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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 2001 | REPORT FOR: | |
| | MONTH: January YEAR: | |
| 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.

After one of the coldest and snowiest Decembers and months of record, January was much warmer and one of the driest and less snowy of record. Monthly temperatures ranged 1 to 2 1/2 degrees above normal. Monthly melted precipitation and snowfall were well below normal.

January began on a very cold note with a rather deep snow cover remaining from December. Snow cover gradually decreased and finally melted to a trace in central Indiana by the 16th. An inch or more of snow had remained on the ground for 34 days at Indianapolis. The last time an inch or more of snow remained on the ground longer is believed to be during 1977-78 winter.

Little precipitation fell during the first 25 days of January. Indianapolis measured only 0.03 inches of melted precipitation and 2 tenths inches of snow. During a 35 day period from December 22, 2000 through January 25, 2001 only 0.15 inches of melted precipitation occurred at Indianapolis. For a 31 day period during December and January, this was the 3rd driest of record at Indianapolis.

Almost all of the precipitation during January occurred from the 26th through the 30th. During the morning of the 26th, 1 to 2 inches of snow fell in about an hour. This intense, brief snowfall caused hundreds of accidents in central Indiana.

Rainfall of 1/2 to 1 inch fell in much of Indiana on the 29th and 30th. The combination of residual snow melt and rainfall caused near bankfull conditions along the East Fork White, White and Wabash rivers in southern Indiana. Lowland flooding occurred along portions of the Wabash River in west central Indiana.

Crests ranged from near flood stage to nearly 3 feet above flood stage. Crests were affected by ice in the Lafayette and Covington areas. Any flooding lasted less than 2 days.

Monthly melted precipitation ranged from 3/4 of an inch to 1 1/2 inches. At Indianapolis, January was the 8th driest January of record and the driest January since 1986. Indianapolis measured only 0.74 inches for the month.

Monthly snowfall ranged from 1 to 5 inches. The greatest monthly snowfall was in southern Indiana. Measurable precipitation fell on 5 to 10 days during the month. No location received an inch or more of melted liquid in a day.

Temperatures during January gradually edged upwards during the month. At the beginning of the month temperatures were more than 10 degrees below normal and by the end of the month temperatures were more than 10 degrees above normal. The maximum temperatures occurred on the 29th or 30th. Maximum temperatures ranged from the lower 40s in northern Indiana to the upper 50s in southern Indiana.

For most areas, the lowest temperatures of the month occurred on 2nd or 3rd. Minimum temperatures ranged from the single digits below zero in northern Indiana to single digits above zero in central and southern Indiana. Temperatures remained below 33 degrees on 6 to 18 days during the month. Temperatures below 33 degrees occurred 27 to 30 days during January. Temperatures lower than 1 degree were recorded on 1 to 2 days during the month at some locations in the state.

At the end of January, rivers and streams were at above normal levels with some lowland flooding in progress. Ice had broken up or melted on most of the streams and rivers in the HSA. Only a trace of snow cover remained in portions of central and northern Indiana. There was still frost in the ground in many areas of the HSA.

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 includes 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 includes 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 includes 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 including 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 includes 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 includes 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:

Paula Cadwell
John Carrant
Paula Guarino
HIC
Ken King
Mike Koch
Wendy Pearson
Beverly Rightmire
Sol Summer
Dave Teacake
dkmajors@usgs.gov
dknipe@dnr.state.in.us
anance@dnr.state.in.us
jamison.blanton@usace.army.mil
lbridges@dem.state.in.us
rgrant@purdue.edu
snewhous@dem.state.in.us

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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 2001 | REPORT FOR: | |
| | MONTH: February | YEAR: |
| 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.

February 2001 was relatively mild and saw little snowfall in the Indianapolis HSA. In contrast to January, rainfall was well distributed during February. Rainfall was near normal or above average throughout the state. Flood levels along the Wabash river were the highest in nearly 2 years.

Monthly rainfall during February ranged from less than 2 inches in southeast Indiana to nearly 5 inches in portions of northwest Indiana. Much of the state received 2 to 3 inches for the month. Although monthly precipitation was near normal at Indianapolis during February, the January through February period was the driest since 1992 and the 13th driest of record.

Monthly temperatures continued above normal. Monthly temperatures ranged 1 1/2 to 5 degrees above normal. This was the second consecutive month that the HSA experienced above normal temperatures. Although the monthly temperature at Indianapolis was 5 degree above normal, this was the coolest February since 1996.

Monthly snowfall was well below normal. Snowfall totals ranged from less than inch to slightly over 5 inches. The most snowfall occurred in northern Indiana.

Snowfall at Indianapolis was the least since 1998 and the 11th lowest for February since snowfall records began in 1884. On average, February is the second snowiest month at Indianapolis. February 2001 was the eighth consecutive February with below normal snowfall. This is the third longest string of below normal February snowfall of record. The longest is 1915-33, at 19 years, followed by 1945-58 at 14 years.

High water from January continued to recede at the beginning of February. An ice blockage, that formed on a railroad bridge just downstream of the Covington gaging site on the Wabash River during January, gave way during the late morning of the 6th. A rise of about 2 feet occurred downstream at Montezuma and 1/2 foot further downstream at Terre Haute. U.S. Geological Survey personnel reported large chunks of ice floating in the Wabash River at Terre Haute. The Indianapolis office did not receive any reports of river ice causing damage.

There were two flood events along the Wabash River during February. The first one began on the 9th following rains of 3/4 to 1 1/2 inches. The heaviest rain was in western and northern Indiana. This flood lasted 14 days and was the highest in nearly 2 years. Additional rain of about 1/4 to 1/2 inch fell on the 14th. This help prolonged the flood event.

Just as the first flood along the Wabash was ending, another began on the 25th. Rainfall was heaviest in portions of northern Indiana. Three inches fell just outside the Wabash River Drainage. This time the greatest contributors to the Wabash River flooding was the Tippecanoe and Vermilion Rivers. These watersheds received more than 1 1/2 inches of rain. Flooding affected areas that were previously flooded during February.

The White River responded to rain events during February. The White river in southwest Indiana was the only location to briefly reach flood stage.

Flooding during February caused little damage. Flooding affected agricultural lands, parks and local river roads. Flood levels ranged from near flood stage to 6 feet above flood stage.

Measurable precipitation fell on 8 to 13 days` during the month. Many northern Indiana locations received an inch or more of rain on 1 or 2 days.

Temperatures during February were the warmest of the winter. Temperatures reached into the 60s nearly state wide. These temperature were far below the record warmth experienced during last February. Temperatures did not fall below zero during February. The coldest day of the month was Groundhog's Day, when the temperature generally dropped into the single digits.

Temperatures remained below 33 degrees on 1 to 13 days during the month. Temperatures fell below 33 degrees on 17 to 27 days during February.

At the end of February, rivers and streams were at above normal levels with some lowland flooding in progress along the Wabash

River. There was not any snow on the ground and little frost in the ground throughout the HSA area.

3/13/01

FLOOD STAGE REPORT

February 2001

| 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 | | | | 4.39 | 2/10 | 0600 |
| SHELBYVILLE IN. | 11.0 | | | | 8.20 | 2/10 | 1430 |
| BIG RACCOON CREEK..... | | | | | | | |
| FINCASTLE 3 W IN. | 11.0 | | | | 9.05 | 2/10 | 0400 |
| FINCASTLE 3 W IN. | 11.0 | | | | 5.75 | 2/15 | 0500 |
| FINCASTLE 3 W IN. | 11.0 | | | | 6.78 | 2/25 | 1300 |
| COXVILLE IN. | 14.0 | | | | 12.92 | 2/10 | 0300 |
| COXVILLE IN. | 14.0 | | | | 7.35 | 2/15 | 0800 |
| COXVILLE IN. | 14.0 | | | | 10.60 | 2/25 | 1200 |
| BIG WALNUT CREEK..... | | | | | | | |
| REELSVILLE IN. | 12.0 | | | | 9.47 | 2/10 | 1100 |
| REELSVILLE IN. | 12.0 | | | | 5.91 | 2/15 | 2200 |
| REELSVILLE IN. | 12.0 | | | | 8.51 | 2/25 | 2300 |
| BLUE RIVER..... | | | | | | | |
| FREDERICKSBURG IN. | 20.0 | | | | 10.34 | 2/25 | 1530 |
| BUCK CREEK..... | | | | | | | |
| ACTON IN. | | | | | 6.72 | 2/10 | 0330 |
| CLIFTY CREEK..... | | | | | | | |
| HARTSVILLE IN. | 10.0 | | | | 4.78 | 2/10 | 0400 |
| DEER CREEK..... | | | | | | | |
| DELPHI 2.6 NE IN. | | | | | 6.22 | 2/10 | 0930 |
| DELPHI 2.6 NE IN. | | | | | 6.18 | 2/15 | 0545 |
| DELPHI 2.6 NE IN. | | | | | 5.43 | 2/25 | 2330 |
| EAGLE CREEK..... | | | | | | | |
| ZIONSVILLE IN. | 7.0 | | | | 6.61 | 2/10 | 0100 |
| ZIONSVILLE IN. | 7.0 | | | | 4.54 | 2/14 | 2300 |
| ZIONSVILLE IN. | 7.0 | | | | 6.26 | 2/25 | 0900 |
| EAST FORK WHITE R..... | | | | | | | |
| COLUMBUS IN. | 9.0 | | | | 3.36 | 2/11 | 0430 |
| SEYMOUR 2 N IN. | 12.0 | | | | 11.78 | 2/11 | 1900 |
| BEDFORD 8SE IN. | 20.0 | | | | 15.30 | 2/13 | 1800 |
| BEDFORD 8SE IN. | 20.0 | | | | 12.34 | 2/28 | 1000 |
| WILLIAMS IN. | 8.0 | | | | 5.40 | 2/03 | 0800 |
| WILLIAMS IN. | 8.0 | | | | 5.80 | 2/13 | 0800 |
| WILLIAMS IN. | 8.0 | | | | 4.80 | 2/19 | 0800 |
| SHOALS HIWAY 50 BRID IN. | 20.0 | | | | 8.43 | 2/10 | 2300 |
| SHOALS HIWAY 50 BRID IN. | 20.0 | | | | 9.28 | 2/14 | 1000 |
| SHOALS HIWAY 50 BRID IN. | 20.0 | | | | 6.88 | 2/26 | 0900 |
| SHOALS HIWAY 50 BRID IN. | 20.0 | | | | 7.38 | 3/01 | 0500 |
| EAST FORK WHITEWATER..... | | | | | | | |
| ABINGTON IN. | 12.0 | | | | 5.42 | 2/10 | 0700 |

