.0	8.71	2/01	2100

NWS FORM E-3 U.S. DEPARTMENT OF COMMERCE
 NOAA, NATIONAL WEATHER SERVICE
 2/28/02 FLOOD STAGE REPORT

HYDROLOGIC SERVICE AREA
 INDIANAPOLIS, INDIANA
 February 2002

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

EMBARRAS RIVER.....							
Carmargo 2 SW IL.	12.0				10.62	2/01	2115
Carmargo 2 SW IL.	12.0				9.11	2/21	0930
STE MARIE IL.	19.0				16.88	2/03	0315
STE MARIE IL.	19.0				10.24	2/21	0830
LAWRENCEVILLE IL.	11.0				14.60	2/03	1000
LAWRENCEVILLE IL.	11.0				14.70	2/05	1430
LAWRENCEVILLE IL.	29.0				32.04	2/05	0656
LAWRENCEVILLE IL.	29.0				26.79	2/22	0551
LAWRENCEVILLE IL.	29.0				24.23	2/26	2206
FALL CREEK.....							
FORTVILLE 2 NW IN.					7.39	2/01	2359
Geist Reservoir IN.					4.43	2/02	1000
MILLERSVILLE IN.	7.0				8.84	2/02	1400
FLATROCK RIVER.....							
ST. PAUL IN.					3.64	2/01	1430
HARBERTS CREEK.....							
Madison IN.	6.0				5.57	2/01	0400
LITTLE BUCK CREEK.....							
INDIANAPOLIS IN.					6.34	2/01	0300
LITTLE EAGLE CREEK.....							
SPEEDWAY IN.					5.18	2/01	0200
LITTLE RIVER.....							
HUNTINGTON 5 W IN.	15.0				14.53	2/01	0700
M.F. Vermilion River.....							
Oakwood 2 NE IL.					8.67	1/31	2300
Oakwood 2 NE IL.					7.98	2/20	0215
MIDDLE FORK ANDERSON.....							
BRISTOW IN.	15.0				12.83	2/01	0300
MILL CREEK.....							
CATARACT 3 E IN.	10.0				13.83	2/02	0100
MISSISSINAWA RIVER.....							
RIDGEVILLE 2 E IN.	10.0				13.57	2/01	0800
MARION 2 N IN.	10.0				9.62	2/01	1600
MUSCATATUCK RIVER.....							
Deputy 1WNW IN.	15.0				19.21	2/01	1215
VERNON 1SW 1 SW IN.	17.0				12.41	2/01	0830

WHEELER HOLLOW IN.	16.0	19.70	2/04 0800
N. F. EMBARRAS RIVER.....			
OBLONG 2 W IL.		17.38	2/02 0515
OBLONG 2 W IL.		12.48	2/21 0715

NWS FORM E-3	U.S. DEPARTMENT OF COMMERCE	HYDROLOGIC SERVICE AREA
2/28/02	NOAA, NATIONAL WEATHER SERVICE	INDIANAPOLIS, INDIANA
	FLOOD STAGE REPORT	February 2002

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

N.F. Vermilion River.....							
Bismarck 2 W IL.					13.06	2/01	1415
Bismarck 2 W IL.					12.36	2/20	1400
PATOKA RIVER.....							
JASPER IN.	14.0				14.02	2/02	1400
PRINCETON 2 MI NE IN.	18.0				15.25	2/01	0200
PRINCETON 2 MI NE IN.	18.0				16.09	2/08	1200
PIPE CREEK.....							
FRANKTON PIPE CREEK IN.	12.0				9.81	2/01	1500
SALAMONIE RIVER.....							
WARREN 2.4 NW IN.	12.0				11.66	2/01	1500
SALT CREEK.....							
HARRODSBURG 2 SE IN.	25.0				18.25	2/01	0800
SILVER CREEK.....							
SELLERSBURG 2.4 SE IN.	20.0				16.83	2/01	1659
SOUTH FORK PATOKA R.....							
SPURGEON IN.	11.5				10.04	2/01	0245
SUGAR CREEK.....							
CRAWFORDSVILLE IN.	8.0				5.59	2/01	1200
CRAWFORDSVILLE IN.	8.0				3.75	2/21	0200
SUGAR CREEK...SOUTH.....							
EDINBURGH 2 NW IN.	9.0				11.03	2/02	0200
NEW PALESTINE IN.	8.0				7.45	2/01	1200
NEW PALESTINE IN.	8.0				7.48	2/02	2030
TIPPECANOE RIVER.....							
ORA 1 SW IN.	11.0				12.12	2/03	0330
MONTICELLO IN.	9.0				10.63	2/01	0600
MONTICELLO IN.	9.0				6.82	2/20	2359
DELPHI 6 W IN.	8.0				8.90	2/01	0900
DELPHI 6 W IN.	8.0				7.35	2/20	1600
VERMILION RIVER.....							
DANVILLE 2 SE IL.	18.0				15.41	2/01	1030
DANVILLE 2 SE IL.	18.0				14.10	2/20	1730

WABASH RIVER.....							
LINN GROVE IN.	11.0				11.89	2/02	2100
WABASH IN.	12.0				13.08	2/01	0600
PERU IN.	20.0				12.10	2/01	1100
LOGANSPORT CICOTT ST IN.	17.0				10.84	2/01	1000
LAFAYETTE IN.	11.0	1/31	1815	2/07	18.43	2/02	1000
LAFAYETTE IN.	11.0	2/20	2330	2/22	12.24	2/21	1700
COVINGTON IN.	16.0	2/01	0515	2/08	22.07	2/04	0300
COVINGTON IN.	16.0	2/21	0930	2/23	17.29	2/22	1400
MONTEZUMA IN.	14.0	2/01	0215	2/10	21.82	2/04	1700
MONTEZUMA IN.	14.0	2/20	1745	2/25	18.32	2/22	1600

STREAM AND LOCATION	FLOOD STAGE	ABOVE FROM	FLOOD TIME	STAGE TO	CREST STAGE	CREST DATE	CREST TIME
WABASH RIVER continued.....							
TERRE HAUTE WTR CORP IN.	14.0	2/01	0945	2/10	18.97	2/05	1400
TERRE HAUTE WTR CORP IN.	14.0	2/21	1045	2/25	15.90	2/23	1800
HUTSONVILLE IL.	16.0	2/01	1900	2/12	21.00	2/07	2200
HUTSONVILLE IL.	16.0	2/22	0100	2/27	18.00	2/24	1800
RIVERTON IN.	15.0	2/01	2215	2/13	18.91	2/08	1900
RIVERTON IN.	15.0	2/22	0730	2/27	16.69	2/25	1100
VINCENNES IN.	17.5	2/07	2130	2/11	17.99	2/09	2359
VINCENNES IN.	17.5				15.05	2/26	1300
VINCENNES 1 W IN.	16.0	2/06	0800	2/12	16.70	2/09	1900
VINCENNES 1 W IN.	16.0				14.00	2/26	1830
MOUNT CARMEL IL.	19.0	2/04	1900	2/11	20.84	2/09	0400
MOUNT CARMEL IL.	19.0				13.40	2/25	2300
NEW HARMONY IN.	15.0				15.56	2/10	0200
NEW HARMONY IN.	15.0				10.08	2/27	0300
WEST FORK BLUE RIVER.....							
Salem IN.	12.0				7.03	2/01	0330
WHITE LICK CREEK.....							
MOORESVILLE IN.	15.0				15.87	2/01	0800
WHITE RIVER.....							
MUNCIE IN.	9.0	2/01	1945	2/02	9.07	2/01	2200
ANDERSON WATERWORKS IN.	10.0	2/01	1115	2/02	11.94	2/02	0200
ANDERSON SEWAGE PLAN IN.		2/01	1315	2/02	11.71	2/02	0300
NOBLESVILLE IN.	14.0	2/02	0102	2/03	14.89	2/02	1905
NORA IN.	11.0	2/02	1100	2/03	11.29	2/02	2359
BROAD RIPPLE DAM IN.					6.35	2/02	2359
INDIANAPOLIS MORRIS IN.	16.0				13.78	2/02	1845
STOUT GENERATING STA IN.	10.0				8.24	2/02	1900
CENTERTON 1 S IN.	12.0	2/01	0800	2/04	12.86	2/01	1500
CENTERTON IN.	603.0				602.60	2/04	0730
SPENCER IN.	14.0	2/01	1500	2/05	17.37	2/03	0500
WORTHINGTON IN.	18.0				21.60	2/03	0800
ELLISTON IN.	18.0	2/01	0700	2/10	22.85	2/04	0800
NEWBERRY IN.	13.0	2/01	1145	2/07	16.77	2/04	1600
EDWARDSPORT IN.	15.0	2/02	0700	2/08	19.20	2/05	1900
PETERSBURG 3 NE IN.	16.0				19.55	2/07	2000
PETERSBURG IN.	16.0	2/02	1645	2/09	19.69	2/07	1700
HAZLETON IN.	16.0	2/03	1700	2/11	19.60	2/08	0900
WHITewater RIVER.....							
ECONOMY 2 NW IN.					6.12	2/01	0400
ALPINE 2 NE IN.	14.0				14.61	2/01	1800
BROOKVILLE IN.	20.0				8.87	2/01	0900
WILDCAT CREEK.....							
JEROME 1 SE IN.					8.22	2/01	1245
KOKOMO IN.	10.0				8.59	2/01	2130
LAFAYETTE 4 NE IN.	10.0				10.42	2/01	1400
LAFAYETTE 4 NE IN.	10.0				7.60	2/20	2300
Whiskey Run.....							

Marengo IN.	8.0	4.61	2/01 0215
YOUNGS CREEK.....			
AMITY IN.		7.36	2/01 1830

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Station File.

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John the new boss.

Paula Cadwell

Paula Guarino

HIC

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Mike Koch

Wendy Pearson

Craig Hunter

Sol Summer

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The NWS FORM E-5	U.S. DEPARTMENT OF COMMERCE	HYDROLOGIC SERVICE AREA:
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION		
NATIONAL WEATHER SERVICE	INDIANAPOLIS, INDIANA	
MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS	REPORT FOR:	
	MONTH: March	YEAR: 2002
TO: Hydrometeorological Information Center NWS/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.

March 2002 was an active month for weather. After a very mild winter, there was more winter weather during March than the previous months. At times, the weather was very windy accompanied by large temperatures fluctuations. Thunderstorms broke out occasionally when cold fronts pushed across the area.

Frequent rains during the month and melting frozen precipitation from a late winter storm kept rivers high throughout March. Monthly temperatures averaged 1 1/2 to 2 degrees below normal. This was the first month since October with below average temperatures.

The northern portions of the HSA had its latest significant snow for the season since early April 1994. March 2002 also had the distinction of being only the 5th March since 1871 when the coldest winter temperature occurred.

March started out with normal temperatures, but an arctic air mass brought the coldest temperatures of the winter to Indiana on the 4th. Temperatures at most locations in the HSA dropped into the single digits with a few western locations near 0 degrees. Temperatures quickly rebounded and the warmest temperatures of the month occurred on the 8th. Most locations reached into the 70s.

A strong cold front pushed across the HSA on the 9th. Damaging winds in excess of 60 mph followed the passage of the cold front. Electric outages and roof damage to some homes occurred. Rainfall of slightly over an inch produced lowland flooding along portions of the Wabash River.

Spring like temperature returned from the 11th to the 15th. Another cold front set off thunderstorms in southern Indiana

during the evening of the 15th. Rainfall of up to 2 1/2 inches in southern Indiana produced lowland flooding along portions of the East Fork White and Muscatatuck Rivers on the 16th and 17th.

The southern portion of the HSA was brushed by a major rain event that affected Kentucky and Tennessee on the 17th and 18th. Rainfall of 1 to 2 inches from this storm system caused lowland flooding along portions of the East Fork White and White Rivers in southern Indiana.

Another blast of winter returned on the 21st and 22nd. Temperatures remained near freezing and winds blew over 20 mph for much of time on the 21st and 22nd.

For much of northern Indiana, the biggest winter storm of the season and the latest winter storm since 1994 occurred on the evening of the 25th and 26th. Snow of 3 to 9 inches fell in much Indiana north of a line from Clinton to Muncie. South of this line, but north of a line from Sullivan to Connersville, a mixture of rain, freezing rain, sleet and snow fell. In southern Indiana, rain of 1 1/2 to 2 inches fell producing lowland flooding along portions of the White and East Fork White River in southern Indiana.

Lowland flooding returned to the Wabash River and portions of the White River in central Indiana on the 30th and 31st. The combination of melting ice and snow on the 28th and 29th and nearly an inch of rain in portions of northern and east central Indiana on the 29th caused the flooding.

Flood levels experienced during March did not exceed early February levels in most areas. Flooding at the end of March continued into the first week of April in western and southern Indiana.

Rainfall was above normal in much of the HSA. Melted precipitation ranged from slightly less than 3 inches to nearly 8 inches. Rain fell on 11 to 13 days. Most southern sections of the HSA had 2 to 3 days with an inch or more of rain, while much of the central and northern areas had none.

Snowfall was below normal in central and southern sections and above normal in the northern portions. Monthly snowfall ranged from a trace to more than 10 inches.

The temperature fell below 33 degrees on 14 to 15 days during March. The temperature remained below 33 degrees on 2 to 3 days.

At the end of the month, rivers were high or flooding. Ground conditions were very wet and soils were cold.