EEL RIVER.....
 BOWLING GREEN IN. 17.0 13.00 2/10 1300
 BOWLING GREEN IN. 17.0 11.95 2/25 1700
 NWS FORM E-3 U.S. DEPARTMENT OF COMMERCE HYDROLOGIC SERVICE AREA
 NOAA, NATIONAL WEATHER SERVICE INDIANAPOLIS, INDIANA

3/13/01 FLOOD STAGE REPORT February 2001

| STREAM AND LOCATION | FLOOD STAGE | ABOVE FLOOD FROM | FLOOD TIME | STAGE TO | CREST STAGE | CREST DATE | CREST TIME |
|---------------------------|-------------|------------------|------------|----------|-------------|------------|------------|
| EEL RIVER...NORTH..... | | | | | | | |
| NORTH MANCHESTER IN. | 7.0 | | | | 10.39 | 2/10 | 0915 |
| NORTH MANCHESTER IN. | 7.0 | | | | 5.74 | 2/15 | 0515 |
| NORTH MANCHESTER IN. | 7.0 | | | | 7.97 | 2/25 | 1915 |
| ADAMSBORO IN. | 10.0 | | | | 8.92 | 2/10 | 2200 |
| ADAMSBORO IN. | 10.0 | | | | 7.65 | 2/25 | 0300 |
| FALL CREEK..... | | | | | | | |
| FORTVILLE 2 NW IN. | | | | | 4.72 | 2/10 | 1100 |
| FORTVILLE 2 NW IN. | | | | | 4.13 | 2/15 | 0900 |
| MILLERSVILLE IN. | 7.0 | | | | 5.70 | 2/10 | 1900 |
| MILLERSVILLE IN. | 7.0 | | | | 4.98 | 2/15 | 1900 |
| FLATROCK RIVER..... | | | | | | | |
| ST. PAUL IN. | | | | | 3.04 | 2/10 | 1430 |
| HARBERTS CREEK..... | | | | | | | |
| Madison IN. | 6.0 | | | | 4.76 | 2/09 | 2215 |
| Madison IN. | 6.0 | | | | 5.00 | 2/25 | 0630 |
| LITTLE RIVER..... | | | | | | | |
| HUNTINGTON 5 W IN. | 15.0 | | | | 14.30 | 2/09 | 2300 |
| HUNTINGTON 5 W IN. | 15.0 | | | | 10.45 | 2/15 | 0300 |
| HUNTINGTON 5 W IN. | 15.0 | | | | 11.45 | 2/25 | 1300 |
| MIDDLE FORK ANDERSON..... | | | | | | | |
| BRISTOW IN. | 15.0 | | | | 10.53 | 2/15 | 1800 |
| BRISTOW IN. | 15.0 | | | | 10.32 | 2/16 | 1800 |
| BRISTOW IN. | 15.0 | | | | 9.10 | 2/25 | 1000 |
| MILL CREEK..... | | | | | | | |
| CATARACT 3 E IN. | 10.0 | | | | 11.66 | 2/10 | 0500 |
| CATARACT 3 E IN. | 10.0 | | | | 11.63 | 2/25 | 1500 |
| MISSISSINAWA RIVER..... | | | | | | | |
| RIDGEVILLE 2 E IN. | 10.0 | | | | 10.50 | 2/09 | 1400 |
| RIDGEVILLE 2 E IN. | 10.0 | | | | 9.44 | 2/14 | 2000 |
| MARION 2 N IN. | 10.0 | | | | 8.52 | 2/10 | 0700 |
| MARION 2 N IN. | 10.0 | | | | 6.98 | 2/15 | 1000 |
| MUSCATATUCK RIVER..... | | | | | | | |
| Deputy 1WNW IN. | 15.0 | | | | 12.74 | 2/10 | 0530 |
| Deputy 1WNW IN. | 15.0 | | | | 13.51 | 2/25 | 2000 |
| VERNON 1SW 1 SW IN. | 17.0 | | | | 8.00 | 2/10 | 0430 |
| VERNON 1SW 1 SW IN. | 17.0 | | | | 7.50 | 2/25 | 1330 |
| PATOKA RIVER..... | | | | | | | |
| JASPER IN. | 14.0 | | | | 12.30 | 2/10 | 1300 |
| JASPER IN. | 14.0 | | | | 13.01 | 2/16 | 0900 |

| | | | | |
|-----------------------|------|-------|------|------|
| JASPER IN. | 14.0 | 12.82 | 2/26 | 0500 |
| PRINCETON 2 MI NE IN. | 18.0 | 11.82 | 2/12 | 2200 |
| PRINCETON 2 MI NE IN. | 18.0 | 13.87 | 2/19 | 1100 |
| PRINCETON 2 MI NE IN. | 18.0 | 14.03 | 2/20 | 1700 |
| PRINCETON 2 MI NE IN. | 18.0 | 13.10 | 2/24 | 0400 |
| PRINCETON 2 MI NE IN. | 18.0 | 13.54 | 2/25 | 0500 |
| PRINCETON 2 MI NE IN. | 18.0 | 13.08 | 2/26 | 0300 |

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

3/13/01

FLOOD STAGE REPORT

February 2001

| STREAM AND LOCATION | FLOOD STAGE | ABOVE FLOOD FROM | FLOOD TIME | STAGE TO | CREST STAGE | CREST DATE | CREST TIME |
|---------------------------|-------------|------------------|------------|----------|-------------|------------|------------|
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| PIPE CREEK..... | | | | | | | |
| FRANKTON PIPE CREEK IN. | 12.0 | | | | 8.68 | 2/10 | 1400 |
| FRANKTON PIPE CREEK IN. | 12.0 | | | | 7.86 | 2/15 | 0900 |
| Pigeon Creek..... | | | | | | | |
| FORT BRANCH 2.6 MI E 3 MI | 14.0 | | | | 13.06 | 2/09 | 2030 |
| FORT BRANCH 2.6 MI E 3 MI | 14.0 | | | | 13.13 | 2/15 | 1245 |
| FORT BRANCH 2.6 MI E 3 MI | 14.0 | | | | 11.46 | 2/25 | 0500 |
| SALAMONIE RIVER..... | | | | | | | |
| WARREN 2.4 NW IN. | 12.0 | | | | 11.07 | 2/09 | 2100 |
| WARREN 2.4 NW IN. | 12.0 | | | | 10.18 | 2/15 | 0900 |
| SILVER CREEK..... | | | | | | | |
| SELLERSBURG 2.4 SE IN. | 20.0 | | | | 12.56 | 2/15 | 2200 |
| SELLERSBURG 2.4 SE IN. | 20.0 | | | | 11.21 | 2/17 | 0200 |
| SELLERSBURG 2.4 SE IN. | 20.0 | | | | 13.97 | 2/25 | 1600 |
| SOUTH FORK PATOKA R..... | | | | | | | |
| SPURGEON IN. | 11.5 | | | | 6.16 | 2/09 | 2030 |
| SPURGEON IN. | 11.5 | | | | 6.54 | 2/15 | 1300 |
| SPURGEON IN. | 11.5 | | | | 6.40 | 2/25 | 0445 |
| SUGAR CREEK..... | | | | | | | |
| CRAWFORDSVILLE IN. | 8.0 | | | | 5.39 | 2/10 | 0500 |
| CRAWFORDSVILLE IN. | 8.0 | | | | 3.96 | 2/15 | 0700 |
| CRAWFORDSVILLE IN. | 8.0 | | | | 4.71 | 2/25 | 1800 |
| NEW PALESTINE IN. | 8.0 | | | | 5.56 | 2/10 | 0100 |
| NEW PALESTINE IN. | 8.0 | | | | 5.38 | 2/11 | 0830 |
| SUGAR CREEK...SOUTH..... | | | | | | | |
| EDINBURGH 2 NW IN. | 9.0 | | | | 8.18 | 2/10 | 1800 |
| TIPPECANOE RIVER..... | | | | | | | |
| ORA 1 SW IN. | 11.0 | | | | 12.57 | 2/11 | 2230 |
| ORA 1 SW IN. | 11.0 | | | | 12.36 | 2/27 | 1400 |
| MONTICELLO, IN. | | | | | 12,140* | 2/25 | 1800 |
| DELPHI 6 W IN. | 8.0 | | | | 7.85 | 2/10 | 0100 |
| DELPHI 6 W IN. | 8.0 | | | | 6.89 | 2/15 | 1800 |
| DELPHI 6 W IN. | 8.0 | | | | 9.31 | 2/25 | 2300 |
| VERMILION RIVER..... | | | | | | | |
| DANVILLE 2 SE IL. | 18.0 | | | | 11.83 | 2/10 | 0445 |
| DANVILLE 2 SE IL. | 18.0 | | | | 15.23 | 2/26 | 0515 |