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				4.33	3/09	2100
SHELBYVILLE IN.	11.0				8.20	3/26	0730
BIG RACCOON CREEK.....							
FINCASTLE 3 W IN.	11.0				8.03	3/30	0200
COXVILLE IN.	14.0				11.00	3/25	1800
BIG WALNUT CREEK.....							
Roachdale 3.5 SE IN.					8.74	3/09	1800
Roachdale 3.5 SE IN.					9.05	3/30	0200
REELSVILLE IN.	12.0				8.90	3/25	1600
BLUE RIVER.....							
FREDERICKSBURG IN.	20.0				13.53	3/20	1700
BUCK CREEK.....							
NEW MIDDLETOWN 3.6 SW IN.	12.0				8.31	3/26	0700
ACTON IN.	9.0				6.65	3/25	1630
BUSSERON CREEK.....							
CARLISLE 2 NW IN.	16.0				10.06	3/26	1630
Bonpas Creek.....							
Browns IL.					14.47	3/26	1130
CLIFTY CREEK.....							
HARTSVILLE IN.	10.0				4.63	3/16	0830
HARTSVILLE IN.	10.0				5.08	3/26	1230
EAGLE CREEK.....							
ZIONSVILLE IN.	9.0				6.76	3/29	2300
SPEEDWAY IN.	9.0				6.47	3/30	0545
EAST FORK WHITE R.....							
COLUMBUS IN.	9.0				5.33	3/27	0230
SEYMOUR 2 N IN.	12.0	3/16	1415	3/17	12.71	3/16	2000
SEYMOUR 2 N IN.	12.0	3/26	1215	3/30	15.77	3/27	0800
BEDFORD 8SE IN.	20.0	3/29	1115	3/31	20.77	3/30	0700
BEDFORD 4 SW IN.	20.0				17.60	3/30	0900
WILLIAMS IN.	8.0				7.40	3/29	2359
SHOALS HIWAY 50 BRID IN.	20.0				13.63	3/31	0300
EAST FORK WHITEWATER.....							
ABINGTON IN.	12.0				6.53	3/28	0200
EEL RIVER.....							
BOWLING GREEN IN.	17.0				14.71	3/26	0100
EEL RIVER...NORTH.....							
NORTH MANCHESTER IN.	7.0				7.32	3/10	0100
NORTH MANCHESTER IN.	7.0				7.69	3/31	0100
ADAMSBORO IN.	10.0				7.15	3/10	0800

ADAMSBORO IN. 10.0 7.58 3/31 0100

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

4/10/02	FLOOD STAGE REPORT	March 2002					
STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD TIME	STAGE TO	CREST STAGE	CREST DATE	CREST TIME
EMBARRAS RIVER.....							
Carmargo 2 SW IL.	12.0				8.68	3/10	1345
STE MARIE IL.	19.0				16.04	3/27	0345
STE MARIE IL.	19.0				13.94	3/29	2345
LAWRENCEVILLE IL.	11.0				13.90	3/12	0700
LAWRENCEVILLE IL.	11.0				13.90	3/27	1730
LAWRENCEVILLE IL.	29.0				31.30	3/13	0116
LAWRENCEVILLE IL.	29.0				30.99	3/29	0106
FALL CREEK.....							
FORTVILLE 2 NW IN.	8.0				5.94	3/30	1300
Geist Reservoir IN.					2.99	3/30	1900
MILLERSVILLE IN.	9.0				7.49	3/30	1545
FLATROCK RIVER.....							
ST. PAUL IN.	6.0				4.01	3/26	1400
HARBERTS CREEK.....							
Madison IN.	6.0				5.01	3/26	0530
LITTLE BUCK CREEK.....							
INDIANAPOLIS IN.					3.87	3/25	1345
LITTLE EAGLE CREEK.....							
SPEEDWAY IN.					4.08	3/25	0945
LITTLE RIVER.....							
HUNTINGTON 5 W IN.	15.0				12.68	3/30	1600
M.F. Vermilion River.....							
Oakwood 2 NE IL.					6.17	3/09	1815
Oakwood 2 NE IL.					5.60	3/30	0630
Oakwood 2 NE IL.					6.04	3/30	2045
MIDDLE FORK ANDERSON.....							
BRISTOW IN.	15.0				12.08	3/20	0900
MILL CREEK.....							
CATARACT 3 E IN.	15.0				11.50	3/26	1400
MISSISSINewa RIVER.....							
RIDGEVILLE 2 E IN.	11.0				13.67	3/30	0200
MARION 2 N IN.	10.0				10.51	3/31	0600
MUSCATATUCK RIVER.....							
Deputy 1WNW IN.	15.0				18.78	3/16	1415
Deputy 1WNW IN.	15.0				17.94	3/20	1515
Deputy 1WNW IN.	15.0				17.20	3/26	1715
VERNON 1SW 1 SW IN.	17.0				12.10	3/16	0800

VERNON 1SW 1 SW IN.	17.0	10.35	3/26	1100
WHEELER HOLLOW IN.	16.0	18.60	3/22	0700
WHEELER HOLLOW IN.	16.0	19.60	3/28	1800
N. F. EMBARRAS RIVER.....				
OBLONG 2 W IL.		18.04	3/10	1245
OBLONG 2 W IL.		16.56	3/26	1130

NWS FORM E-3 U.S. DEPARTMENT OF COMMERCE HYDROLOGIC SERVICE AREA
 NOAA, NATIONAL WEATHER SERVICE INDIANAPOLIS, INDIANA
 4/10/02 FLOOD STAGE REPORT March 2002

STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD TIME	STAGE TO	CREST STAGE	CREST DATE	CREST TIME
N.F. Vermilion River.....							
Bismarck 2 W IL.					10.41	3/10	0200
Bismarck 2 W IL.					8.83	3/30	0915
Bismarck 2 W IL.					9.97	3/31	0515
PATOKA RIVER.....							
JASPER IN.	14.0				13.90	3/28	0800
PRINCETON 2 MI NE IN.	18.0				17.89	3/29	1800
PIPE CREEK.....							
FRANKTON PIPE CREEK IN.	12.0				8.05	3/03	1300
FRANKTON PIPE CREEK IN.	12.0				9.30	3/31	0100
SALAMONIE RIVER.....							
WARREN 2.4 NW IN.	12.0				12.35	3/31	1200
SALT CREEK.....							
HARRODSBURG 2 SE IN.	25.0				19.34	3/26	0700
SILVER CREEK.....							
SELLERSBURG 2.4 SE IN.	20.0				17.80	3/20	1800
SELLERSBURG 2.4 SE IN.	20.0				16.84	3/26	1400
SOUTH FORK PATOKA R.....							
SPURGEON IN.	11.5				10.30	3/29	1730
SUGAR CREEK.....							
CRAWFORDSVILLE IN.	8.0				5.29	3/30	0300
SUGAR CREEK...SOUTH.....							
NEW PALESTINE IN.	8.0				5.53	3/29	0415
EDINBURGH 2 NW IN.	10.0				8.95	3/26	1030
TIPPECANOE RIVER.....							
ORA 1 SW IN.	11.0				11.32	3/11	1630
ORA 1 SW IN.	11.0				10.90	4/01	0330
MONTICELLO IN.	9.0				7,633*	3/11	1200
MONTICELLO IN.	9.0				8,230*	3/31	2359
DELPHI 6 W IN.	8.0				7.51	3/10	0600
DELPHI 6 W IN.	8.0				7.52	3/30	2300
VERMILION RIVER.....							
DANVILLE 2 SE IL.	18.0				11.85	3/09	2359
DANVILLE 2 SE IL.	18.0				11.52	3/30	2359

WABASH RIVER.....							
LINN GROVE	IN.	11.0				11.94	3/31 1400
WABASH	IN.	12.0				10.46	3/30 0600
WABASH	IN.	12.0				11.01	3/31 1700
WABASH	IN.	12.0				11.16	4/03 1100
PERU	IN.	20.0				9.90	3/05 0200
PERU	IN.	20.0				11.52	3/31 2359

*Cubic Feet per Second (CFS)

NWS FORM E-3	U.S. DEPARTMENT OF COMMERCE	HYDROLOGIC SERVICE AREA
NOAA, NATIONAL WEATHER SERVICE		INDIANAPOLIS, INDIANA
4/10/02	FLOOD STAGE REPORT	March 2002

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

WABASH RIVER continued.....							
LOGANSPORT CICOTT ST	IN.	17.0			8.11	3/04	0400
LOGANSPORT CICOTT ST	IN.	17.0			9.45	3/31	2359
LOGANSPORT CICOTT ST	IN.	17.0			9.76	3/31	0100
LAFAYETTE	IN.	11.0	3/04	0645	3/06	12.12	3/04 1800
LAFAYETTE	IN.	11.0	3/10	0400	3/12	12.89	3/10 2300
LAFAYETTE	IN.	11.0	3/30	1015	4/06	16.39	3/31 2359
COVINGTON	IN.	16.0	3/05	0700	3/06	16.15	3/05 1600
COVINGTON	IN.	16.0	3/10	1530	3/13	17.33	3/11 1900
COVINGTON	IN.	16.0	3/30	2230	4/07	20.41	4/02 1500
MONTEZUMA	IN.	14.0	3/04	1330	3/07	15.16	3/05 2359
MONTEZUMA	IN.	14.0	3/09	1915	3/14	17.29	3/11 0700
MONTEZUMA	IN.	14.0	3/30	0345	4/08	19.71	4/03 2300
TERRE HAUTE WTR CORP	IN.	14.0	3/10	0630	3/14	15.31	3/12 0500
TERRE HAUTE WTR CORP	IN.	14.0	3/30	1930	4/08	17.38	4/04 1900
HUTSONVILLE	IL.	16.0	3/06	2002	3/06	16.00	3/06 2000
HUTSONVILLE	IL.	16.0	3/09	1200	3/17	18.00	3/13 0400
HUTSONVILLE	IL.	16.0	3/31	0500		19.50	4/06 0800
RIVERTON	IN.	15.0	3/09	1415	3/17	16.77	3/13 2000
RIVERTON	IN.	15.0	3/31	0945		17.92	4/07 2100
VINCENNES	IN.	17.5				16.15	3/13 2200
VINCENNES	IN.	17.5				16.66	4/09 0700
VINCENNES 1 W	IN.	16.0				15.20	3/13 0700
VINCENNES 1 W	IN.	16.0				15.55	4/09 1900
MOUNT CARMEL	IL.	19.0	3/30	0800	4/06	20.00	4/02 1000
NEW HARMONY	IN.	15.0				15.11	4/03 0100
WEST FORK BLUE RIVER.....							
Salem	IN.	12.0				5.32	3/16 0245
WHITE LICK CREEK.....							
MOORESVILLE	IN.	17.0				12.51	3/25 1700
WHITE RIVER.....							
MUNCIE	IN.	9.0				8.49	3/30 1300
ANDERSON WATERWORKS	IN.	10.0	3/30	0645	3/31	10.73	3/30 1600
ANDERSON SEWAGE PLAN	IN.	10.0				10.88	3/30 1700
NOBLESVILLE	IN.	14.0				14.00	3/31 0100
NORA	IN.	11.0	3/31	0545	4/01	11.25	3/31 1800

BROAD RIPPLE DAM IN.	6.0				6.48	3/31	1200
INDIANAPOLIS MORRIS IN.	16.0				10.89	3/31	1200
STOUT GENERATING STA IN.	10.0				7.74	3/31	1200
CENTERTON 1 S IN.	12.0				11.37	4/01	0900
SPENCER IN.	14.0				13.49	3/26	2200
SPENCER IN.	14.0	3/30	2145	4/03	15.60	4/02	1000
WORTHINGTON IN.	18.0				18.06	3/11	1300
WORTHINGTON IN.	18.0				20.04	3/27	1300
ELLISTON IN.	18.0	3/11	0001	3/11	18.65	3/11	1300
ELLISTON IN.	18.0	3/25	0001	4/04	20.81	3/27	1300
NEWBERRY IN.	13.0	3/26	0845	3/29	15.22	3/27	2000
NEWBERRY IN.	13.0	3/30	0530	4/04	14.28	4/01	1200
EDWARDSPORT IN.	15.0	3/11	2100	3/13	15.50	3/12	1900
EDWARDSPORT IN.	15.0	3/26	1500	4/06	18.00	3/28	1900

NWS FORM E-3 U.S. DEPARTMENT OF COMMERCE
 NOAA, NATIONAL WEATHER SERVICE
 4/10/02 FLOOD STAGE REPORT

HYDROLOGIC SERVICE AREA
 INDIANAPOLIS, INDIANA
 March 2002

STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD TIME	STAGE TO	CREST STAGE	CREST DATE	CREST TIME
WHITE RIVER (Continued).....							
PETERSBURG 3 NE IN.	16.0				15.83	3/18	0800
PETERSBURG 3 NE IN.	16.0				17.14	3/21	2359
PETERSBURG 3 NE IN.	16.0				19.36	3/30	2300
PETERSBURG IN.	16.0	3/18	0900	3/18	16.03	3/18	1300
PETERSBURG IN.	16.0	3/20	0215	3/24	17.33	3/21	2300
PETERSBURG IN.	16.0	3/26	1245	4/06	19.53	3/31	0300
HAZLETON IN.	16.0	3/19	0700	3/24	17.50	3/22	0700
HAZLETON IN.	16.0	3/26	1700	4/07	19.50	3/31	0700
WHITEWATER RIVER.....							
ECONOMY 2 NW IN.					4.99	3/09	1730
ECONOMY 2 NW IN.					4.98	3/28	1930
ALPINE 2 NE IN.	14.0				12.72	3/28	0700
BROOKVILLE IN.	20.0				7.99	3/26	1000
WILDCAT CREEK.....							
JEROME 1 SE IN.					7.94	3/30	1400
KOKOMO IN.	10.0				8.51	3/30	2215
LAFAYETTE 4 NE IN.	10.0				9.44	3/30	1800
Whiskey Run.....							
Marengo IN.	8.0				3.76	3/19	1515
YOUNGS CREEK.....							
AMITY IN.	7.0				6.11	3/30	0430

Beginning October 3, 1994, the Chicago office assumed the Hydrologic Service Area of streams and rivers in the following northern Indiana counties: Lake, Porter, LaPorte, St. Joseph, Elkhart, Newton, Jasper, Starke, Marshall, Kosciusko, Benton, White, Pulaski and Fulton counties. This included the following Indiana rivers: Kankakee, Iroquois, St. Joseph, Yellow and much of the Tippecanoe Rivers. Beginning July 15, 1998, the Chicago office transferred the following northern Indiana counties to North Webster, Indiana: LaPorte, St. Joseph, Elkhart, Starke, Marshall, Kosciusko, White, Pulaski and Fulton counties. This includes the St. Joseph, Yellow, much of the Tippecanoe and the headwaters of the Kankakee Rivers..

Beginning December 1, 1994, the Wilmington, Ohio office assumed the Hydrologic Service Area of streams and rivers in the following east central and southeast Indiana counties: Dearborn, Fayette, Franklin, Ripley, Ohio, Switzerland, Union and Wayne. This included most of the Whitewater River Watershed in Indiana.

Beginning September 1, 1995, the Louisville, Kentucky office assumed the Hydrologic Service Area of streams and rivers in the following south central Indiana counties: Orange, Washington, Scott, Jefferson, Crawford, Harrison, Floyd, and Clark. This included the Blue River Watershed in south central, the Muscatatuck River Drainage in Jefferson County and most of the Lost River in south central Indiana.

Beginning February 1, 1996, the Louisville, Kentucky office assumed the Hydrologic Service Area of the streams and rivers in the following south central and southwest Indiana counties: Dubois and Perry. This included the Anderson River along the Perry/Spencer county line.

Beginning February 1, 1996, the Paducah, Kentucky office assumed the Hydrologic Service Area of the streams and rivers in the following southwest Indiana counties: Gibson, Pike, Posey, Spencer, Vanderburgh and Warrick. This included the Wabash River in the New Harmony, Indiana area.

Beginning July 15, 1998, the North Webster, Indiana office assumed the Hydrologic Service Area of the streams and rivers in the following north central and northeast Indiana counties: Lagrange, Steuben, Noble, Dekalb, Whitley, Allen, Adams, Wells, Huntington, Wabash, Grant, Blackford and Jay. This included the headwaters of the Wabash River, the Indiana portion of the St. Joseph, St. Marys and Maumee Rivers , the Salamonie and Eel Rivers and the downstream portion of the Mississinewa River .

Station File.

It is necessary to E-mail to the following people:

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The NWS 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: April-May YEAR: 2002
TO: Hydrometeorological Information Center NWS/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.

The Wabash River Basin experienced some of the worst flooding ever during May 2002. Near record flooding along the Embarras and Little Wabash River in Illinois and the worst flooding along much of the East Fork White and White Rivers since May 1996 led to the highest river levels along the lower Wabash River in over 52 years. The duration of the water flow along portions of the White and Wabash Rivers in southwest Indiana for a 30, 60 and 90 day period exceeded a return period of 200 years.

When compared to the late April-early May 1996 flood event, this flood was more widespread in the Wabash River Basin, lasted more than 60 days at a few locations, had three flash flood events covering much of central and southern Indiana, filled two Corps of Engineers flood control reservoirs and set a state of Indiana average rainfall record. Flash flooding and flooding caused 7.7 million dollars in damage to Indiana roads and other public infrastructure. More than 200 homes were affected with at least 135 severely damaged. By the third week of May, Indiana agricultural was 1 day behind the record slow pace of May 1961 with very few crops planted in much of central and southern Indiana.

The beginning of the May 2002 floods in central and southern Indiana was in October 2001. Unlike the past two winter seasons, the fall and winter of 2001-2002 had seen above normal rainfall and rather significant river flooding during December in southern Indiana. Although rivers fell below flood stage during this period, soils remained wet and streams remained high.

As the spring season became in March, the weather was very active. Rainfall was above normal across much of Indiana with monthly totals ranging from 3 to nearly 8 inches. Lowland

flooding occurred along most rivers as a result of the above normal rainfall. Southern Indiana was brushed by rains from storms that caused significant flooding in portions of Kentucky and Tennessee during the middle of March. Rains and melting snow during the end of March caused lowland flooding to persist through the first week of April.

Cool weather during early April kept soils on the moist side. Rain of 2 to nearly 4 inches on the 13th and 14th in southern Indiana caused lowland flooding along rivers in southern Indiana. This rain would mark the beginning of a month and a half of flooding in southwest Indiana along the White and Wabash Rivers.

From April 15th through April 19th Indiana bask in the warmest weather that it was to experience until the very end of May. Temperatures were in the low to middle 80s and there was not any rain. Soils were finally beginning to dry out. All this changed on April 21st as Indianapolis and much of central and southern Indiana would experience the most rain ever for the April 21st through May 13th period.

Rainfall of 2 to 4 inches from April 21 through April 24 wet the ground and brought small streams and rivers to bankfull levels. Once again central and southern Indiana was very wet. Rainfall of 2 to 4 inches in about a 15 hour period on April 27th and 28th in much of central and southern Indiana caused widespread flooding of small streams. Serious flooding did not develop as a result of these rains, but it prolonged and heightened the current river flooding in southwestern Indiana.

A severe weather episode on May 1 produced large hail in portions of southern Indiana. Fortunately, the localized heavy rain from these storms was not widespread, but this rain did prolong river flooding in southwest Indiana.

After four days of dry weather, heavy rains returned to portions of southwest Indiana early on May 6th. Storms developed from the 6th through 8th in much of central and southern Indiana causing flash flooding and extensive small stream flooding. Rainfall of 1 to 3 inches in about a 4 to 6 hour period was common in much of central and southern Indiana. Rainfall during this period produced extensive flooding of the White, East Fork White and Wabash Rivers in southern Indiana.

Storms with even greater rains returned to a very wet central and southern Indiana from the evening of May 11th through the morning of May 13th. Heavy rain of 2 to 4 inches first occurred in much of northern Indiana, an area that had previously been spared from the relentless spring rains.

Storms gradually moved south, with heavy rain of 1 to 3 inches concentrated in west central Indiana during the morning of May 12th. During the afternoon and evening of May 12th, heavy rains of 1 to 3 inches moved into much of central and east central Indiana. Much of central Indiana experienced flash flooding during the day of May 12th.

During night of May 12th and early morning of May 13th, rain of 4 to 6 inches fell in much of southwest and south central Indiana. This rain produced widespread flash flooding in southwest and south central Indiana. Another inch of steady rain fell on central Indiana and produced widespread flooding of small streams and rivers. By late of May 13th, flooding was far more extensive than what was experienced less than a week ago and in most areas even higher.

The rains of May 11th through May 13th were much more widespread in the Wabash River watershed than earlier flood events. Near major flooding developed along almost the entire length of the White River in Indiana, major flooding along the Embarras River in Illinois and the Wabash River from Mount Carmel Illinois to the Ohio River, extensive flooding along the Wabash River from Montezuma to Vincennes, extensive flooding along the entire East Fork White River in southern Indiana, lowland flooding along the Wabash River from Lafayette to Montezuma and flooding along the Tippecanoe River in northern Indiana.

For the White and Wabash Rivers in southwest Indiana and southeast Illinois, heavy rains on May 12 and 13 came at the worst possible time. Extensive flooding was already in progress from previous rains and soils were wet. The rain didn't have any where to go except directly in streams and very swollen rivers. This heavy rain covered much of southern Illinois and southern Indiana and produced a rather quick and sharp crest along the White and Wabash Rivers in southwest Indiana and southeast Illinois.

The resulting flood levels were the highest in 41 years at New Harmony and the highest in 52 years at Mount Carmel. The extensive flooding upstream in the Wabash River Basin allowed these crests to be maintained for about a week. Because of the relentless rains from April 21st through May 13th, many locations along major rivers remained above flood stage for more than 3 weeks. Flooding in the Mount Carmel area lasted 45 days.

As a result of the late April through mid May rains, 33 Indiana counties were seeking Federal disaster declaration. Eighteen of those counties were in the Indianapolis HSA. These counties included: Vermillion, Parke, Montgomery, Hamilton, Putnam,

Marion, Hancock, Vigo, Owen, Johnson, Sullivan, Greene, Monroe, Brown, Knox, Martin, Lawrence and Jackson.

Flooding had damaged numerous roads, culverts and bridges. More than 100 homes in the Indianapolis area experienced some river flooding and at least another 100 homes in other areas of central and southern Indiana. The rains flooded numerous basements. Several businesses were affected in Noblesville and fire stations were flooded in Ellettsville and Bloomington. Flood waters extensively inundated parks and recreational facilities along streams and rivers.

Two Corps of Engineer Flood Control Lakes filled to capacity because of the prolonged rains. These were Cecil M. Harden in Parke County and Monroe in Monroe County. The water in Monroe Lake actually trickled through the spillway for a short time. Two other Corps Lakes, Brookville and Cagles Mill approached but did not exceed record lake elevations.

According to the State climatologist, the average state rainfall for the period March 1 through May 13 set a record based on 107 years of observations. For this period, much of central and southern Indiana had received more than 15 inches of rain, with some areas receiving more than 22 inches.

Rainfall greatly subsided after May 13th. Although temperatures were cool during the May 14th through May 22nd period, soils began to dry out. Most farmers were able to plant by May 23rd. Spotty rains from May 27th through the end of May once again limited planting in some areas. Many small streams had returned to near normal levels by May 23rd, the Wabash and White Rivers had finally crested by May 20th and flooding ended in all of the HSA by May 30th.

When comparing the May 1996 and the May 2002 floods, rainfall was more concentrated in central and southern Indiana than southern Illinois during 1996, while in 2002 more rain fell in portions of central and southern Illinois and southwest Indiana than in south central and southeast Indiana.. During May 1996 serious flooding moved northward later in the month, but this didn't happen in May 2002. Flooding during 2002 covered almost the entire Wabash River watershed, but was limited to mostly central and southern Indiana during 1996. Follow up rains during 1996 caused renewed flooding. So far in 2002, rains after May 13 have only slowed the recession of the rivers. Severe weather during April and May in Indiana was more widespread in 1996 than in 2002.

Monthly rainfall totals during April ranged from less than 4 inches in extreme northern Indiana to more than 10 inches in portions of east central Indiana. Much of central and southern

Indiana received 6 to 8 inches of rain during April. During May, rainfall totals ranged from 3 1/2 inches in north central Indiana to 11 1/2 inches in west central Indiana. Most of west central and south central Indiana received 9 to 11 1/2 inches of rain while the remaining areas of central and southern Indiana received 6 to 9 inches.

Rain fell on 10 to 16 days during the months of April and May. Rain of an inch or more fell on 2 to 4 days during both months. Some northern portions of the HSA did not receive an inch of rain in a day during April.

Monthly temperatures during April ranged from 2 to 3 degrees above normal in the Indianapolis HSA, while temperatures averaged 3 to 4 degrees below normal during May. The warmest temperatures during April occurred on the 18th or 19th and during May on the 31st. Highest temperatures for both months were the middle and upper 80s. The coldest temperature during April occurred on the 5th and 6th and during May on the 19th. Lowest temperatures in April fell into the 20s and during May into lower 30s. Temperatures fell below 33 degrees 5 to 6 times during April and on one day in many areas during May.

At the end of May, most small streams had returned to near normal levels, but large rivers remained at above normal levels. All flooding had ended and most soils had dried out considerably, but still remained on the wet side.

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				6.68	4/28	1100
SHELBYVILLE IN.	11.0				11.02	4/29	0400
BIG RACCOON CREEK.....							
FINCASTLE 3 W IN.	11.0				10.84	4/28	1300
COXVILLE IN.	14.0				13.79	4/21	2100
COXVILLE IN.	14.0				14.12	4/28	1200
BIG WALNUT CREEK.....							
Roachdale 3.5 SE IN.					12.36	4/28	0800
REELSVILLE IN.	12.0				12.82	4/21	1900
REELSVILLE IN.	12.0				14.26	4/28	1200
BLUE RIVER.....							
FREDERICKSBURG IN.	20.0				14.13	4/14	1830
BUCK CREEK.....							
NEW MIDDLETOWN 3.6 SW IN.	12.0				7.48	4/28	0700
ACTON IN.	9.0				9.50	4/28	1100
BUSSERON CREEK.....							
CARLISLE 2 NW IN.	16.0				10.55	4/28	0330
Bonpas Creek.....							
Browns IL.					13.73	4/28	0730
CLIFTY CREEK.....							
HARTSVILLE IN.	10.0				6.83	4/28	1230
EAGLE CREEK.....							
ZIONSVILLE IN.	9.0				8.52	4/28	0700
SPEEDWAY IN.	9.0				8.62	4/28	1430
EAST FORK WHITE R.....							
COLUMBUS IN.	9.0				7.65	4/15	1700
COLUMBUS IN.	9.0				6.70	4/29	0900
SEYMOUR 2 N IN.	12.0	4/13	1230	4/18	17.07	4/15	0500
SEYMOUR 2 N IN.	12.0	4/21	2230	4/24	15.77	4/22	1300
SEYMOUR 2 N IN.	12.0	4/25	0345	4/26	13.21	4/25	1200
SEYMOUR 2 N IN.	12.0	4/28	0645	5/02	15.83	4/29	1100
BEDFORD 8SE IN.	20.0	4/15	1300	4/21	25.90	4/18	0300
BEDFORD 8SE IN.	20.0	4/24	1030	5/05	25.04	5/02	1600
BEDFORD 4 SW IN.	20.0	4/17	0200	4/20	21.80	4/18	0800
BEDFORD 4 SW IN.	20.0	5/01	2100	5/04	21.30	5/03	0800
WILLIAMS IN.	8.0	4/16	1800	4/20	9.30	4/19	0001
WILLIAMS IN.	8.0	5/01	1700		9.10	5/02	2200
SHOALS HIWAY 50 BRID IN.	20.0				18.69	4/19	1400
SHOALS HIWAY 50 BRID IN.	20.0				14.82	4/22	1900
SHOALS HIWAY 50 BRID IN.	20.0				14.59	4/26	1500
SHOALS HIWAY 50 BRID IN.	20.0				17.00	4/29	0800
SHOALS HIWAY 50 BRID IN.	20.0				18.97	5/03	1000

STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD TIME	STAGE TO	CREST STAGE	CREST DATE	CREST TIME
EAST FORK WHITEWATER..... ABINGTON IN.	12.0				12.79	4/14	1900
EEL RIVER..... BOWLING GREEN IN.	17.0	4/28	0945	4/29	19.07	4/28	2359
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EEL RIVER...NORTH..... NORTH MANCHESTER IN.	7.0				8.00	4/13	0500
ADAMSBORO IN.	10.0				7.77	4/13	2200
EMBARRAS RIVER..... Carmargo 2 SW IL.	12.0				12.74	4/20	0915
Carmargo 2 SW IL.	12.0				13.13	4/21	1845
Carmargo 2 SW IL.	12.0				12.36	4/28	1445
Carmargo 2 SW IL.	12.0				11.71	5/07	1945
Carmargo 2 SW IL.	12.0				17.03	5/13	0715
STE MARIE IL.	19.0				19.75	4/30	1045
STE MARIE IL.	19.0				18.66	5/04	0600
STE MARIE IL.	19.0				23.44	5/09	0500
STE MARIE IL.	19.0				26.28	5/13	2000
STE MARIE IL.	19.0				26.14	5/14	0830
LAWRENCEVILLE IL.	29.0				34.50	5/03	1731
FALL CREEK..... FORTVILLE 2 NW IN.	8.0				6.47	4/28	2000
Geist Reservoir IN.					3.50	4/29	0100
MILLERSVILLE IN.	9.0				8.10	4/29	0415
FLATROCK RIVER..... ST. PAUL IN.	6.0				6.75	4/14	2030
ST. PAUL IN.	6.0				5.02	4/28	1200
HARBERTS CREEK..... Madison IN.	6.0				7.15	4/21	2015
LITTLE BUCK CREEK..... INDIANAPOLIS IN.					5.47	4/28	0430
LITTLE EAGLE CREEK..... SPEEDWAY IN.					5.23	4/27	2330
LITTLE RIVER..... HUNTINGTON 5 W IN.	15.0				10.16	4/09	1100
M.F. Vermilion River..... Oakwood 2 NE IL.					7.78	4/28	0445
MIDDLE FORK ANDERSON..... BRISTOW IN.	15.0				11.58	4/28	0600
MILL CREEK..... CATARACT 3 E IN.	15.0				14.89	4/29	0800
MANHATTAN 5 S IN.	12.0				11.98	4/28	1100