* Cubic Feet per Second

3/13/01 FLOOD STAGE REPORT

February 2001

| STREAM AND LOCATION | FLOOD STAGE | ABOVE FROM | FLOOD TIME | STAGE TO | CREST STAGE | CREST DATE | CREST TIME |
|--------------------------|-------------|------------|------------|----------|-------------|------------|------------|
| WABASH RIVER..... | | | | | | | |
| LINN GROVE IN. | 11.0 | | | | 8.60 | 2/11 | 1400 |
| LINN GROVE IN. | 11.0 | | | | 8.50 | 2/16 | 1400 |
| WABASH IN. | 12.0 | | | | 13.77 | 2/10 | 0100 |
| WABASH IN. | 12.0 | | | | 12.22 | 2/15 | 0500 |
| PERU IN. | 20.0 | | | | 10.87 | 2/10 | 0300 |
| LOGANSPORT CICOTT ST IN. | 17.0 | | | | 10.36 | 2/10 | 0700 |
| LOGANSPORT CICOTT ST IN. | 17.0 | | | | 9.16 | 2/15 | 2000 |
| LOGANSPORT CICOTT ST IN. | 17.0 | | | | 8.58 | 2/26 | 0200 |
| LAFAYETTE IN. | 11.0 | 2/09 | 2130 | | 17.18 | 2/11 | 0700 |
| LAFAYETTE IN. | 11.0 | | | 2/19 | 15.92 | 2/16 | 0300 |
| LAFAYETTE IN. | 11.0 | 2/25 | 1530 | 3/01 | 15.48 | 2/26 | 1800 |
| COVINGTON IN. | 16.0 | 2/10 | 1130 | | 20.69 | 2/13 | 0900 |
| COVINGTON IN. | 16.0 | | | 2/20 | 20.00 | 2/17 | 1200 |
| COVINGTON IN. | 16.0 | 2/26 | 0130 | 3/02 | 19.50 | 2/28 | 0600 |
| MONTEZUMA IN. | 14.0 | 2/10 | 0130 | | 19.52 | 2/13 | 2000 |
| MONTEZUMA IN. | 14.0 | | | 2/21 | 19.93 | 2/16 | 0900 |
| MONTEZUMA IN. | 14.0 | 2/25 | 1430 | 3/03 | 20.11 | 2/28 | 1700 |
| TERRE HAUTE WTR CORP IN. | 14.0 | 2/10 | 1000 | 2/21 | 17.68 | 2/17 | 1000 |
| TERRE HAUTE WTR CORP IN. | 14.0 | 2/26 | 0330 | 3/03 | 17.48 | 3/01 | 1300 |
| HUTSONVILLE IL. | 16.0 | 2/11 | 0100 | 2/23 | 19.90 | 2/20 | 0800 |
| HUTSONVILLE IL. | 16.0 | 2/26 | 1400 | 3/05 | 19.40 | 3/03 | 0800 |
| RIVERTON IN. | 15.0 | 2/10 | 2330 | 2/24 | 18.21 | 2/20 | 0900 |
| RIVERTON IN. | 15.0 | 2/26 | 1330 | 3/06 | 17.68 | 3/03 | 0001 |
| VINCENNES IN. | 17.5 | | | | 16.75 | 2/16 | 1500 |
| VINCENNES IN. | 17.5 | | | | 16.64 | 2/21 | 1400 |
| VINCENNES IN. | 17.5 | | | | 15.95 | 3/04 | 2000 |
| VINCENNES 1 W IN. | 16.0 | | | | 16.00 | 2/17 | 0800 |
| VINCENNES 1 W IN. | 16.0 | | | | 15.70 | 2/20 | 1800 |
| VINCENNES 1 W IN. | 16.0 | | | | 15.05 | 3/04 | 1900 |
| MOUNT CARMEL IL. | 19.0 | | | | 18.80 | 2/16 | 2000 |
| MOUNT CARMEL IL. | 19.0 | | | | 16.63 | 3/01 | 1400 |
| NEW HARMONY IN. | 15.0 | | | | 14.73 | 2/17 | 1100 |
| NEW HARMONY IN. | 15.0 | | | | 12.69 | 3/02 | 0500 |
| WHITE LICK CREEK..... | | | | | | | |
| MOORESVILLE IN. | 15.0 | | | | 12.11 | 2/10 | 0500 |
| MOORESVILLE IN. | 15.0 | | | | 9.47 | 2/15 | 2030 |
| MOORESVILLE IN. | 15.0 | | | | 11.65 | 2/25 | 1900 |
| WHITE RIVER..... | | | | | | | |
| MUNCIE IN. | 9.0 | | | | 6.99 | 2/10 | 1200 |
| MUNCIE IN. | 9.0 | | | | 6.41 | 2/15 | 0700 |
| ANDERSON WATERWORKS IN. | 10.0 | | | | 7.00 | 2/10 | 1700 |
| ANDERSON WATERWORKS IN. | 10.0 | | | | 7.24 | 2/15 | 1200 |
| ANDERSON SEWAGE PLAN IN. | | | | | 7.77 | 2/10 | 1900 |
| ANDERSON SEWAGE PLAN IN. | | | | | 6.71 | 2/15 | 1400 |
| NOBLESVILLE IN. | 14.0 | | | | 11.55 | 2/11 | 0200 |
| NOBLESVILLE IN. | 14.0 | | | | 10.31 | 2/15 | 2300 |
| NORA IN. | 11.0 | | | | 8.86 | 2/11 | 0800 |
| NORA IN. | 11.0 | | | | 7.97 | 2/16 | 0500 |
| BROAD RIPPLE DAM IN. | | | | | 5.58 | 2/11 | 0600 |
| BROAD RIPPLE DAM IN. | | | | | 5.25 | 2/16 | 0500 |

INDIANAPOLIS MORRIS IN. 16.0 11.38 2/11 1215
 INDIANAPOLIS MORRIS IN. 16.0 10.44 2/16 1030
 INDIANAPOLIS MORRIS IN. 16.0 10.06 2/26 1200
 NWS FORM E-3 U.S. DEPARTMENT OF COMMERCE HYDROLOGIC SERVICE AREA
 NOAA, NATIONAL WEATHER SERVICE INDIANAPOLIS, INDIANA