MISSISSINewa RIVER.....			
RIDGEVILLE 2 E IN.	11.0	12.20	4/28 0900
MARION 2 N IN.	10.0	8.96	4/28 1600
MUSCATATUCK RIVER.....			
Deputy 1WNW IN.	15.0	22.29	4/28 1215
VERNON 1SW 1 SW IN.	17.0	16.10	4/21 2030
VERNON 1SW 1 SW IN.	17.0	13.05	4/28 0630
WHEELER HOLLOW IN.	16.0	21.10	4/06 1900

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MUSCATATUCK RIVER continued....							
WHEELER HOLLOW IN.	16.0				19.90	4/24	1900
WHEELER HOLLOW IN.	16.0				20.60	5/02	0700
N. F. EMBARRAS RIVER.....							
OBLONG 2 W IL.					17.29	4/28	2215
OBLONG 2 W IL.					17.43	4/29	0300
OBLONG 2 W IL.					17.17	4/30	0145
OBLONG 2 W IL.					15.08	5/03	0945
OBLONG 2 W IL.					20.93	5/08	0930
OBLONG 2 W IL.					23.13	5/13	1545
N.F. Vermilion River.....							
Bismarck 2 W IL.					11.44	4/28	1900
PATOKA RIVER.....							
JASPER IN.	14.0				14.31	4/15	2359
JASPER IN.	14.0				13.79	4/29	1000
PRINCETON 2 MI NE IN.	18.0				19.24	4/21	2300
PIPE CREEK.....							
FRANKTON PIPE CREEK IN.	12.0				9.86	4/28	1430
SALAMONIE RIVER.....							
WARREN 2.4 NW IN.	12.0				10.66	4/28	1900
SALT CREEK.....							
HARRODSBURG 2 SE IN.	25.0				21.90	4/13	0600
HARRODSBURG 2 SE IN.	25.0				19.65	4/28	0900
HARRODSBURG 2 SE IN.	25.0				17.15	5/02	0200
SILVER CREEK.....							
SELLERSBURG 2.4 SE IN.	20.0				15.45	4/28	1400
SOUTH FORK PATOKA R.....							
SPURGEON IN.	11.5				10.52	4/14	0945
SPURGEON IN.	11.5				9.61	5/01	1930
SUGAR CREEK.....							
CRAWFORDSVILLE IN.	8.0				5.63	4/28	1300
SUGAR CREEK...SOUTH.....							

NEW PALESTINE IN.	8.0	6.50	4/28 0745
EDINBURGH 2 NW IN.	10.0	10.54	4/29 1530
TIPPECANOE RIVER.....			
ORA 1 SW IN.	11.0	10.90	4/01 0330
ORA 1 SW IN.	11.0	11.76	4/11 0730
WINAMAC IN.	10.0	9.44	4/15 1100
MONTICELLO IN.	9.0	7,055 cfs	4/09 1800
MONTICELLO IN.	9.0	6,815 cfs	4/28 1800
DELPHI 6 W IN.	8.0	6.87	4/09 2100
DELPHI 6 W IN.	8.0	6.87	4/28 2100
VERMILION RIVER.....			
DANVILLE 2 SE IL.	18.0	13.94	4/28 1500

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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				9.31	4/28	2359
BLUFFTON IN.	10.0				12.88	4/01	0100
BLUFFTON IN.	10.0				9.71	4/30	1100
WABASH IN.	12.0				11.21	4/03	1100
WABASH IN.	12.0				9.83	4/09	1900
PERU IN.	20.0				9.43	4/30	1100
LOGANSPORT CICOTT ST IN.	17.0				8.91	4/03	1700
LOGANSPORT CICOTT ST IN.	17.0				8.35	4/10	0100
LOGANSPORT CICOTT ST IN.	17.0				8.41	4/14	0100
LOGANSPORT CICOTT ST IN.	17.0				8.23	4/29	0100
LAFAYETTE IN.	11.0	4/09	1030	4/17	13.74	4/10	1400
LAFAYETTE IN.	11.0	4/28	0945	5/03	14.52	4/29	1600
COVINGTON IN.	16.0	3/30	2230	4/07	20.41	4/02	1500
COVINGTON IN.	16.0	4/10	0100	4/18	19.08	4/15	1300
COVINGTON IN.	16.0	4/28	1530	5/04	19.06	4/30	2300
MONTEZUMA IN.	14.0	3/30	0345	4/08	19.71	4/03	2300
MONTEZUMA IN.	14.0	4/09	0615	4/19	19.43	4/14	0800
MONTEZUMA IN.	14.0	4/21	1900	4/22	14.46	4/22	0700
MONTEZUMA IN.	14.0	4/28	0045		20.81	4/29	1000
TERRE HAUTE WTR CORP IN.	14.0	3/30	1930	4/08	17.38	4/04	1900
TERRE HAUTE WTR CORP IN.	14.0	4/10	0300	4/19	17.30	4/15	1100
TERRE HAUTE WTR CORP IN.	14.0	4/28	1200		19.05	5/03	1800
HUTSONVILLE IL.	16.0	3/31	0500		19.50	4/06	0800
HUTSONVILLE IL.	16.0			4/26	19.50	4/17	1700
HUTSONVILLE IL.	16.0	4/27	2100		21.10	5/04	0300
RIVERTON IN.	15.0	3/31	0945		17.92	4/07	2100
RIVERTON IN.	15.0			4/27	17.89	4/18	0900
RIVERTON IN.	15.0	4/27	2030		19.21	5/03	2200
VINCENNES IN.	17.5				16.66	4/09	0700
VINCENNES IN.	17.5	4/30	2330		19.73	5/04	2100
VINCENNES 1 W IN.	16.0				15.55	4/09	1900
VINCENNES 1 W IN.	16.0	4/29	1500		18.85	5/05	0725
MOUNT CARMEL IL.	19.0	3/30	0800	4/06	20.00	4/02	1000
MOUNT CARMEL IL.	19.0	4/15	1900		21.25	4/22	2300
NEW HARMONY IN.	15.0				15.11	4/03	0100
NEW HARMONY IN.	15.0				16.00	4/24	2200
WEST FORK BLUE RIVER.....							

Salem IN.	12.0				5.90	4/28	0530
WHITE LICK CREEK.....							
MOORESVILLE IN.	17.0				17.99	4/28	0730
WHITE RIVER.....							
MUNCIE IN.	9.0				7.72	4/15	0600
MUNCIE IN.	9.0				7.77	4/28	1600
ANDERSON WATERWORKS IN.	10.0				9.95	4/28	2000
ANDERSON SEWAGE PLAN IN.	10.0				10.07	4/28	2200
NOBLESVILLE IN.	14.0	4/29	0330	4/29	14.29	4/29	1000
NORA IN.	11.0	3/31	0545	4/01	11.25	3/31	1800
NORA IN.	11.0				11.00	4/29	1600
BROAD RIPPLE DAM IN.	6.0				6.25	4/29	1800
INDIANAPOLIS MORRIS IN.	16.0				11.13	4/29	1330
STOUT GENERATING STA IN.	10.0				8.07	4/29	1200
CENTERTON 1 S IN.	12.0				11.37	4/01	0900
CENTERTON 1 S IN.	12.0	4/28	0715	4/30	13.66	4/28	1600

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STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD TIME	STAGE TO	CREST STAGE	CREST DATE	CREST TIME
WHITE RIVER continued.....							
SPENCER IN.	14.0	3/30	2145	4/03	15.60	4/02	1000
SPENCER IN.	14.0	4/22	1315	4/23	14.30	4/22	1900
SPENCER IN.	14.0	4/28	1545		17.78	4/30	1100
WORTHINGTON IN.	18.0				19.34	4/01	0800
WORTHINGTON IN.	18.0				18.94	4/13	0800
WORTHINGTON IN.	18.0				22.55	5/01	0800
ELLISTON IN.	18.0	3/30	0230	4/04	20.30	4/03	1300
ELLISTON IN.	18.0	4/13	0400	4/17	19.45	4/14	0700
ELLISTON IN.	18.0	4/22	0400	5/04	23.86	5/02	0800
NEWBERRY IN.	13.0	3/30	0530	4/04	14.28	4/01	1200
NEWBERRY IN.	13.0	4/13	0645	4/16	14.34	4/14	2300
NEWBERRY IN.	13.0	4/22	1045	4/24	14.50	4/23	2200
NEWBERRY IN.	13.0	4/28	0230	5/04	18.69	5/02	1500
EDWARDSPORT IN.	15.0	3/26	1500		18.00	3/28	1900
EDWARDSPORT IN.	15.0			4/06	17.40	4/03	1800
EDWARDSPORT IN.	15.0	4/13	1900	4/18	17.50	4/15	0700
EDWARDSPORT IN.	15.0	4/22	1900	5/06	20.90	5/03	1800
PETERSBURG 3 NE IN.	16.0				20.16	4/20	0700
PETERSBURG 3 NE IN.	16.0				22.08	5/05	0600
PETERSBURG IN.	16.0	4/14	1415		20.43	4/20	0300
PETERSBURG IN.	16.0				22.29	5/05	0600
HAZLETON IN.	16.0	3/26	1700	4/07	19.50	3/31	0700
WHITE RIVER.....							
HAZLETON IN.	16.0	4/14	1900		20.50	4/20	0900
HAZLETON IN.	16.0				22.60	5/07	0700
WHITewater RIVER.....							
ECONOMY 2 NW IN.					6.60	4/14	1015
ALPINE 2 NE IN.	14.0				17.16	4/15	0300
BROOKVILLE IN.	20.0				11.38	4/28	1100

WILDCAT CREEK.....

JEROME 1 SE IN.		8.45	4/28	1400
KOKOMO IN.	10.0	8.79	4/28	2330
LAFAYETTE 4 NE IN.	10.0	11.47	4/13	1900
LAFAYETTE 4 NE IN.	10.0	11.39	4/28	1400
Whiskey Run.....				
Marengo IN.	8.0	4.62	4/28	0415
YOUNGS CREEK.....				
AMITY IN.	7.0	7.75	4/13	0515
AMITY IN.	7.0	6.63	4/28	1200

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				10.34	5/13	2000
SHELBYVILLE IN.	11.0				12.12	5/08	1200
SHELBYVILLE IN.	11.0				16.20	5/14	1730
BIG RACCOON CREEK.....							
FINCASTLE 3 W IN.	11.0				12.06	5/07	2300
FINCASTLE 3 W IN.	11.0				14.46	5/13	1700
COXVILLE IN.	14.0				15.29	5/07	2300
COXVILLE IN.	14.0				14.70	5/13	1700
BIG WALNUT CREEK.....							
Roachdale 3.5 SE IN.					14.26	5/07	1500
Roachdale 3.5 SE IN.					15.26	5/13	1300
REELSVILLE IN.	12.0				15.97	5/08	0400
REELSVILLE IN.	12.0				15.78	5/14	0100
BLUE RIVER.....							
FREDERICKSBURG IN.	20.0				21.08	5/13	2030
BUCK CREEK.....							
NEW MIDDLETOWN 3.6 SW IN.	12.0				7.52	5/13	0300
ACTON IN.	9.0				9.66	5/07	1300
ACTON IN.	9.0				11.40	5/13	1630
BUSSERON CREEK.....							
CARLISLE 2 NW IN.	16.0				16.08	5/15	1200
Bonpas Creek.....							
Browns IL.					19.46	5/09	2130
Browns IL.					21.99	5/14	1315
CLIFTY CREEK.....							
HARTSVILLE IN.	10.0				6.74	5/07	1430
HARTSVILLE IN.	10.0				6.80	5/08	1600
HARTSVILLE IN.	10.0				9.53	5/13	1500
EAGLE CREEK.....							
ZIONSVILLE IN.	9.0				11.26	5/13	0400
SPEEDWAY IN.	9.0				13.00	5/13	1100
EAST FORK WHITE R.....							
COLUMBUS IN.	9.0	5/08	1100	5/10	11.42	5/10	1500
COLUMBUS IN.	9.0	5/13	1730	5/16	13.17	5/14	2330
SEYMOUR 2 N IN.	12.0	4/28	0645	5/02	15.83	4/29	1100
SEYMOUR 2 N IN.	12.0	5/07	1730	5/12	18.35	5/09	0700
SEYMOUR 2 N IN.	12.0	5/13	0200	5/19	18.45	5/14	0800
BEDFORD 8SE IN.	20.0	4/24	1030	5/05	25.04	5/02	1600
BEDFORD 8SE IN.	20.0	5/08	1145		31.46	5/11	1100
BEDFORD 8SE IN.	20.0			5/22	32.73	5/16	2000
BEDFORD 4 SW IN.	20.0	5/01	2100	5/04	21.30	5/03	0800
BEDFORD 4 SW IN.	20.0	5/08	1400		27.80	5/13	1400

BEDFORD 4 SW IN.	20.0			5/21	29.20	5/17	1900
WILLIAMS IN.	8.0	5/01	1700	5/04	9.10	5/02	2200
WILLIAMS IN.	8.0	5/08	1800		15.40	5/13	1900
WILLIAMS IN.	8.0			5/22	16.70	5/18	0001

NWS FORM E-3 U.S. DEPARTMENT OF COMMERCE
 NOAA, NATIONAL WEATHER SERVICE
 6/10/02 FLOOD STAGE REPORT

HYDROLOGIC SERVICE AREA
 INDIANAPOLIS, INDIANA
 May 2002

STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD TIME	STAGE TO	CREST STAGE	CREST DATE	CREST TIME
EAST FORK WHITE R continued.....							
SHOALS HIWAY 50 BRID IN.	20.0				18.97	5/03	1000
SHOALS HIWAY 50 BRID IN.	20.0	5/10	0800		28.52	5/14	1500
SHOALS HIWAY 50 BRID IN.	20.0			5/22	28.41	5/18	1300
EAST FORK WHITEWATER.....							
ABINGTON IN.	12.0				13.02	5/13	1900
EEL RIVER.....							
BOWLING GREEN IN.	17.0	5/07	1545	5/09	20.09	5/08	1000
BOWLING GREEN IN.	17.0	5/12	2245	5/15	20.71	5/13	2300
EEL RIVER...NORTH.....							
NORTH MANCHESTER IN.	7.0				9.57	5/13	0200
ADAMSBORO IN.	10.0				8.80	5/13	1500
EMBARRAS RIVER.....							
Carmargo 2 SW IL.	12.0				11.71	5/07	1945
Carmargo 2 SW IL.	12.0				17.03	5/13	0715
STE MARIE IL.	19.0				18.66	5/04	0600
STE MARIE IL.	19.0				23.44	5/09	0500
STE MARIE IL.	19.0				26.28	5/13	2000
STE MARIE IL.	19.0				26.14	5/14	0830
LAWRENCEVILLE IL.	11.0				16.95	5/03	1800
LAWRENCEVILLE IL.	11.0				21.20	5/11	1900
LAWRENCEVILLE IL.	11.0				24.27	5/15	2130
LAWRENCEVILLE IL.	29.0				34.50	5/03	1731
LAWRENCEVILLE IL.	29.0				38.31	5/11	1551
LAWRENCEVILLE IL.	29.0				41.35	5/16	0121
FALL CREEK.....							
FORTVILLE 2 NW IN.	8.0				8.93	5/13	2100
Geist Reservoir IN.					6.45	5/14	0600
MILLERSVILLE IN.	9.0				12.14	5/14	0715
FLATROCK RIVER.....							
ST. PAUL IN.	6.0				6.82	5/08	1530
ST. PAUL IN.	6.0				9.05	5/13	2100
HARBERTS CREEK.....							
Madison IN.	6.0				6.63	5/06	1700
Madison IN.	6.0				7.61	5/08	0945
Madison IN.	6.0				5.94	5/13	0630
LITTLE BUCK CREEK.....							
INDIANAPOLIS IN.					7.94	5/07	1115
INDIANAPOLIS IN.					7.38	5/13	0615

LITTLE EAGLE CREEK.....
SPEEDWAY IN. 6.97 5/13 0530

LITTLE RIVER.....
HUNTINGTON 5 W IN. 15.0 12.93 5/12 1700

M.F. Vermilion River.....
Oakwood 2 NE IL. 8.32 5/12 1900

NWS FORM E-3 U.S. DEPARTMENT OF COMMERCE HYDROLOGIC SERVICE AREA
NOAA, NATIONAL WEATHER SERVICE INDIANAPOLIS, INDIANA
6/10/02 FLOOD STAGE REPORT May 2002

STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD TIME	STAGE TO	CREST STAGE	CREST DATE	CREST TIME
MIDDLE FORK ANDERSON..... BRISTOW IN.	15.0				15.13	5/13	0600
MILL CREEK..... CATARACT 3 E IN.	15.0				17.07	5/09	0200
CATARACT 3 E IN.	15.0				18.12	5/14	0200
MANHATTAN 5 S IN.	12.0				13.48	5/07	1900
MANHATTAN 5 S IN.	12.0				12.96	5/13	1300
MISSISSINewa RIVER..... RIDGEVILLE 2 E IN.	11.0				10.18	5/07	1600
RIDGEVILLE 2 E IN.	11.0				13.95	5/13	0400
MARION 2 N IN.	10.0				11.78	5/13	2359
MUSCATATUCK RIVER..... Deputy 1WNW IN.	15.0				21.28	5/07	0015
Deputy 1WNW IN.	15.0				25.51	5/08	1815
Deputy 1WNW IN.	15.0				24.44	5/13	1715
VERNON 1SW 1 SW IN.	17.0				17.47	5/07	1700
VERNON 1SW 1 SW IN.	17.0				17.05	5/08	1730
VERNON 1SW 1 SW IN.	17.0				18.75	5/13	1000
WHEELER HOLLOW IN.	16.0				20.60	5/02	0700
WHEELER HOLLOW IN.	16.0				22.90	5/10	2000
WHEELER HOLLOW IN.	16.0				23.20	5/15	1930
N. F. EMBARRAS RIVER..... OBLONG 2 W IL.					15.08	5/03	0945
OBLONG 2 W IL.					20.93	5/08	0930
OBLONG 2 W IL.					23.13	5/13	1545
N.F. Vermilion River..... Bismarck 2 W IL.					12.31	5/13	1015
PATOKA RIVER..... JASPER IN.	14.0				15.98	5/14	1100
PRINCETON 2 MI NE IN.	18.0				23.13	5/17	1600
PIPE CREEK..... FRANKTON PIPE CREEK IN.	12.0				12.11	5/13	1000
SALAMONIE RIVER..... WARREN 2.4 NW IN.	12.0				11.06	5/15	0400
SALT CREEK..... HARRODSBURG 2 SE IN.	25.0				17.15	5/02	0200

HARRODSBURG 2 SE IN.	25.0	19.77	5/06 2000
HARRODSBURG 2 SE IN.	25.0	21.90	5/08 2000
HARRODSBURG 2 SE IN.	25.0	23.70	5/13 2000
SILVER CREEK.....			
SELLERSBURG 2.4 SE IN.	20.0	20.74	5/14 0800
SOUTH FORK PATOKA R.....			
SPURGEON IN.	11.5	9.61	5/01 1930
SPURGEON IN.	11.5	12.45	5/08 1130
SPURGEON IN.	11.5	13.01	5/13 0800

NWS FORM E-3	U.S. DEPARTMENT OF COMMERCE	HYDROLOGIC SERVICE AREA
6/10/02	NOAA, NATIONAL WEATHER SERVICE	INDIANAPOLIS, INDIANA
	FLOOD STAGE REPORT	May 2002

STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD TIME	STAGE TO	CREST STAGE	CREST DATE	CREST TIME
-----	-----	-----	-----	-----	-----	-----	-----
SUGAR CREEK.....							
CRAWFORDSVILLE IN.	8.0	5/12	1645	5/14	12.31	5/13	1800
SUGAR CREEK...SOUTH.....							
NEW PALESTINE IN.	8.0				8.86	5/13	1530
NEW PALESTINE IN.	8.0				9.09	5/14	1800
EDINBURGH 2 NW IN.	10.0				13.93	5/08	1830
EDINBURGH 2 NW IN.	10.0				14.68	5/14	1100
TIPPECANOE RIVER.....							
ORA 1 SW IN.	11.0				13.52	5/14	2330
WINAMAC IN.	10.0				11.42	5/15	1000
MONTICELLO IN.	9.0			13,480 cfs		5/12	1800
DELPHI 6 W IN.	8.0				10.08	5/12	2200
VERMILION RIVER.....							
DANVILLE 2 SE IL.	18.0				18.54	5/13	1115
WABASH RIVER.....							
LINN GROVE IN.	11.0				11.31	5/15	0700
BLUFFTON IN.	10.0				11.85	5/15	2300
WABASH IN.	12.0				11.08	5/12	1700
PERU IN.	20.0				9.60	5/15	1900
LOGANSPOUT CICOTT ST IN.	17.0				9.32	5/13	2100
LAFAYETTE IN.	11.0	4/28	0945	5/03	14.52	4/29	1600
LAFAYETTE IN.	11.0	5/12	1430	5/20	17.67	5/14	0800
COVINGTON IN.	16.0	4/28	1530	5/04	19.06	4/30	2300
COVINGTON IN.	16.0	5/12	1430	5/21	22.22	5/15	1900
MONTEZUMA IN.	14.0	4/28	0045	5/06	20.81	4/29	1000
MONTEZUMA IN.	14.0	5/07	0500		19.70	5/08	1200
MONTEZUMA IN.	14.0			5/24	27.15	5/14	1900
TERRE HAUTE WTR CORP IN.	14.0	4/28	1200		19.05	5/03	1800
TERRE HAUTE WTR CORP IN.	14.0				19.18	5/09	0200
TERRE HAUTE WTR CORP IN.	14.0			5/25	23.28	5/15	1200
HUTSONVILLE IL.	16.0	4/27	2100		21.10	5/04	0300
HUTSONVILLE IL.	16.0				22.20	5/10	0700
HUTSONVILLE IL.	16.0			5/29	25.30	5/16	2100
RIVERTON IN.	15.0	4/27	2030		19.21	5/03	2200
RIVERTON IN.	15.0				20.05	5/11	0100
RIVERTON IN.	15.0			5/29	22.81	5/17	1700
VINCENNES IN.	17.5	4/30	2330		19.73	5/04	2100

VINCENNES IN.	17.5				22.31	5/11	2359
VINCENNES IN.	17.5			5/27	26.46	5/17	2300
VINCENNES 1 W IN.	16.0	4/29	1500		18.85	5/05	0725
VINCENNES 1 W IN.	16.0				21.50	5/12	0730
VINCENNES 1 W IN.	16.0			5/28	25.45	5/17	2000
MOUNT CARMEL IL.	19.0	4/15	1900		21.25	4/22	2300
MOUNT CARMEL IL.	19.0			5/28	32.35	5/17	1700
NEW HARMONY IN.	15.0				21.79	5/18	1500
WEST FORK BLUE RIVER.....							
Salem IN.	12.0				13.12	5/08	1100
WHITE LICK CREEK.....							
MOORESVILLE IN.	17.0				19.47	5/07	1330
MOORESVILLE IN.	17.0				20.09	5/13	1230

NWS FORM E-3 U.S. DEPARTMENT OF COMMERCE HYDROLOGIC SERVICE AREA
NOAA, NATIONAL WEATHER SERVICE INDIANAPOLIS, INDIANA
6/10/02 FLOOD STAGE REPORT May 2002

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

WHITE RIVER.....							
MUNCIE IN.	9.0	5/13	0615	5/14	9.61	5/14	0300
ANDERSON WATERWORKS IN.	10.0	5/12	2345	5/14	14.94	5/13	2359
ANDERSON SEWAGE PLAN IN.	10.0				14.47	5/13	2300
NOBLESVILLE IN.	14.0	5/13	0030	5/16	20.65	5/14	1100
NORA IN.	11.0	5/13	0345	5/16	16.57	5/14	2300
BROAD RIPPLE DAM IN.	6.0				8.30	5/14	2359
RAVENSWOOD IN.	6.0	5/13	0345	5/16	10.60	5/14	2345
INDIANAPOLIS MORRIS IN.	16.0	5/13	2000	5/15	16.63	5/14	0915
STOUT GENERATING STA IN.	10.0				12.24	5/13	2300
CENTERTON 1 S IN.	12.0	5/07	1030	5/09	15.29	5/07	2200
CENTERTON 1 S IN.	12.0	5/13	0100	5/17	17.06	5/14	0300
CENTERTON IN.	603.0	5/07	1200	5/09	606.10	5/07	2359
CENTERTON IN.	603.0	5/13	0300	5/09	608.34	5/14	0730
SPENCER IN.	14.0	4/28	1545	5/02	17.78	4/30	1100
SPENCER IN.	14.0	5/07	1515	5/12	20.53	5/09	1400
SPENCER IN.	14.0	5/12	2200	5/19	22.85	5/15	0800
WORTHINGTON IN.	18.0				22.55	5/01	0800
WORTHINGTON IN.	18.0				24.56	5/10	0800
WORTHINGTON IN.	18.0				26.46	5/16	1500
ELLISTON IN.	18.0	4/22	0400	5/04	23.86	5/02	0800
ELLISTON IN.	18.0	5/07	0700		26.23	5/11	0700
ELLISTON IN.	18.0			5/21	28.30	5/16	1500
NEWBERRY IN.	13.0	4/28	0230	5/04	18.69	5/02	1500
NEWBERRY IN.	13.0	5/06	1900		21.06	5/11	1200
NEWBERRY IN.	13.0				22.24	5/14	1400
NEWBERRY IN.	13.0			5/21	24.22	5/17	0600
EDWARDSPORT IN.	15.0	4/22	1900	5/06	20.90	5/03	1800
EDWARDSPORT IN.	15.0	5/06	1000	5/23	25.20	5/17	2359
PETERSBURG 3 NE IN.	16.0				22.08	5/05	0600
PETERSBURG 3 NE IN.	16.0				26.53	5/14	0800
PETERSBURG 3 NE IN.	16.0				26.51	5/19	1500
PETERSBURG IN.	16.0	4/14	1415		20.43	4/20	0300
PETERSBURG IN.	16.0				22.29	5/05	0600
PETERSBURG IN.	16.0				25.89	5/14	1000
PETERSBURG IN.	16.0			5/26	25.84	5/19	1200
HAZLETON IN.	16.0	4/14	1900		20.50	4/20	0900

HAZLETON IN.	16.0		22.60	5/07	0700
HAZLETON IN.	16.0	5/27	28.00	5/20	0600
WHITEWATER RIVER.....					
ECONOMY 2 NW IN.			7.08	5/12	1900
ECONOMY 2 NW IN.			6.68	5/13	1345
ALPINE 2 NE IN.	14.0		18.69	5/13	2100
BROOKVILLE IN.	20.0		16.21	5/13	2100
WILDCAT CREEK.....					
JEROME 1 SE IN.			11.20	5/13	1400
KOKOMO IN.	10.0		11.75	5/13	2359
LAFAYETTE 4 NE IN.	10.0		11.66	5/14	0300
Whiskey Run.....					
Marengo IN.	8.0		7.69	5/12	2330
YOUNGS CREEK.....					
AMITY IN.	7.0		11.21	5/07	2145
AMITY IN.	7.0		10.63	5/13	1915

Beginning October 3, 1994, the Chicago office assumed the Hydrologic Service Area of streams and rivers in the following northern Indiana counties: Lake, Porter, LaPorte, St. Joseph, Elkhart, Newton, Jasper, Starke, Marshall, Kosciusko, Benton, White, Pulaski and Fulton counties. This included the following Indiana rivers: Kankakee, Iroquois, St. Joseph, Yellow and much of the Tippecanoe Rivers. Beginning July 15, 1998, the Chicago office transferred the following northern Indiana counties to North Webster, Indiana: LaPorte, St. Joseph, Elkhart, Starke, Marshall, Kosciusko, White, Pulaski and Fulton counties. This includes the St. Joseph, Yellow, much of the Tippecanoe and the headwaters of the Kankakee Rivers..