3/13/01

FLOOD STAGE REPORT

February 2001

| STREAM AND LOCATION | FLOOD STAGE | ABOVE FLOOD FROM | FLOOD TIME | STAGE TO | CREST STAGE | CREST DATE | CREST TIME |
|----------------------------|-------------|------------------|------------|----------|-------------|------------|------------|
| WHITE RIVER CONTINUED..... | | | | | | | |
| STOUT GENERATING STA IN. | 10.0 | | | | 6.76 | 2/11 | 0900 |
| STOUT GENERATING STA IN. | 10.0 | | | | 5.95 | 2/16 | 1100 |
| STOUT GENERATING STA IN. | 10.0 | | | | 5.86 | 2/26 | 1100 |
| CENTERTON 1 S IN. | 12.0 | | | | 8.66 | 2/11 | 1900 |
| CENTERTON 1 S IN. | 12.0 | | | | 7.23 | 2/16 | 2000 |
| CENTERTON 1 S IN. | 12.0 | | | | 7.10 | 2/26 | 1900 |
| SPENCER IN. | 14.0 | | | | 12.54 | 2/12 | 1200 |
| SPENCER IN. | 14.0 | | | | 10.71 | 2/17 | 1400 |
| SPENCER IN. | 14.0 | | | | 10.70 | 2/27 | 0800 |
| WORTHINGTON IN. | 18.0 | | | | 16.76 | 2/12 | 0800 |
| WORTHINGTON IN. | 18.0 | | | | 16.08 | 2/27 | 0800 |
| ELLISTON IN. | 18.0 | | | | 17.49 | 2/12 | 0800 |
| ELLISTON IN. | 18.0 | | | | 16.65 | 2/27 | 0800 |
| NEWBERRY IN. | 13.0 | | | | 11.66 | 2/12 | 1200 |
| NEWBERRY IN. | 13.0 | | | | 10.83 | 2/27 | 1300 |
| EDWARDSPORT IN. | 15.0 | | | | 14.20 | 2/13 | 0700 |
| EDWARDSPORT IN. | 15.0 | | | | 12.50 | 2/19 | 0700 |
| EDWARDSPORT IN. | 15.0 | | | | 13.50 | 2/28 | 0700 |
| PETERSBURG 3 NE IN. | 16.0 | | | | 15.77 | 2/15 | 2300 |
| PETERSBURG 3 NE IN. | 16.0 | | | | 12.91 | 2/19 | 1100 |
| PETERSBURG 3 NE IN. | 16.0 | | | | 12.92 | 3/01 | 0500 |
| PETERSBURG IN. | 16.0 | | | | 16.01 | 2/15 | 2200 |
| PETERSBURG IN. | 16.0 | | | | 13.12 | 2/19 | 0700 |
| PETERSBURG IN. | 16.0 | | | | 13.13 | 3/01 | 0600 |
| HAZLETON IN. | 16.0 | | | | 16.0 | 2/16 | 1800 |
| | | | | | | | |
| WHITEWATER RIVER..... | | | | | | | |
| ECONOMY 2 NW IN. | | | | | 5.79 | 2/09 | 2245 |
| ALPINE 2 NE IN. | 14.0 | | | | 12.22 | 2/10 | 1200 |
| ALPINE 2 NE IN. | 14.0 | | | | 10.97 | 2/15 | 1000 |
| | | | | | | | |
| WILDCAT CREEK..... | | | | | | | |
| JEROME 1 SE IN. | | | | | 9.97 | 2/10 | 0600 |
| JEROME 1 SE IN. | | | | | 7.68 | 2/15 | 0515 |
| JEROME 1 SE IN. | | | | | 7.77 | 2/25 | 1845 |
| KOKOMO IN. | 10.0 | | | | 10.13 | 2/10 | 1730 |
| KOKOMO IN. | 10.0 | | | | 7.99 | 2/15 | 1615 |
| KOKOMO IN. | 10.0 | | | | 7.87 | 2/26 | 0500 |
| LAFAYETTE 4 NE IN. | 10.0 | | | | 9.27 | 2/10 | 1400 |
| LAFAYETTE 4 NE IN. | 10.0 | | | | 9.41 | 2/15 | 0900 |
| LAFAYETTE 4 NE IN. | 10.0 | | | | 8.74 | 2/26 | 0300 |
| | | | | | | | |
| Whiskey Run..... | | | | | | | |
| Marengo IN. | 8.0 | | | | 3.88 | 2/15 | 1045 |
| | | | | | | | |
| YOUNGS CREEK..... | | | | | | | |
| AMITY IN. | | | | | 4.44 | 2/10 | 0700 |

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 includes 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 includes 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 includes 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 including 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 includes 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 includes 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:

Paula Cadwell
John Carrant
Paula Guarino
HIC
Ken King
Mike Koch
Wendy Pearson
Beverly Rightmire
Sol Summer
Dave Teacake
dkmajors@usgs.gov
dknipe@dnr.state.in.us
anance@dnr.state.in.us
jamison.blanton@usace.army.mil
lbridges@dem.state.in.us
rgrant@purdue.edu
snewhous@dem.state.in.us

MONTHLY REPORT OF RIVER AND
FLOOD CONDITIONS
2001

MONTH: March

YEAR:

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 2001 was one of the driest Marchs of record for the Indianapolis HSA. This was the fifth consecutive month with below normal melted precipitation. By the end of the month, the seasonal flow of the White River in southwest Indiana was the lowest in 20 years.

Monthly rainfall was much below normal for the HSA ranging from less than one half of an inch to one and one half inches. This was 15 to 40 per cent of normal. For the Indianapolis airport, this was the 2nd driest March of record and the driest March in 91 years. The last time Indianapolis had less monthly rainfall was September 1998. The January through March period was the driest since 1941 and also the 2nd driest of record.

Monthly temperatures ranged 2 to 4 degrees below normal across the HSA. The last time Indianapolis experienced a cooler March was only 2 years ago.

Monthly snowfall was well below normal. Snowfall totals ranged from a trace to 4 inches. The most snowfall occurred in the northeast portion of the HSA. The last time Indianapolis had only a trace of snow in March was during 1997.

High water from rain events near the end of February peaked during early March on the Wabash River south of Terre Haute. Afterwards, river levels throughout the HSA declined during the month. River levels were below normal at the end of March. Seasonal flow of the White River in southwest Indiana had not been this low for the end of March since 1981.

Measurable precipitation fell on 6 to 11 days during the month. No locations in the Indianapolis HSA received an inch or more of rain.

The maximum temperatures during the month occurred on the 21st through the 23rd and reached into upper 50s and lower 60s. The highest temperatures during the month were quickly followed by the lowest temperatures of the month. Minimum temperatures fell into the teens and in a few areas into the single digits on the 26th.

For Indianapolis, the low temperature of 14 degrees on the 26th was the coldest temperature for the date and so late in the year since 1955. For the second consecutive year, the maximum temperature in March did not exceed the maximum temperature in February.

Temperatures remained below 33 degrees on 2 days during the month. Temperatures fell below 33 degrees on 18 to 26 days during March.

At the end of March, rivers and streams were at low levels for the time of year. Surface ground conditions were dry throughout the HSA. Vegetation was slow to emerge from winter dormancy because of the cool temperatures near the end of the month.

4/09/01

FLOOD STAGE REPORT

March 2001

| STREAM AND LOCATION | FLOOD STAGE | ABOVE FROM | FLOOD TIME | STAGE TO | CREST STAGE | CREST DATE | CREST TIME |
|--|----------------|---------------|---------------|-------------|----------------|---------------|---------------|
| EAST FORK WHITE R..... SHOALS HIWAY 50 BRID IN. | 20.0 | | | | 7.38 | 3/01 | 0500 |
| WABASH RIVER..... | | | | | | | |
| TERRE HAUTE WTR CORP IN. | 14.0 | 2/26 | 0330 | 3/03 | 17.48 | 3/01 | 1300 |
| HUTSONVILLE IL. | 16.0 | 2/26 | 1400 | 3/05 | 19.40 | 3/03 | 0800 |
| RIVERTON IN. | 15.0 | 2/26 | 1330 | 3/06 | 17.68 | 3/03 | 0001 |
| VINCENNES IN. | 17.5 | | | | 15.95 | 3/04 | 2000 |
| VINCENNES 1 W IN. | 16.0 | | | | 15.05 | 3/04 | 1900 |
| MOUNT CARMEL IL. | 19.0 | | | | 16.63 | 3/01 | 1400 |
| NEW HARMONY IN. | 15.0 | | | | 12.69 | 3/02 | 0500 |
| WHITE RIVER..... | | | | | | | |
| PETERSBURG IN. | 16.0 | | | | 13.13 | 3/01 | 0600 |

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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 includes 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 includes 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 including 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 includes 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 includes 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:

Paula Cadwell
John Carrant
Paula Guarino
HIC
Ken King
Mike Koch
Wendy Pearson
Beverly Rightmire
Sol Summer
Dave Teacake
dkmajors@usgs.gov
dknipe@dnr.state.in.us
anance@dnr.state.in.us
jamison.blanton@usace.army.mil
lbridges@dem.state.in.us
rgrant@purdue.edu
snewhous@dem.state.in.us

MONTHLY REPORT OF RIVER AND
FLOOD CONDITIONS
2001

MONTH: April

YEAR:

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.

April 2001 was one of the warmest and among the driest Aprils of record for the Indianapolis HSA. This was the sixth consecutive month with below normal melted precipitation. By the end of the month, the seasonal flow of the White and Wabash Rivers in southwest Indiana was the lowest in 25 or 30 years.

Monthly rainfall was much below normal for more than half of the HSA. Monthly totals ranged from 1 to nearly 4 inches. This was 25 to 90 per cent of normal. For the Indianapolis airport, this was the 15th driest April of record and the driest April in 25 years.

At Indianapolis, the January through April period was the driest of record. Indianapolis also set record low precipitation for the December through April and November through April period. The March through April period was the 2nd driest of record and the February through April period was the 5th driest of record.