Beginning December 1, 1994, the Wilmington, Ohio office assumed the Hydrologic Service Area of streams and rivers in the following east central and southeast Indiana counties: Dearborn, Fayette, Franklin, Ripley, Ohio, Switzerland, Union and Wayne. This included most of the Whitewater River Watershed in Indiana.

Beginning September 1, 1995, the Louisville, Kentucky office assumed the Hydrologic Service Area of streams and rivers in the following south central Indiana counties: Orange, Washington, Scott, Jefferson, Crawford, Harrison, Floyd, and Clark. This included the Blue River Watershed in south central, the Muscatatuck River Drainage in Jefferson County and most of the Lost River in south central Indiana.

Beginning February 1, 1996, the Louisville, Kentucky office assumed the Hydrologic Service Area of the streams and rivers in the following south central and southwest Indiana counties: Dubois and Perry. This included the Anderson River along the Perry/Spencer county line.

Beginning February 1, 1996, the Paducah, Kentucky office assumed the Hydrologic Service Area of the streams and rivers in the following southwest Indiana counties: Gibson, Pike, Posey, Spencer, Vanderburgh and Warrick. This included the Wabash River in the New Harmony, Indiana area.

Beginning July 15, 1998, the North Webster, Indiana office assumed the Hydrologic Service Area of the streams and rivers in the following north central and northeast Indiana counties: Lagrange, Steuben, Noble, Dekalb, Whitley, Allen, Adams, Wells, Huntington, Wabash, Grant, Blackford and Jay. This included the headwaters of the Wabash River, the Indiana portion of the St. Joseph, St. Marys and Maumee Rivers , the Salamonie and Eel Rivers and the downstream portion of the Mississinewa River .

Station File.

It is necessary to E-mail to the following people:

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The NWS 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: June YEAR: 2002
TO: Hydrometeorological Information Center NWS/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.

For the first time since January, rivers did not reach flood stage in the Indianapolis HSA. Near bankfull conditions occurred along the East Fork White in Jackson County during the first week of June and a few small streams reached bankfull levels in central Indiana during the last week of June. This was in stark contrast to widespread and prolonged flooding experienced during May.

Monthly rainfall for the HSA varied greatly. Monthly totals ranged from slightly over 1 inch to less than 8 inches. Portions of central and southeast Indiana received the most monthly rainfall, while locations in west central Indiana received the least. Most locations received 2 to 5 inches for the month. Rainfall was below normal at most locations for the first time since February.

Rainfall during the first half of June generally fell in western Indiana north of Terre Haute and in southern Indiana south of Indianapolis. Rain of 2 to 4 inches fell in most locations within this area. The most significant rain in the HSA during this period occurred twice. Rain of 2 to 4 inches fell in southern Decatur and northern Jennings counties in southeast Indiana on the night of the 5th and another rain of 2 to 4 inches fell in Vermillion, Parke and southern Montgomery counties on the night of the 11th in west central Indiana.

Because of the widespread flooding during May, rainfall during the first half of June interrupted planting operations. As a result, some agricultural lands along the Wabash, White and East Fork White were left fallow. The lack of rain from the 16th through the 24th allowed farmers to complete planting as much as possible and apply fertilizers and herbicides.

Rainfall from the 25th through the 27th was not uniform in the CWA. Rainfall was concentrated in portions of central and southeast Indiana. Some central and southern Indiana areas received more than 3 inches during the period. Much of the remaining portions of the HSA received little rain.

The greatest rainfall of the month in Indiana occurred in downtown Fort Wayne, just outside of the Indianapolis HSA. Rain of 4 to 8 inches fell during the evening of 26th and early morning of the 27th in downtown Fort Wayne.

Monthly temperatures during June averaged 1 to 2 degrees above normal. Above normal temperatures prevailed from the end of May to June 4th. Much of Indiana experienced the first 90 degree temperatures of the year at this time. High temperatures dropped briefly into the upper 60s and low 70s on the 6th, but summer-like heat returned by the 9th. High temperatures dropped generally into the 70s from the 13th to the 16th. After the 18th, warm and muggy conditions prevailed through the end of June.

The warmest temperatures during June occurred during the last third of the month. Highest temperatures were in the low 90s. The lowest temperature during June in the HSA occurred on the 7th or 17th. Lowest temperatures were in the upper 40s and low 50s. The temperatures exceeded 89 degrees on 2 to 6 days in the HSA.

Rain fell on 10 to 12 days during the month. Rain of an inch or more occurred on 1 to 2 days during the month in isolated locations in central and southern Indiana. Many locations in the HSA did not receive an inch of rain in a day during June.

At the end of June, most streams were at near normal levels. Soils were becoming dry in portions of east central and southwest areas of the HSA. Soils in the remaining portions of the HSA had adequate moisture.

Area

NOAA, National Weather Service

Indianapolis, Indiana

9/21/2006 Flood Stage Report

June 2002

Time	Stream and Location	Flood Stage	Above Flood From	Flood Time	Stage To	Crest Stage	Crest Date
-	-----	-----	-----	-----	-----	-----	-----
2359	Big Raccoon Creek..... Fincastle IN.	11.0				8.90	6/25
1930	Back Creek..... Leesville					7.90	6/27
0200	Buck Creek..... Acton IN.	9.0				8.00	6/28
0800	Eagle Creek..... Zionsville IN.	9.0				7.03	6/26
2000	Zionsville IN.	9.0				7.55	6/27
1545	Speedway IN.	9.0				8.03	6/26
2300	East Fork White River..... Rockford IN.	12.0				11.46	6/06
2115	Little Buck Creek..... Indianapolis IN.					5.85	6/27
1430	Little Eagle Creek..... Speedway IN.					6.58	6/25
2115	Muscatatuck River..... Deputy IN.	15.0				15.59	6/06
1330	Vernon 1SW IN.	17.0				12.11	6/06
1900	Sugar Creek..... Crawfordsville IN.	8.0				3.94	6/26

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Station File.

It is necessary to E-mail to the following people:

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MONTHLY REPORT OF RIVER AND
FLOOD CONDITIONS

REPORT FOR:

MONTH: July

YEAR: 2002

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

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

This was the warmest and driest July for the HSA since 1999. Most areas had temperatures above 89 degree for at least half of the month and many areas received below normal monthly rainfall. During July, minimum temperatures rarely fell below 60 degrees and measurable rain occurred infrequently.

For the second consecutive month, rivers did not reach flood stage in the Indianapolis HSA. However, one significant flash flood event occurred during July. Dry soils and thirsty vegetation soaked up much of the rain that fell during July. Streams levels generally declined during the month.

Monthly rainfall for the HSA varied greatly. Monthly totals ranged from around a quarter of an inch to less than 8 inches. Portions of central and southeast Indiana received the most monthly rainfall, while locations in south central Indiana received the least. Most locations received 1 to 3 inches for the month. Rainfall was below normal in many areas for the second straight month.

Little or no rain fell in the HSA from June 28th through July 8th and temperatures were generally in the 90s. This combination dried out soils and placed crops under stress. The first rain during July fell on the 9th. Some isolated areas received more than 2 inches of rain, but most areas received less than an inch. This rain brought limited relief to stressed crops for most areas. Storms on the evening of the 9th also spawned an F-0 tornado in Henry County. Slightly cooler and dry weather prevailed from 10th through the 16th.

A rather stormy period began on the 17th and continued for the remainder of July. At times, temperatures would soar into the

lower to mid 90s and storms would often follow sometimes producing locally heavy rains and high winds.

During this period the most significant rain event occurred on the afternoon of the 19th. Rain of 4 to 6 inches fell in about 3 to 4 hours in central Hancock County. The resulting flash flood filled some city streets with 3 feet of water and inundated cars left at the city park along Brandywine Creek.

Two lesser flash flood events occurred in west central Indiana. One occurred during the evening of the 22nd when 3 to 4 inches fell in southern Warren and northern Fountain Counties. The other occurred during the evening of the 28th when 3 to 4 inches fell in an isolated portion of northern Fountain County. Flash flooding affected local roads in both situations.

Brief, widespread strong winds for a line of thunderstorms downed numerous tree limbs, several trees and some power lines during the afternoon of the 29th. In most areas temperatures went from the lower 90s to the middle 70s after the passage of these storms.

Monthly temperatures for July averaged 2 to 3 degrees above normal. The warmest temperatures during the month occurred during the last third of the month. Highest temperatures were in the middle 90s to low 100s. The lowest temperature during July occurred on the 12th. Minimum temperatures were in the upper 50s. The temperature exceeded 89 degrees on 14 to 16 days in the HSA.

Rain fell on 6 to 8 days during the month. Rain of an inch or more occurred on 1 to 2 days during the month at isolated locations. Many locations in the HSA did not receive an inch of rain in a day during July. For Indianapolis, measurable rain fell on only 7 days during July. The last time this occurred was in 1974. Normally rain occurs about 13 days during July.

At the end of July, most streams were at below normal levels. Soils were dry in almost the entire HSA.

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Beginning September 1, 1995, the Louisville, Kentucky office assumed the Hydrologic Service Area of streams and rivers in the following south central Indiana counties: Orange, Washington, Scott, Jefferson, Crawford, Harrison, Floyd, and Clark. This included the Blue River Watershed in south central, the Muscatatuck River Drainage in Jefferson County and most of the Lost River in south central Indiana.

Beginning February 1, 1996, the Louisville, Kentucky office assumed the Hydrologic Service Area of the streams and rivers in the following south central and southwest Indiana counties: Dubois and Perry. This included the Anderson River along the Perry/Spencer county line.

Beginning February 1, 1996, the Paducah, Kentucky office assumed the Hydrologic Service Area of the streams and rivers in the following southwest Indiana counties: Gibson, Pike, Posey, Spencer, Vanderburgh and Warrick. This included the Wabash River in the New Harmony, Indiana area.

Beginning July 15, 1998, the North Webster, Indiana office assumed the Hydrologic Service Area of the streams and rivers in the following north central and northeast Indiana counties: Lagrange, Steuben, Noble, Dekalb, Whitley, Allen, Adams, Wells, Huntington, Wabash, Grant, Blackford and Jay. This included the headwaters of the Wabash River, the Indiana portion of the St. Joseph, St. Marys and Maumee Rivers , the Salamonie and Eel Rivers and the downstream portion of the Mississinewa River .

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lbridges@dem.state.in.us
rgrant@purdue.edu
snewhous@dem.state.in.us

MONTHLY REPORT OF RIVER AND
FLOOD CONDITIONS

REPORT FOR:

MONTH: August YEAR: 2002

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).



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Warm and dry weather continued during August throughout much of the HSA. During early August, many areas experienced the hottest temperatures in slightly more than 3 years. While much of the HSA received less than 50% of normal monthly rainfall, portions of west central Indiana received over 300% of normal.

The most significant rainfall of the summer in the HSA occurred during the early morning of the 19th. Rain of 4 to more than 10 inches fell in about 6 hours in Warren, Fountain, northern Vermillion, southern Tippecanoe and northern Montgomery counties. Serious flash flooding occurred in most of Warren and Fountain counties. Flooding closed many local roads and caused the cancellation of schools. Flooding damaged some agricultural crops, washed out culverts and gravel roads. The excessive rain caused at least one wastewater treatment to overflow and flooded numerous basements.

Flash flood waters quickly entered the Wabash River from Sugar Creek, the Vermilion River and the main stem of the Wabash River in the Covington area. Lowland river flooding occurred in the Montezuma area less than 24 hours after the end of the rain. For a few hours, the river was rising at more than 1 1/2 feet per hour.

The flood wave that developed in the Montezuma area quickly spread downstream at slightly more than 3 miles per hour. Flooding was limited to the Montezuma area, but the river rose 7 to 11 feet from Terre Haute to Vincennes. The leading edge of the former flood wave reached the Ohio River in about 3 1/2 days.

Another flash flood event occurred in very nearly the same area late in the evening on the 22nd. Rain of 2 to 4 inches fell in this very wet section of west central Indiana. The resulting

flash flood was not as significant in west central Indiana as the one on the 19th. Another flood wave developed in the Montezuma and raced again down the Wabash River. Once again, flooding only occurred in the Montezuma area.

For the week ending 7 am August 23, 8 to 12 inches of rain had fallen in southern Warren, northern Vermillion, central Fountain, southern Tippecanoe and northern Montgomery counties. A 20 to 40 mile wide band of 4 or more inches had fallen in an area of central Indiana centered along a line from Williamsport in west central Indiana to Elwood in central Indiana. This band of rain was more than 70 miles wide just west of the Illinois-Indiana state line and covered nearly all of Vermilion county Illinois. Water from Vermilion County Illinois flows directly into the Wabash River.

Much of the HSA did not receive such abundant rain for August. This was the third consecutive month with below normal rainfall in much of the HSA. Month rainfall ranged from less than an inch in areas of central and southern Indiana to over 12 inches in isolated areas of west central Indiana. Much of the HSA received from 1 to 3 inches of rain during the month.

Monthly rainfall at the Indianapolis airport tied for the 17th driest of record and was as dry as 1992. For the meteorological summer, only one half of the normal rainfall occurred. This was the driest summer since 1967. The July 1 through August 31 period was the 6th driest of record and the driest since 1941. Since July 1, less than 38% of normal rainfall has occurred at Indianapolis.

During August rain fell on 4 to 8 days in the HSA. An inch or more of rain fell on 1 or 2 days in portions of central Indiana. Many locations in the HSA did not receive an inch of rain in a day during August.

The prolonged warmth of the summer continued during August. Monthly temperatures ranged from 1 to nearly 4 degrees above normal across the HSA. This was the 3rd consecutive month with above normal temperatures. Temperatures were above normal on all but about 4 or 5 days during the month.

The warmest temperatures during the month occurred on the 4th when temperatures reached into the middle and upper 90s. The lowest temperature during August occurred on the 7th when temperatures fell briefly into the 50s. The temperature exceeded 89 degrees on 11 to 16 days in the HSA.

For the Indianapolis area, the maximum temperature reached 80 degrees or higher on all the days during August, continuing a

trend that began on June 17. This was the first time in Indianapolis weather records that the maximum temperature reached 80 degrees or higher during all the days in both July and August.