Monthly temperatures ranged 4 to 6 degrees above normal across the HSA. This was the 2nd warmest April of record and the warmest in 105 years at Indianapolis.

After beginning the month on a cool note, record warmth enveloped the HSA on the 7th, 8th, and 9th. Temperatures soared into the low and middle 80s all three days. Much above normal temperature continued until Easter Sunday, April 15th.

Temperatures from Easter Sunday through the 19th were below normal. A hard freeze affected much of the HSA as temperatures fell into the middle 20s on the 17th and 18th. The last time

Indianapolis experienced such cold weather so late in April was 11 years ago.

Temperatures rebounded quickly, with readings returning into the upper 70s and low 80s for the 22nd and 23rd. Temperatures during the remainder of April were seasonable.

Monthly snowfall was below normal in most of the HSA, but did occur in many areas. Snow fell on the 16th and 17th. Snowfall totals ranged from a trace to 1 inch. The last time measurable snow fell later in the season at Indianapolis was May 1989. It had been 16 years since Indianapolis had measurable snow during April following a March with only a trace of snow.

Most of the monthly rainfall occurred from the 9th through 11th. Rain of 1 to nearly 4 inches fell in much of state. The largest amounts fell in the upper portion of the Wabash River watershed in northern Indiana. This caused lowland flooding along portions of the Wabash River from Lafayette to Hutsonville, Illinois.

Flood crests along the Wabash River ranged from near flood stage to 4 feet above flood stage. Flooding lasted from 3 to 5 days. Afterwards, river levels throughout the HSA declined for the remainder of the month.

Measurable precipitation fell on 6 to 16 days during the month. Only some locations in the Indianapolis HSA received an inch or more of rain in a day.

The warmest temperatures during the month occurred on the 9th or the 30th. The maximum temperatures were in the middle 80s. The coldest temperature during the month occurred on the 17th or 18th. Minimum temperatures were in the middle 20s. Temperatures fell below 33 degrees on 2 to 8 days.

Much of April was very windy. At Indianapolis the daily average wind speed was generally above 10 miles an hour from the 1st through the 24th. During this period the peak wind exceeded 17 mph every day and exceeded 40 mph on 5 days.

At the end of April, rivers and streams were at very low seasonal levels. Surface ground conditions were dry throughout the HSA.

4/26/01 FLOOD STAGE REPORT

April 2001

| STREAM AND LOCATION | FLOOD STAGE | ABOVE FLOOD FROM | FLOOD TIME | STAGE TO | CREST STAGE | CREST DATE | CREST TIME |
|---------------------------|-------------|------------------|------------|----------|-------------|------------|------------|
| BIG BLUE RIVER..... | | | | | | | |
| CARTHAGE IN. | 7.0 | | | | 5.11 | 4/11 | 1200 |
| SHELBYVILLE IN. | 11.0 | | | | 7.12 | 4/12 | 0130 |
| BIG RACCOON CREEK..... | | | | | | | |
| FINCASTLE 3 W IN. | 11.0 | | | | 4.94 | 4/11 | 0500 |
| COXVILLE IN. | 14.0 | | | | 9.00 | 4/11 | 1400 |
| BIG WALNUT CREEK..... | | | | | | | |
| REELSVILLE IN. | 12.0 | | | | 8.81 | 4/11 | 1400 |
| BUCK CREEK..... | | | | | | | |
| ACTON IN. | | | | | 4.20 | 4/12 | 0930 |
| BUSSEYON CREEK..... | | | | | | | |
| CARLISLE 2 NW IN. | 16.0 | | | | 5.87 | 4/12 | 2230 |
| CLIFTY CREEK..... | | | | | | | |
| HARTSVILLE IN. | 10.0 | | | | 2.65 | 4/11 | 1800 |
| DEER CREEK..... | | | | | | | |
| DELPHI 2.6 NE IN. | | | | | 5.80 | 4/12 | 0245 |
| EAGLE CREEK..... | | | | | | | |
| ZIONSVILLE IN. | 7.0 | | | | 3.36 | 4/11 | 1300 |
| SPEEDWAY IN. | 9.0 | | | | 4.18 | 4/11 | 1845 |
| EAST FORK WHITE R..... | | | | | | | |
| COLUMBUS IN. | 9.0 | | | | 2.32 | 4/12 | 2200 |
| SEYMOUR 2 N IN. | 12.0 | | | | 7.05 | 4/13 | 1500 |
| BEDFORD 8SE IN. | 20.0 | | | | 8.60 | 4/15 | 0300 |
| WILLIAMS IN. | 8.0 | | | | 2.90 | 4/15 | 0715 |
| SHOALS HIWAY 50 BRID IN. | 20.0 | | | | 5.05 | 4/15 | 1500 |
| EAST FORK WHITEWATER..... | | | | | | | |
| ABINGTON IN. | 12.0 | | | | 12.57 | 4/11 | 1600 |
| EEL RIVER..... | | | | | | | |
| BOWLING GREEN IN. | 17.0 | | | | 10.38 | 4/12 | 0100 |
| EEL RIVER...NORTH..... | | | | | | | |
| NORTH MANCHESTER IN. | 7.0 | | | | 6.23 | 4/11 | 2315 |
| ADAMSBORO IN. | 10.0 | | | | 6.41 | 4/12 | 1200 |
| EMBARRAS RIVER..... | | | | | | | |
| STE MARIE IL. | 19.0 | | | | 8.54 | 4/13 | 1500 |
| FALL CREEK..... | | | | | | | |
| FORTVILLE 2 NW IN. | | | | | 6.63 | 4/12 | 0300 |
| MILLERSVILLE IN. | 7.0 | | | | 6.72 | 4/12 | 1830 |

FLATROCK RIVER.....
ST. PAUL IN.

2.60 4/12 1430

4/26/01 FLOOD STAGE REPORT

April 2001

| STREAM AND LOCATION | FLOOD STAGE | ABOVE FLOOD FROM | FLOOD TIME | STAGE TO | CREST STAGE | CREST DATE | CREST TIME |
|--|-------------|------------------|------------|----------|-------------|------------|------------|
| LITTLE EAGLE CREEK..... SPEEDWAY IN. | | | | | 5.14 | 4/11 | 0430 |
| LITTLE RIVER..... HUNTINGTON 5 W IN. | 15.0 | | | | 8.93 | 4/11 | 2300 |
| MILL CREEK..... CATARACT 3 E IN. | 10.0 | | | | 8.77 | 4/11 | 1800 |
| MISSISSINAWA RIVER..... RIDGEVILLE 2 E IN. | 10.0 | | | | 11.09 | 4/11 | 1100 |
| MARION 2 N IN. | 10.0 | | | | 9.19 | 4/11 | 1900 |
| MUSCATATUCK RIVER..... VERNON 1SW 1 SW IN. | 17.0 | | | | 6.10 | 4/11 | 1730 |
| PIPE CREEK..... FRANKTON IN. | 12.0 | | | | 7.47 | 4/11 | 2130 |
| SALAMONIE RIVER..... WARREN 2.4 NW IN. | 12.0 | | | | 12.46 | 4/12 | 0100 |
| SUGAR CREEK..... CRAWFORDSVILLE IN. | 8.0 | | | | 2.06 | 4/12 | 1600 |
| NEW PALESTINE IN. | 8.0 | | | | 5.35 | 4/12 | 1830 |
| SUGAR CREEK...SOUTH..... EDINBURGH 2 NW IN. | 9.0 | | | | 5.58 | 4/13 | 0430 |
| TIPPECANOE RIVER..... ORA 1 SW IN. | 11.0 | | | | 9.93 | 4/13 | 0500 |
| MONTICELLO IN. | 9.0 | | | | 70.49 | 4/12 | 0600 |
| DELPHI 6 W IN. | 8.0 | | | | 7.91 | 4/11 | 1900 |
| VERMILION RIVER..... DANVILLE 2 SE IL. | 18.0 | | | | 7.20 | 4/12 | 1330 |
| WABASH RIVER..... LINN GROVE IN. | 11.0 | | | | 10.68 | 4/13 | 0800 |
| WABASH IN. | 12.0 | | | | 8.85 | 4/13 | 2100 |
| PERU IN. | 20.0 | | | | 9.76 | 4/15 | 0700 |
| LOGANSPOUT CICOTT ST IN. | 17.0 | | | | 8.52 | 4/11 | 2100 |
| LAFAYETTE IN. | 11.0 | 4/11 | 1730 | 4/16 | 14.81 | 4/12 | 1600 |
| COVINGTON IN. | 16.0 | 4/12 | 1145 | 4/15 | 18.00 | 4/13 | 2300 |
| MONTEZUMA IN. | 14.0 | 4/12 | 2215 | 4/16 | 15.59 | 4/14 | 1900 |
| TERRE HAUTE WTR CORP IN. | 14.0 | | | | 13.72 | 4/15 | 0900 |
| HUTSONVILLE IL. | 16.0 | | | | 16.00 | 4/16 | 0700 |
| RIVERTON IN. | 15.0 | | | | 14.87 | 4/16 | 0500 |
| VINCENNES IN. | 17.5 | | | | 13.60 | 4/17 | 0600 |
| VINCENNES 1 W IN. | 16.0 | | | | 12.30 | 4/17 | 0800 |
| MOUNT CARMEL IL. | 19.0 | | | | 12.10 | 4/17 | 0600 |

NEW HARMONY IN.