At Indianapolis, August 2002 was the 10th warmest of record and the warmest since 1995. The temperature reached 90 degrees or higher on 11 days, nearly 3 times normal. Through August, this was the most 90 degree days since 1995.

Except for portions of central Indiana, crops remained under stress in much of the HSA for all of August. At the end of August, soils were very dry in most areas and except for the Wabash River, streams were at below normal levels.

9/04/02

FLOOD STAGE REPORT

August 2002

STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD TIME	STAGE TO	CREST STAGE	CREST DATE	CREST TIME
M.F. Vermilion River.....							
Oakwood 2 NE IL.					8.55	8/19	1615
Oakwood 2 NE IL.					9.62	8/23	1030
N.F. Vermilion River.....							
Bismarck 2 W IL.					13.07	8/19	0645
Bismarck 2 W IL.					18.89	8/20	0330
Bismarck 2 W IL.					13.95	8/22	2315
Bismarck 2 W IL.					13.18	8/24	0230
SUGAR CREEK.....							
CRAWFORDSVILLE IN.	8.0				5.12	8/19	1700
CRAWFORDSVILLE IN.	8.0				5.36	8/19	1200
CRAWFORDSVILLE IN.	8.0				3.79	8/23	1700
VERMILION RIVER.....							
DANVILLE 2 SE IL.	18.0				15.90	8/20	1815
DANVILLE 2 SE IL.	18.0				14.93	8/23	1645
WABASH RIVER.....							
COVINGTON IN.	16.0				14.53	8/19	1800
COVINGTON IN.	16.0				10.51	8/23	0800
COVINGTON IN.	16.0				10.64	8/24	0500
MONTEZUMA IN.	14.0	8/20	0030	8/21	15.68	8/20	1100
MONTEZUMA IN.	14.0	8/23	2300	8/24	14.73	8/24	0800
TERRE HAUTE WTR CORP IN.	14.0				12.85	8/21	0300
TERRE HAUTE WTR CORP IN.	14.0				12.37	8/24	2000
HUTSONVILLE IL.	16.0				14.80	8/21	1900
HUTSONVILLE IL.	16.0				14.70	8/25	1500
RIVERTON IN.	15.0				12.99	8/22	0200
RIVERTON IN.	15.0				12.82	8/25	1800
VINCENNES IN.	17.5				11.73	8/22	1300
VINCENNES IN.	17.5				11.81	8/26	0300
VINCENNES 1 W IN.	16.0				10.50	8/22	1330
VINCENNES 1 W IN.	16.0				10.45	8/26	0700
MOUNT CARMEL IL.	19.0				7.64	8/23	0600
MOUNT CARMEL IL.	19.0				7.85	8/26	2200
NEW HARMONY IN.	15.0				5.15	8/23	1900
NEW HARMONY IN.	15.0				5.39	8/27	0800

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Beginning February 1, 1996, the Louisville, Kentucky office assumed the Hydrologic Service Area of the streams and rivers in the following south central and southwest Indiana counties: Dubois and Perry. This included the Anderson River along the Perry/Spencer county line.

Beginning February 1, 1996, the Paducah, Kentucky office assumed the Hydrologic Service Area of the streams and rivers in the following southwest Indiana counties: Gibson, Pike, Posey, Spencer, Vanderburgh and Warrick. This included the Wabash River in the New Harmony, Indiana area.

Beginning July 15, 1998, the North Webster, Indiana office assumed the Hydrologic Service Area of the streams and rivers in the following north central and northeast Indiana counties: Lagrange, Steuben, Noble, Dekalb, Whitley, Allen, Adams, Wells, Huntington, Wabash, Grant, Blackford and Jay. This included the headwaters of the Wabash River, the Indiana portion of the St. Joseph, St. Marys and Maumee Rivers , the Salamonie and Eel Rivers and the downstream portion of the Mississinewa River .

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MONTHLY REPORT OF RIVER AND
FLOOD CONDITIONS

REPORT FOR:

MONTH: September YEAR: 2002

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.

September 2002 will be remembered for the big tornado that struck southern and central Indiana on the 20th. The storm system produced 5 tornadoes, one which was on the ground for 112 miles and lasted over 2 hours. Maximum damage was rated an F3 on the Fujita Scale.

September began hot and dry. Hot temperatures and dry weather continued unabated through the 10th. Temperatures were in the middle and upper 90s for much of the HSA on the 7th through 9th. Fire danger was becoming an increasing threat in portions of central and southern Indiana as a result of the prolonged dry spell since the middle of June.

Cooler weather on the 11th ended the string of 86 days with a temperature of 80 degrees or higher at Indianapolis. No rain occurred with the arrival of cooler conditions. Portions of east central Illinois and southwest Indiana received 2 to 4 inches of rain on the 14th and 15th. Much of the remainder of the HSA received less than an inch of rain.

The dry spell for part of central and most of southern Indiana began to end on the 17th. Most of the HSA received 2 to nearly 6 inches of rain on the 19th and 20th. The heaviest rain occurred along and just west of the White River from the Vincennes area to just west of Indianapolis. Because of the previous extremely dry conditions, river levels showed only a slight response to this rain.

During the morning of the 20th, a storm entered extreme southwest Indiana around 10:45 am. A tornado struck near Poseyville in Posey County at 10:50 am, but dissipated in northeast Posey County. As the storm continued northeast, another tornado

touched down in northern Pike County at 11:45 am and dissipated in western Daviess County.

As this storm moved northeast, it intensified. At 12:59 pm a large tornado struck just outside of Ellettsville in western Monroe County. This tornado tracked northeast through Martinsville in Morgan County, south and eastside sides of Indianapolis and finally dissipated near Hartford City in Blackford County. The tornado was on the ground for 112 miles and lasted over 2 1/4 hours.

The greatest damage from this tornado occurred in Ellettsville, Martinsville, Greenwood, Southport and Beech Grove. The damage was rated F3 on the Fujita Scale. This tornado had the second longest track of any tornado in Indiana and created the most damage since the April 3, 1974 outbreak. This was biggest September tornado for southern and central Indiana. Total damage exceeded 50 million dollars.

Other areas experiencing damage include Poseyville, Monroe City, McCordsville, Anderson, Alexandria and Hartford City. Because the largest tornado went through the Hoosier National Forest, many local roads were blocked by downed trees. Thousands of homes were without power following these storms.

Two other small tornadoes occurred that afternoon. One in northeast Henry County at 2:47 pm and another in central Rush County at 3:03 pm.

Nearly three days after the big tornado, the coolest weather in nearly 4 months occurred on the 23rd. Temperatures dipped into the upper 30s and middle 40s in the HSA.

Mostly dry weather returned on the 21st and remained through the afternoon of the 26th. Remnants of Isadore dropped 1 to over 7 inches of rain on central and southern Indiana during the evening of the 26th and morning of the 27th. The heaviest rain of 5 to 8 inches fell in a 10 to 20 mile wide band from Corydon in south central Indiana to Lawrenceburg in southeast Indiana. Much of this area had received little rain from the storms of the 19th and 20th and as a result flooding was generally confined to lowlands.

The only flooding in the HSA occurred on the 27th and 28th. The headwaters of the Muscatatuck River flooded in southeast Jackson County. A headwater location near Deputy just upstream of this area rose 20 feet overnight. The river rose at the rate of 5 feet an hour for 2 hours at Deputy.

After nine days with temperatures below 80 degrees, warm weather returned on the 29th and 30th. Maximum temperatures once again exceeded 80 degrees as warm weather prevailed into early October.

After receiving little rainfall during the first 18 days of September, much of the monthly precipitation fell on the 19th, 20th, 26th and 27th. Monthly rainfall ranged from around 1 inch in western and northern portions of the HSA to more than 8 1/2 inches in the southern portions of the HSA. Most areas received 3 to 5 inches of rain for the month. This was the first time since May that much of the HSA had received above normal monthly rainfall.

During September areas of central Indiana that missed rain during the summer were favored and those areas of west central Indiana favored during the summer received significantly less monthly rainfall. Before rains returned to central Indiana, only 3.24 inches of rain had fallen at Indianapolis from June 28 through September 17. This surpassed the previous driest amount of 3.26 inches set in 1893 for the same period.

During September rain fell on 6 to 9 days in the HSA. An inch or more of rain fell on 1 or 2 days in much of the HSA. Some locations in the northern section of the HSA did not receive an inch of rain in a day during September.

The prolonged warmth of the summer continued during September. Monthly temperatures ranged from 4 to 5 degrees above normal across the HSA. This was the 4th consecutive month with above normal temperatures. Temperatures were above normal on all but 4 days during the month.

The warmest temperatures during the month occurred on the 7th through the 9th when temperatures reached into the lower and middle 90s. The temperature exceeded 89 degrees on 6 to 8 days during the first 10 days of September.

At Indianapolis, September 2002 was tied for the 15th warmest of record and the warmest since 1941. The temperature reached 90 degrees or higher on 6 days, 3 times normal. The total number of 90 degree or higher days at Indianapolis this summer season was 36 or twice the normal. The last time more 90 degree or higher days occurred at Indianapolis was during the drought year of 1988.

Rainfall came too late to help most crops. Pastures improved significantly because of the abundant rainfall and cooler temperatures. At the end of September, soils were somewhat dry to near normal in most areas and streams were at normal levels.

10/04/02

FLOOD STAGE REPORT

September 2002

STREAM AND LOCATION	FLOOD STAGE	ABOVE FROM	FLOOD TIME	STAGE TO	CREST STAGE	CREST DATE	CREST TIME
Silver Creek..... Sellersburg	20.0				17.40	9/27	2100
Blue River..... Fredericksburg	20.0				10.44	9/27	1430
Harberts Creek..... Madison	6.0				7.29	9/27	0730
Muscatatuck River..... Deputy	15.0				22.55	9/27	1415
Vernon	17.0				9.08	9/27	1430

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rgrant@purdue.edu
snewhous@dem.state.in.us

MONTHLY REPORT OF RIVER AND
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MONTH: October YEAR: 2002

TO: Hydrometeorological Information Center
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Relatively dry weather returned to the month of October for the year 2002. The previous two Octobers had been on the wet side which had delayed fall harvest. Despite the late planting, fall harvest was nearly on schedule because of favorable weather during October.

This was the driest October for much of the HSA since 1999 and the coldest since 1993. Monthly rainfall ranged from 1 1/2 to nearly 5 inches and temperatures averaged 1 to 2 1/2 degrees below normal.

Warm weather from the last days of September prevailed through the 4th. Temperatures were near season levels through the 12th before the colder than normal weather set in on the 13th. This cold trend snapped the string of above normal monthly temperatures since June.

Despite colder than normal temperatures, freezing temperatures did not occur at the Indianapolis airport during October. This ended a record 15 year span when temperatures did reach freezing during October. The previous record was 14 years from 1957 through 1970.

Rainfall in the HSA during October ranged from below normal in northern sections to above normal in southern areas. Monthly total ranged from 1 1/2 inches to nearly 5 inches. Most locations measured 2 to 4 inches for October.

Much of the rain during October fell after the 24th. Rainfall over an inch was common on the 25th and 29th in much of southern Indiana. Rain earlier in October occurred on the 4th and 19th, with amounts generally under one half of an inch.

Rivers and streams in the northern and central portions of the HSA showed little response to October's rain. Although rainfall was above normal in southern Indiana, rivers and streams remained below half bankfull levels. The above normal rain continued to improve pastures and alleviate fire danger in southern Indiana.

Rain fell on 6 to 11 days in the HSA during October. An inch or more of rain fell on 1 day in southern portions of the HSA. Many locations in the northern and central sections of the HSA did not receive an inch of rain in a day during October.

The warmest temperatures for the month occurred on the 1st through 3rd when temperatures reached into the lower and middle 80s. The coldest temperatures during October in the HSA occurred on the 14th or 20th. Minimum temperatures dropped into the upper 20s and lower 30s. Temperatures fell below freezing on 2 days in most areas of the HSA.

At the end of October, streams levels were near normal in northern and central portions of the HSA and above normal in the southern portion. Soil moisture was adequate for most areas. Driest areas were in the northern portions of the HSA and the wettest in the southern portions.

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Station File.

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MONTHLY REPORT OF RIVER AND
FLOOD CONDITIONS

REPORT FOR:

MONTH: November YEAR: 2002

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.

November continued the trend of colder than normal temperatures and below normal precipitation experienced during October. The only significant rainfall during November occurred on the 9th and 10th. The rain on these days accounted for more than 2/3 of the monthly rainfall for most locations. The average daily temperature was below normal for more than 20 days.

November began on a very cold note. Temperatures only reached into the 40s through the 6th. Very warm and moist air was arrived on the 8th, 9th and 10th. An approaching cold front caused storms and heavy rain to develop in the moist air.

Rain of 1 to 2 1/2 inches fell in much of the CWA from late on the 9th through the evening on the 10th. This rain caused streams and rivers to rise and approach half full bank levels. Standing water remained in some poorly drained areas. This was the only significant rain event of the month.

Strong storms developed in portions Indiana during the afternoon of the 10th. A few of these storms approached severe limits in the Indianapolis HSA with hail reported in several areas. Severe weather and 3 tornadoes developed just outside of the HSA in east and northeast Indiana.

The most violent tornado was in the Berne area in Adams County and was classified an F3. An F4 tornado struck the Van Wert, Ohio area. Four people were killed in northwest Ohio as a result of this tornado. The last time Indiana experienced November tornadoes was on November 22, 1992.

After the 10th, temperatures were generally below normal for the remainder of the month. As a result, monthly temperatures

ranged from 2 1/2 to 3 degrees below normal across the Indianapolis HSA. This was the coldest November since 2000.

The first measurable snow occurred in the HSA on the 22nd. Even colder air was ushered in on the 27th as temperatures barely rose above freezing. The following day, Thanksgiving, much of the HSA experienced the coldest temperatures of the month as temperatures fell into the upper teens and lower 20s. The biggest snow of the month occurred on the 30th as lake effect snow dropped as much as 3 inches of snow in portions of eastern and northern portions of the HSA.

Rainfall in the HSA was below normal during November. Monthly totals ranged from near 2 inches to slightly over 3 1/2 inches. Most locations measured 2 to 3 inches for November.

Snowfall amounts also were below normal for November. Snow of 1/2 to 4 inches fell in the HSA. Most locations received less than an inch during November. Snow occurred after the 21st.

Rivers and streams in HSA showed a moderate response to the rain on the 9th and 10th. Precipitation during the remainder of November caused little change in stream levels.