15.0

8.73 4/17 1900

4/26/01 FLOOD STAGE REPORT

April 2001

| STREAM AND LOCATION | FLOOD STAGE | ABOVE FLOOD FROM | FLOOD TIME | STAGE TO | CREST STAGE | CREST DATE | CREST TIME |
|--------------------------|-------------|------------------|------------|----------|-------------|------------|------------|
| WHITE LICK CREEK..... | | | | | | | |
| MOORESVILLE IN. | 15.0 | | | | 11.39 | 4/11 | 1300 |
| WHITE RIVER..... | | | | | | | |
| MUNCIE IN. | 9.0 | | | | 7.93 | 4/12 | 0300 |
| ANDERSON WATERWORKS IN. | 10.0 | | | | 9.72 | 4/12 | 0001 |
| ANDERSON SEWAGE PLAN IN. | | | | | 9.35 | 4/12 | 0200 |
| NOBLESVILLE IN. | 14.0 | | | | 11.66 | 4/12 | 1500 |
| NORA IN. | 11.0 | | | | 8.63 | 4/12 | 2100 |
| BROAD RIPPLE DAM IN. | | | | | 5.65 | 4/12 | 2100 |
| INDIANAPOLIS MORRIS IN. | 16.0 | | | | 11.16 | 4/13 | 0130 |
| STOUT GENERATING STA IN. | 10.0 | | | | 6.37 | 4/13 | 0200 |
| CENTERTON 1 S IN. | 12.0 | | | | 6.66 | 4/11 | 1900 |
| CENTERTON 1 S IN. | 12.0 | | | | 7.77 | 4/13 | 1300 |
| SPENCER IN. | 14.0 | | | | 10.87 | 4/14 | 0500 |
| NEWBERRY IN. | 13.0 | | | | 9.33 | 4/14 | 1900 |
| EDWARDSPORT IN. | 15.0 | | | | 11.50 | 4/15 | 1000 |
| PETERSBURG 3 NE IN. | 16.0 | | | | 8.54 | 4/16 | 0900 |
| PETERSBURG IN. | 16.0 | | | | 8.63 | 4/16 | 1600 |
| WHITEWATER RIVER..... | | | | | | | |
| ECONOMY 2 NW IN. | | | | | 7.59 | 4/11 | 0545 |
| ALPINE 2 NE IN. | 14.0 | | | | 16.66 | 4/12 | 0300 |
| BROOKVILLE IN. | 20.0 | | | | 7.87 | 4/12 | 1000 |
| WILDCAT CREEK..... | | | | | | | |
| JEROME 1 SE IN. | | | | | 7.78 | 4/11 | 1815 |
| KOKOMO IN. | 10.0 | | | | 8.14 | 4/12 | 0215 |
| LAFAYETTE 4 NE IN. | 10.0 | | | | 8.20 | 4/12 | 1000 |
| YOUNGS CREEK..... | | | | | | | |
| AMITY IN. | | | | | 1.63 | 4/11 | 2245 |

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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 includes most of the Whitewater River Watershed in Indiana.

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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 including 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 includes the Wabash River in the New Harmony, Indiana area.

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anance@dnr.state.in.us
jamison.blanton@usace.army.mil
lbridges@dem.state.in.us
rgrant@purdue.edu
snewhous@dem.state.in.us

MONTHLY REPORT OF RIVER AND
FLOOD CONDITIONS
2001

MONTH: May

YEAR:

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.

May 2001 was first month since October where the monthly precipitation was above normal for much of the HSA. Because conditions were very dry at the beginning of May, no flooding resulted. Seasonal flow of most rivers in the HSA returned to normal at the end of May.

Monthly rainfall ranged from slightly over 2 inches to nearly 7 inches. The most rain fell in west central and east central Indiana and the least in the northern portion of the HSA. Monthly rainfall was below normal in northern sections of the HSA and generally above normal in central and southern sections.

Monthly temperatures ranged 1 to 2 degrees above normal across the HSA. This was 5th consecutive month with above normal temperatures at Indianapolis.

The warm trend that began near the end of April continued through May 11th. High temperatures during this period were generally in the upper 70s and lower 80s. A brief cool snap from the 12th through the 14th brought in the coldest temperatures for May. On the morning of the 13th, temperatures dipped into the 30s in much of northern and central Indiana and the lower 40s in southern Indiana.

The warmest weather during May was ushered in on the 15th. Maximum temperatures reached into the low 90s in western Indiana and upper 80s in the remainder of the state on the 15th and 16th. The above normal temperatures during May ended on the 20th.

A prolong damp and cool period began on the 21st and continued through the end of May. After seeing little precipitation for

much of the year, rain occurred nearly every day somewhere in the HSA from the 17th through the end of May. During this period rain favored the eastern portion of the HSA.

The biggest rain for the month fell on the 17th. Rain of nearly 4 1/2 inches occurred in Vigo, southern Parke and northern Clay counties located in west central Indiana. On the 18th most of the northern portion of the HSA received 1 to 2 inches of rain. Prior to these rains, much of the HSA had received 1/2 to 1 1/2 inches of rain on the 6th and 7th.

Measurable precipitation fell on 12 to 17 days during the month. Most locations in the Indianapolis HSA had one day with an inch or more of rain.

At the end of May, rivers and streams were at normal levels and surface ground conditions were moist throughout the HSA.

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.

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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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anance@dnr.state.in.us
jamison.blanton@usace.army.mil
lbridges@dem.state.in.us
rgrant@purdue.edu
snewhous@dem.state.in.us

MONTHLY REPORT OF RIVER AND
FLOOD CONDITIONS
2001

MONTH: June

YEAR:

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 above normal rainfall pattern that began during May, continued in many areas of the HSA during June. Heavy rain during early June caused lowland flooding along portions of the Wabash River and high flow in the White and East Fork White Rivers.

Monthly rainfall ranged from slightly over 3 inches to nearly 7 inches in the HSA. Rainfall was fairly uniform over the entire HSA. Isolated heavy areas of more than 6 inches occurred in the HSA. Monthly rainfall was above normal for many areas in the HSA.

Monthly temperatures ranged 1 to 2 degrees below normal across the HSA. This was first time in 2001 that the month temperature averaged below normal. The last time Indianapolis HSA experienced below normal monthly temperatures was December 2000.

The below normal trend that began on May 21st continued through June 4th. After the 4th, temperatures remained seasonable through the remainder of the month. The coolest temperatures in the HSA occurred on the 3rd or 4th when temperatures fell into the middle to upper 40s. The warmest temperatures during the month occurred from the 12th to the 14th when temperature reached into the low 90s.

The first week of June was on the wet side for much of the HSA. Rain fell daily with isolated heavy rain of 2 to nearly 6 inches falling on the 5th and 6th. There were 3 events on the 5th and 6th when heavy rains of 3 to more than 6 inches caused flash flooding.

The first event occurred during the late morning of the 5th, after 4 to more than 6 inches fell just outside of the Indianapolis HSA in Benton and Newton counties in northwest Indiana. The second occurred early on the 6th when rain of 2 to 4 inches fell on wet ground in central and southern portions of Marion, Hendricks, Putnam and Parke counties. The third occurred during the evening of the 6th when 3 1/2 inches of rain fell during one hour in portions of Crawford and Harrison counties of south central Indiana.

This heavy rain on the 5th and 6th caused lowland flooding along portions of the Wabash River from Lafayette to near Vincennes. Flood crests along the Wabash River ranged from flood stage to 2 feet above flood stage. Flooding lasted 1 to 2 days. This rain also produced near bankfull conditions along the White and East Fork White Rivers.

Isolated rain favored the eastern portions of the HSA from the 11th through the 14th. A squall line developed along the Illinois and Indiana border on the 15th. This dropped from 1/2 to nearly 2 inches of rain on much of the central and eastern portions of the HSA. An area along the Illinois and Indiana border missed this rain and did not receive hardly any rain from June 8th through June 30th.

After the 21st, dry weather prevailed over the HSA. River levels returned to normal levels at the end of June. Soil moisture levels were becoming low, particularly in the western portions of the HSA.

Measurable precipitation fell on 9 to 12 days during the month. Most locations in the Indianapolis HSA had at least one day with an inch or more of rain.

The temperature reached 90 degrees or higher on 1 to 7 days during June. In the western portion of the HSA, temperatures reached 90 degrees on 5 to 7 days, while in central and eastern areas only on 1 to 3 days.

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.

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

MONTHLY REPORT OF RIVER AND
FLOOD CONDITIONS
2001

MONTH: July

YEAR:

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).



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The above normal rainfall pattern that began during May and continued in many areas of the HSA during June, intensified in some areas during July. Heavy rain during the month caused localized flooding.

Monthly rainfall ranged from slightly over 3 inches to slightly over 10 inches in the HSA. Rainfall was relatively uniform over the entire HSA with many areas receiving 5 to 7 inches of rain. As is typical of convection precipitation, amounts can vary greatly over a short distance. Franklin received slightly over 3 inches while Middletown measured over 10 inches. Middletown is about 45 miles northeast of Franklin. Monthly rainfall was above normal for many areas in the HSA.

For Indianapolis, this was the 7th wettest July of record and the wettest since 1992. The June through July period was the 12th wettest of record and the wettest since 1998. May through July rainfall at Indianapolis was also the wettest since 1998 and the 16th wettest of record.

The first 8 days of July were generally cool and wet. Many areas of the HSA received 2 to slightly over 6 inches of rain. Isolated heavy rain of 3 to 4 inches early on the 4th in portions of west central and south central Indiana caused near flood stage conditions on Big Racoon Creek, Big Walnut Creek and Eel River.

The largest outbreak of severe weather in the HSA so far this year occurred on the 8th. Rain of 3 to 6 inches in portions of east central Illinois and west central Indiana caused near

bankfull conditions the Wabash River in western Indiana and eastern Illinois and along the White River in southwest Indiana.

Little or no rain fell in the Indianapolis HSA from the 9th through the 17th. This allowed streams and rivers to return to normal levels before the heavy rain episodes occurred during the second half of July. Pleasant temperatures persisted during this period with high temperatures in the upper 70s and lower 80s.

Heavy rain of 2 to 4 inches fell in Henry County early on the 18th. This caused lowland flooding along portions of the Big Blue River in Rush, Hancock and Shelby Counties. A significant flash flood event occurred early on the 18th just east of the HSA in Wayne, Fayette and Union Counties as the storm complex intensified.

During the morning of the 20th, up to 4 inches of rain fell in southeast Daviess and southwest Martin Counties. All local roads into the town of Alfordsville were flooded for a few hours.

On the late evening of the 25th and early morning of the 26th, 2 to 4 inches of rain fell in Clark County Illinois and Vigo County Indiana. Some localized flooding may have resulted.

Isolated heavy rain of 1 to 4 inches fell mainly in eastern and southern portions of the HSA on the 28th and 29th. Some localized flooding occurred as a result of this heavy rain.

Measurable precipitation fell on 10 to 12 days during the month. Most locations in the Indianapolis HSA had at least two days with an inch or more of rain, while some central Indiana locations had 5 or more.

Monthly temperatures ranged 1/2 to 1 1/2 degrees below normal across the HSA. This was second consecutive month that temperatures averaged below normal.

Temperatures during July were generally below normal during the first half of the month and above normal the second half. The coolest temperatures in the HSA occurred on the 6th when temperatures fell into the upper 40s and lower 50s. Indianapolis set a record low temperature for the 6th. The warmest temperatures during the month occurred from the 22nd to 24th when temperatures reached into the upper 80s and lower 90s.

The temperature reached 90 degrees or higher on 3 to 9 days during July in most areas of the HSA. One exception was the

Shelbyville area where the maximum temperature for July was 89 degrees.

After the 29th, dry weather prevailed over the HSA. River levels were slightly above normal at the end of July. Soil moisture levels were adequate in most areas of the HSA.

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MONTHLY REPORT OF RIVER AND
FLOOD CONDITIONS
2001

REPORT FOR:

MONTH: August

YEAR:

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

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The above normal rainfall pattern of the past 3 months subsided in many areas of the Indianapolis HSA during August. Rainfall during August ranged 1 1/2 inches to over 8 1/2 inches. Much of the HSA received between 2 and 4 inches during the month.

Rainfall was not distributed equally or uniformly during August. Little rainfall fell in many areas of the HSA through the 17th. The heavy rain events during the last 2 weeks of August were generally isolated.

Stream flow during August fell in most areas through the 18th. Heavy isolated rain events in the later portion of August left most streams at above normal levels by the of the month.

Much of the Indianapolis HSA received little rain through the 8th. Most of the HSA received its first rain during August on the 9th, when isolated heavier rains of 1 to 3 inches fell in northern and central portions of the HSA. Isolated rains of 1 to 2 inches also fell on the 13th and 18th. Isolated heavy rain of 1 to 3 inches fell in southern Indiana on the 25th.

The biggest rainfall of the month to affect the HSA fell on the 23rd. Rain of 4 to 6 inches fell in north central and east central Indiana. Much of the heavier rain was just outside the HSA, but in the upper portion of the Wabash River Basin. Because relatively little rain fell earlier during August in northern Indiana, only a near bankfull rise occurred along the Wabash River at Lafayette.

The largest rainfall event for the HSA occurred the evening of the 30th. Rain of 4 to 6 inches fell in much of northern Warren

County. Because little rain had fallen in more than a week and temperatures had remained warmed, the Wabash River showed little response to this latest rain.

The summer of 2001 was the 20th wettest and wettest since 1998 at Indianapolis. The average temperature for the summer of 2001 at Indianapolis was near normal.

The first 11 days of August were very warm and humid. Minimum temperatures did not fall below 65 degrees. Pleasant conditions occurred from the 12th through the 21st with temperatures in the upper 70s and lower 80s. Warm and humid conditions returned on the 22nd and remained through the end of August.

Measurable precipitation fell on 8 to 12 days during the month. Some locations in the Indianapolis HSA had one day with an inch or more of rain.

Monthly temperatures ranged 1 to 2 1/2 degrees above normal across the HSA. The coolest temperatures in the HSA occurred on the 21st when temperatures fell into the middle and low 50s. The warmest temperatures during the month occurred on the 7th and 8th when temperatures reached into the lower 90s. The temperature reached 90 degrees or higher on 3 to 12 days during August.

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..

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MONTHLY REPORT OF RIVER AND
FLOOD CONDITIONS
2001

MONTH: September YEAR:

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

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September rainfall was near normal to above normal in much of the Indianapolis HSA. Rainfall ranged 3/4 inches to 9 1/2 inches. Much of the HSA received between 2 and 4 inches during the month.

Rainfall was distributed fairly equally during September. Heaviest rain fell in eastern portions of the HSA and the lightest in the western portions. There were 4 distinct rainfall events during the month.

The first rainfall during September occurred on the 6th and 7th. Much of the HSA received 1/3 to slightly more than an inch of rain.

The second rain event followed shortly on the 9th. Rain of 1/2 to nearly 4 inches fell in much of the HSA. The heaviest rain was in portions of east central, south central and southeast Indiana.

The third rain occurred 18th and 19th. Rain of 1 to nearly 4 inches fell in much of central and eastern portions of the HSA. Less than 1/2 inch of rain fell in northern and southern portions of the HSA.

The last rain of the month fell on the 23rd. Rain of 1 to 3 inches fell in much of south central and southeast Indiana. Portions of central Indiana received between 1/2 and 2 inches. Most of western Indiana received little or no rain.

The rainfall on the 9th caused the biggest response to rivers in the Indianapolis HSA. The East Fork White and Muscatatuck Rivers in Jackson county approached bankfull levels.

Rivers and streams in the central and southern portions of the HSA remained at above normal levels through September. Levels in western and northern portions of the HSA remained at near normal levels.

Warm conditions prevailed during the first 13 days of September. Temperatures reached into the 70s and 80s. The warmest day of the month occurred on the 7th, when high temperatures ranged from upper 80s to lower 90s.

After the 13th, mild to cool conditions remained over Indiana. Temperatures reached generally into the 60s and 70s. The coolest temperature of the month occurred on the 26th, when temperatures fell into the 30s in central and southern Indiana.

Measurable precipitation fell on 7 to 10 days during the month. Most locations in the Indianapolis HSA had one day with an inch or more of rain and some had 2 or more.

Monthly temperatures ranged 1 1/2 to 2 1/2 degrees below normal across the HSA. The coolest temperatures in the HSA occurred on the 26th when temperatures fell into the 30s. The warmest temperatures during the month occurred on the 7th when temperatures reached into the upper 80s and lower 90s. The temperature reached 90 degrees or higher on 1 day during September in the southwest portion of the HSA.

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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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anance@dnr.state.in.us
jamison.blanton@usace.army.mil
lbridges@dem.state.in.us
rgrant@purdue.edu
snewhous@dem.state.in.us

MONTHLY REPORT OF RIVER AND
FLOOD CONDITIONS
2001

MONTH: October

YEAR:

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).



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The biggest flood for the months of September and October struck the Wabash River Basin during October. The Wabash River at Mount Carmel, Illinois set the daily mean discharge flow record for the months of September and October. For the period October 15 through November 5, 2001, the Wabash River at Mount Carmel set a daily mean discharge flow record. Typically, the flow for the Wabash River is lowest during October. February 1999 was the last time the flow of the Wabash River at Mount Carmel was greater.