Measurable precipitation fell on 9 to 10 days in the HSA during November. An inch or more of rain fell on 1 day in the HSA.

The warmest temperatures for the month occurred on the 10th when temperatures reached into the upper 60s and lower 70s. The coldest temperatures during November in the HSA occurred on the 27th or 28th. Minimum temperatures dropped into the upper teens and lower 20s. Temperatures fell below freezing on 9 to 12 days in the HSA.

At the end of November, streams levels were near normal in all of the HSA. Soil moisture was normal for most areas of the HSA.

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Beginning December 1, 1994, the Wilmington, Ohio office assumed the Hydrologic Service Area of streams and rivers in the following east central and southeast Indiana counties: Dearborn, Fayette, Franklin, Ripley, Ohio, Switzerland, Union and Wayne. This included most of the Whitewater River Watershed in Indiana.

Beginning September 1, 1995, the Louisville, Kentucky office assumed the Hydrologic Service Area of streams and rivers in the following south central Indiana counties: Orange, Washington, Scott, Jefferson, Crawford, Harrison, Floyd, and Clark. This included the Blue River Watershed in south central, the Muscatatuck River Drainage in Jefferson County and most of the Lost River in south central Indiana.

Beginning February 1, 1996, the Louisville, Kentucky office assumed the Hydrologic Service Area of the streams and rivers in the following south central and southwest Indiana counties: Dubois and Perry. This included the Anderson River along the Perry/Spencer county line.

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Christmas 2002 was a classic, storybook Christmas. Snow began falling gently during the early afternoon on the day before Christmas. As Christmas Eve approached, snow fell heavier and heavier. Late Christmas Eve, heavy snowfall at Indianapolis made it easy for Santa to arrive in the local area.

The 7.8 inches of snow that fell at Indianapolis on Christmas Eve and early Christmas morning was a record for this time period. The 5.9 inches that fell on the 24th was a record for the date. The 1.9 inches that fell on Christmas tied for the 6th largest and the greatest since 1993. Snow fall records began at Indianapolis March 1884.

The Christmas snow covered central and northern Indiana. Depths ranged from 4 to nearly 10 inches. Less snow fell in southern Indiana with amounts ranging from a trace to around 4 inches. Precipitation in southern Indiana also came in the form of freezing rain and sleet.

December had started on the cold side. The first 10 days of December averaged the coldest since 1977. While all the Service Hydrologist for the NWS were attending the first ever National Hydrologic Program Managers Conference in New Orleans, a major winter storm left snow and ice from Oklahoma to Washington, D.C. and up the East Coast. More than a million homes lost their power in the Appalachian mountains of Virginia, North Carolina, Tennessee and Georgia.

Snow of 4 to 7 inches blanketed southern Indiana on the 4th and 5th as this storm system passed south of Indiana. The heaviest snow was from the Ohio River to just north of a line from Vincennes to Brookville Lake. Only the southern portions of the

Indianapolis area had measurable snow. The coldest temperatures of the month occurred during this week of December. Temperatures fell into the single digits and low teens.

Temperature moderated after the 10th. Above normal temperature prevailed until Christmas. The warmest temperatures of the month occurred on the 18th as the maximum temperatures reached into the upper 50s and lower 60s. Temperatures were slightly below normal from the 25th to 27th. Mild temperatures returned at the very end of the month with temperatures reaching into the middle 50s.

There were two flood events during December. The first occurred less than a week before Christmas. Slightly over an inch of rain fell in central and southern Indiana on the 18th and 19th. This caused lowland flooding in Jackson County and bankfull levels along the East Fork White and White Rivers in southern Indiana.

The second event occurred at the close of 2002 and beginning of 2003 when 1 to nearly 3 inches of rain fell from the Ohio River north to the Indianapolis area. Heaviest rain was along the Ohio River and in southeast Indiana.

At the start of the New Year, lowland flooding extended along portions of the East Fork White and White Rivers in southern Indiana. Flood crests ranged from near bankfull to 4 1/2 feet above flood stage. This was the highest water in the HSA since May 2002.

As a result of the above normal temperatures and precipitation during the last 3 weeks of December, the month finished slight warmer and wetter than normal. This ended the colder and drier trend that began during October for all but the extreme northern portion of the HSA

Monthly temperatures averaged 1/2 to 1 1/2 degrees above normal. Melted precipitation total ranged from 1 to slightly over 4 1/2 inches. Snowfall totals were above normal for the HSA and ranged from 3 to 12 inches.

Measurable precipitation fell on 7 to 12 days in the HSA during December. An inch or more of rain fell on 1 to 2 days in the southern and eastern portions of the HSA.

Temperatures remained at or below 32 degrees on 5 to 9 days in the HSA. Temperatures fell below freezing on 20 to 26 days. Temperatures in the northern portions of the HSA approached but did not go below zero.

At the end of December, streams levels were high with flooding in southern Indiana. Soil moisture was high to very high for most areas of the HSA. Little or no snow remained on the ground.

STREAM AND LOCATION	FLOOD STAGE	ABOVE FROM	FLOOD TIME	STAGE TO	CREST STAGE	CREST DATE	CREST TIME
Back Creek.... Leesville IN.					4.73	12/19	1800
Leesville IN.				5.42	1/02	0715	
BIG BLUE RIVER..... SHELBYVILLE IN.	11.0				8.13	1/02	0400
BIG RACCOON CREEK..... FINCASTLE 3 W IN.	11.0				5.38	12/20	1200
FINCASTLE 3 W IN.	11.0				7.22	12/31	2300
BIG WALNUT CREEK..... REELSVILLE IN.	12.0				8.70	1/01	0300
BLUE RIVER..... FREDERICKSBURG IN.	20.0				11.90	12/20	0430
FREDERICKSBURG IN.	20.0				16.41	1/01	1730
Bonpas Creek..... Browns IL.					14.00	12/19	2215
Browns IL.					14.88	1/01	1515
CLIFTY CREEK..... HARTSVILLE IN.	10.0				4.21	12/20	0445
HARTSVILLE IN.	10.0				5.71	1/01	1900
EAGLE CREEK..... ZIONSVILLE IN.	9.0				5.97	12/31	1700
EAST FORK WHITE R..... COLUMBUS IN.	9.0				3.18	12/20	2100
COLUMBUS IN.	9.0				4.46	1/02	1030
SEYMOUR 2 N IN.	12.0	12/20	1545	12/21	12.42	12/20	2300
SEYMOUR 2 N IN.	12.0	1/01	0915	1/04	15.29	1/02	1100
BEDFORD 8SE IN.	20.0				15.44	12/23	2100
BEDFORD 8SE IN.	20.0	1/04	2100	1/06	20.75	1/05	1900
BEDFORD 4 SW IN.	20.0				17.30	1/06	0800
WILLIAMS IN.	8.0				5.40	12/24	0800
WILLIAMS IN.	8.0				7.20	1/06	0800
SHOALS HIWAY 50 BRID IN.	20.0				8.64	12/24	1900
SHOALS HIWAY 50 BRID IN.	20.0				11.49	1/02	1100
SHOALS HIWAY 50 BRID IN.	20.0				13.14	1/06	1600
EAST FORK WHITEWATER..... ABINGTON IN.	12.0				5.41	12/20	0200
ABINGTON IN.	12.0				6.18	1/01	1800
EEL RIVER..... BOWLING GREEN IN.	17.0				12.10	1/01	0800
FALL CREEK..... FORTVILLE 2 NW IN.	8.0				4.43	1/01	0300
MILLERSVILLE IN.	9.0				5.96	1/01	1630

STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD TIME	STAGE TO	CREST STAGE	CREST DATE	CREST TIME
FLATROCK RIVER..... ST. PAUL IN.	6.0				3.57	1/01	1700
HARBERTS CREEK..... Madison IN. Madison IN.	6.0 6.0				5.66 5.60	12/19 1/01	1915 0745
LITTLE RIVER..... HUNTINGTON 5 W IN. HUNTINGTON 5 W IN.	15.0 15.0				3.75 6.52	12/20 1/01	1800 0001
MIDDLE FORK ANDERSON..... BRISTOW IN. BRISTOW IN.	15.0 15.0				10.12 12.08	12/19 1/01	2000 0700
MILL CREEK..... CATARACT 3 E IN.	15.0				11.40	1/01	0200
MISSISSINewa RIVER..... RIDGEVILLE 2 E IN. RIDGEVILLE 2 E IN. MARION 2 N IN. MARION 2 N IN.	11.0 11.0 10.0 10.0				7.98 10.10 5.48 7.45	12/20 12/31 12/20 1/01	0200 1900 1600 0400
MUSCATATUCK RIVER..... Deputy 1WNW IN. Deputy 1WNW IN. VERNON 1SW 1 SW IN. VERNON 1SW 1 SW IN. Wheeler Hollow Wheeler Hollow	15.0 15.0 17.0 17.0 16 16				20.08 20.14 11.66 11.20 17.9 20.4	12/20 1/01 12/20 1/01 12/23 1/04	0515 1415 0130 1630 0800 1800
PATOKA RIVER..... JASPER IN. JASPER IN. Winslow IN. Winslow IN. Winslow IN. PRINCETON 2 MI NE IN. PRINCETON 2 MI NE IN. PRINCETON 2 MI NE IN.	14.0 14.0 18.0 18.0 18.0 18.0 18.0 18.0				13.29 14.08 18.69 19.66 19.75 12.17 13.46 13.54	12/20 1/02 12/20 1/01 1/06 12/20 1/01 1/08	1300 1700 0700 1700 0300 0200 1000 0300
PIPE CREEK..... FRANKTON PIPE CREEK IN.	12.0				8.01	1/01	0630
SALAMONIE RIVER..... WARREN 2.4 NW IN. WARREN 2.4 NW IN.	12.0 12.0				9.15 10.21	12/20 12/31	1300 2300
SALT CREEK..... HARRODSBURG 2 SE IN. HARRODSBURG 2 SE IN.	25.0 25.0				13.60 16.11	12/19 1/01	2200 1400

SILVER CREEK.....				
SELLERSBURG 2.4 SE IN.	20.0	18.51	1/01	2000
SELLERSBURG 2.4 SE IN.	20.0	17.90	12/20	0700

STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD TIME	STAGE TO	CREST STAGE	CREST DATE	CREST TIME
SOUTH FORK PATOKA R.....							
SPURGEON IN.	11.5				6.42	12/19	0530
SPURGEON IN.	11.5				7.70	1/01	0715
SUGAR CREEK.....							
CRAWFORDSVILLE IN.	8.0				3.19	12/20	1300
CRAWFORDSVILLE IN.	8.0				4.28	1/01	0100
SUGAR CREEK...SOUTH.....							
EDINBURGH 2 NW IN.	10.0				8.61	1/02	0230
WABASH RIVER.....							
LINN GROVE IN.	11.0				7.59	12/20	0900
LINN GROVE IN.	11.0				8.67	1/02	1300
BLUFFTON IN.	10.0				8.01	12/20	1100
BLUFFTON IN.	10.0				9.09	1/01	0001
WABASH IN.	12.0				7.89	12/21	0700
WABASH IN.	12.0				9.54	1/01	2100
PERU IN.	20.0				8.04	12/21	0900
PERU IN.	20.0				9.50	1/02	1600
LOGANSPOUT CICOTT ST IN.	17.0				6.31	12/21	1400
LOGANSPOUT CICOTT ST IN.	17.0				7.28	1/02	2000
LAFAYETTE IN.	11.0				8.39	1/03	0600
COVINGTON IN.	16.0				11.97	1/03	2100
MONTEZUMA IN.	14.0				9.82	1/04	0500
TERRE HAUTE WTR CORP IN.	14.0				7.79	1/04	1400
HUTSONVILLE IL.	16.0				10.90	1/05	0001
RIVERTON IN.	15.0				9.17	1/05	1200
VINCENNES IN.	17.5				9.31	1/06	0100
VINCENNES 1 W IN.	16.0				7.90	1/06	0800
MOUNT CARMEL IL.	19.0				13.59	1/06	1600
NEW HARMONY IN.	15.0				10.51	1/07	0700
WEST FORK BLUE RIVER.....							
Salem IN.	12.0				5.32	12/19	2015
Salem IN.	12.0				18.51	1/01	2000
WHITE LICK CREEK.....							
MOORESVILLE IN.	17.0				12.17	1/01	0100
WHITE RIVER.....							
NOBLESVILLE IN.	14.0				10.45	1/01	1100
NORA IN.	11.0				8.20	1/01	1600
BROAD RIPPLE DAM IN.	6.0				4.96	1/01	1900
INDIANAPOLIS MORRIS IN.	16.0				8.64	1/01	1900
STOUT GENERATING STA IN.	10.0				6.41	1/01	1600
CENTERTON 1 S IN.	12.0				8.68	1/02	0400
SPENCER IN.	14.0				12.93	1/02	2000
WORTHINGTON IN.	18.0				17.24	1/02	0800
ELLISTON IN.	18.0				18.00	1/03	0800
NEWBERRY IN.	13.0				12.20	1/03	0300
EDWARDSPOUT IN.	15.0				15.00	1/04	0800
PETERSBURG 3 NE IN.	16.0				12.50	12/22	0200
PETERSBURG 3 NE IN.	16.0				16.95	1/05	1500

PETERSBURG IN.	16.0				12.81	12/22	0800
PETERSBURG IN.	16.0	1/02	1900	1/08	17.15	1/05	1800
Hazleton IN.	16.0	1/03	2100	1/09	17.5	1/06	1600

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WHITEWATER RIVER.....							
ECONOMY 2 NW IN.					4.17	12/19	2115
ECONOMY 2 NW IN.					4.75	1/01	1530
ALPINE 2 NE IN.	14.0				10.80	12/20	1200
ALPINE 2 NE IN.	14.0				12.67	1/02	0200
BROOKVILLE IN.	20.0				6.70	12/20	0100
BROOKVILLE IN.	20.0				8.11	1/01	1600
WILDCAT CREEK.....							
JEROME 1 SE IN.					2.70	12/20	1400
JEROME 1 SE IN.					5.31	1/01	0045
KOKOMO IN.	10.0				4.92	1/01	1215
LAFAYETTE 4 NE IN.	10.0				5.14	1/02	0900
Whiskey Run.....							
Marengo IN.	8.0				3.16	12/20	0001
Marengo IN.	8.0				3.84	1/01	0700

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