The Wabash River at Mount Carmel, Illinois drains 28,635 square miles of Indiana and Illinois. Seventy per cent of Indiana is drained by the Wabash River. U.S. Geological Survey discharge flow records began October 1, 1927 at Mount Carmel.

The Wabash River Basin has experienced two consecutive Octobers with high water. Flooding during October 2001 was much more widespread and of longer duration. Almost all streams had higher flood levels during October 2001 than October 2000, except for portions of the White River.

October monthly rainfall ranged from 6 to nearly 12 inches across much of central and southern Indiana. This is 2 1/2 to 5 times the normal for October. Much of central and southern Indiana received 7 to 9 inches during the month. This was the 5th wettest October of record at Indianapolis and the wettest since 1986. The September-October rainfall at Indianapolis was the 3rd wettest of record and the wettest since 1986.

Numerous rain events during October contributed to the extensive and prolonged high water that occurred from the middle of

October into early November. After a warm and dry first 4 days of October, Indiana received the first significant rain since September 23rd. This rain of 1/2 to one inch on the 5th helped moisten the soils for the onslaught of rain that began on the 10th.

A storm system more typical of middle to late November developed over the central portion of the United States. This system remained over the Midwest from late on the 10th through the 16th. Rain of 5 to 7 inches fell over much of Indiana and eastern Illinois during this time. This caused the highest and most extensive October flood conditions for much of the Wabash River since the late 1920s. Lowland flooding along the White and East Fork White Rivers did not exceed October 2000s levels from this rain event.

The weather pattern turned quiet on the 17th and remained quiet through the 22nd. Another storm system developed late on the 23rd and through the day on the 24th. Rainfall late on the 23rd and early on the 24th exceeded 4 inches in portions of south central and southeast Indiana. This rain and an additional 1/2 to 1 1/2 inches on the 24th caused renewed rises along the East Fork White, White and Wabash Rivers.

The resulting flood was higher than the October 2000 flood for most locations along the East Fork White and White Rivers. Flooding along the Wabash River did not exceed earlier October levels in Western Indiana. Flood levels along the Wabash River in southwest Indiana and southeast Illinois became the highest since the October 1, 1927.

October 24th was a day when northern Indiana experienced a rare killer tornado. Hail exceeding 1 1/2 inches in diameter fell in portions of Marion, Shelby and Hancock counties during the evening of the 24th. Strong local winds knocked down crops in portions of southwest Indiana.

From the 25th through the end of October, little or no rain fell in Indiana. This allowed small streams and rivers to return to more normal levels at the close of October. At the end of October, extensive lowland flooding continued along the White River in southwest Indiana and lowland flooding along the Wabash River.

Monthly temperatures during October averaged slightly below normal. The warmest day of the month occurred on the 2nd or 3rd, when high temperatures reached into the low 80s. The coldest temperatures of the month occurred on the 28th, when the low temperatures dropped into the upper 20s.

Measurable precipitation fell on 9 to 15 days during the month. Most locations in the Indianapolis HSA had three days with an inch or more of rain.

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MONTHLY REPORT OF RIVER AND
FLOOD CONDITIONS

REPORT FOR:

MONTH: November YEAR: 2001

TO: Hydrometeorological Information Center
NWS/Office of Hydrology, W/OH12x1
1325 East-West Highway, Room 7128
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SIGNATURE:

(In Charge of Hydrologic Service Area)

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November 2001 was the warmest November for much of Indiana in 70 years. Monthly temperatures averaged more than 6 degrees above normal across the Indianapolis HSA. This was a complete reversal from the near record cold pattern of November-December 2000. Little rain also fell through the 23rd allowing the state to dry out from a very wet October.

For the Indianapolis area, this was the 4th warmest November of record. For the first time since weather records began at Indianapolis in 1871, the average of the daily maximum temperature exceeded 60 degrees for November. There were only 4 days during November when the average daily temperature was below normal.

The warmest temperatures during November reached into the upper 60s and lower 70s across the Indianapolis HSA. This occurred on the 1st, 4th or 16th. The coldest temperature occurred on the 12th, 20th or 21st when the low temperature dropped into the upper 20s. Temperature fell below 33 degrees on only 3 to 5 days during the month.

Flooding from heavy rains during October ended in southwest Indiana by November 5th. The driest weather since November 1999, from October 26th through November 23rd, allowed farmers to finish harvest after a long delay during October. By the 23rd streams and rivers had returned to normal levels.

Severe weather struck portions of central Indiana on November 24th. One tornado occurred in Shelby County. The last time central Indiana saw tornadoes around this time in November was during 1992.

Rain of 2 to more than 6 inches fell in central and southern Indiana from the 24th through the 30th. The heaviest rain was in southern Indiana. Because of this rain, flooding returned to the East Fork White and White Rivers in southern Indiana. Flood levels along the East Fork White River in south central Indiana exceeded those of October by 1/2 to 1 1/2 feet. Flooding along the White River in the Petersburg and Hazleton areas was similar to October. River levels at other locations were lower than October levels.

November monthly rainfall in the HSA ranged from 1 2/3 inches in west central Indiana to nearly 7 inches in isolated areas of central and southern Indiana. Rainfall was below normal in the northern half of the HSA and much above normal in the southern portions.

Measurable precipitation fell on 8 to 10 days during the month. Only locations in the southern portion of the Indianapolis HSA had 1 to 3 days with an inch or more of rain.

Area

NOAA, National Weather Service

Indianapolis, Indiana

9/22/2006 Flood Stage Report

November 2001

| Time | Stream and Location | Flood Stage | Above Flood From | Flood Time | Stage To | Crest Stage | Crest Date |
|------|---|-------------|------------------|------------|----------|-------------|------------|
| - | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| 1000 | Big Blue River..... Carthage IN. | 7.0 | | | | 5.47 | 11/30 |
| 1900 | Shelbyville IN. | 11.0 | | | | 10.50 | 11/30 |
| 1300 | Big Raccoon Creek..... Fincastle IN. | 11.0 | | | | 6.10 | 11/30 |
| 1100 | Coxville IN. | 14.0 | | | | 11.21 | 11/30 |
| 1100 | Big Walnut Creek..... Reelsville IN. | 12.0 | | | | 8.40 | 11/30 |
| 0630 | Blue River..... Fredericksburg IN. | 20.0 | | | | 17.03 | 11/29 |
| 1000 | Buck Creek..... Acton IN. | 9.0 | | | | 7.73 | 11/30 |
| 0100 | Buck Creek (South)..... New Middletown IN. | 12.0 | | | | 5.35 | 11/30 |
| 0830 | Busseron Creek..... CARLISLE IN. | 16.0 | | | | 10.00 | 11/30 |
| 1130 | Clifty Creek..... Hartsville IN. | 10.0 | | | | 4.94 | 11/29 |
| 0030 | Deer Creek..... Delphi IN. | | | | | 4.57 | 12/01 |
| 1000 | Eagle Creek..... Zionsville IN. | 9.0 | | | | 4.42 | 11/30 |
| 0400 | East Fork White River..... Columbus IN. | 9.0 | | | | 6.14 | 12/01 |
| 2359 | Rockford IN. | 12.0 | | | | 10.61 | 11/27 |

| | | | | | | |
|------|--|------|------------|-------|-------|-------|
| 1200 | Rockford IN. | 12.0 | | | 7.60 | 11/30 |
| 0100 | Rockford IN. | 12.0 | 11/29 0530 | 12/03 | 16.05 | 12/01 |
| 0700 | Rivervale IN. | 20.0 | 12/01 2330 | 12/03 | 24.61 | 12/04 |
| 1500 | Bedford Boat Club IN. | 20.0 | 12/03 2200 | 12/05 | 20.80 | 12/04 |
| 2359 | Williams IN. | 8.0 | 12/03 1000 | 12/06 | 8.70 | 12/04 |
| 2359 | Shoals IN. | 20.0 | | | 14.39 | 11/30 |
| 0600 | Shoals IN. | 20.0 | | | 17.05 | 12/05 |
| 2100 | Eel River..... Bowling Green IN. | 17.0 | | | 12.85 | 11/30 |
| 1615 | Eel River (North)..... North Manchester IN. | 7.0 | | | 7.83 | 11/30 |
| 0100 | Adamsboro IN. | 10.0 | | | 7.41 | 12/01 |
| 0845 | Embarras River..... Camargo IL. | | | | 7.74 | 12/01 |

Area

NOAA, National Weather Service

Indianapolis, Indiana

9/22/2006 Flood Stage Report

November 2001

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|------|--|-------------|------------------|------------|----------|-------------|------------|
| - | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| 1015 | Embarras River..... Ste Marie IL. | 19.0 | | | | 8.74 | 12/01 |
| 0526 | Lawrenceville IL. | 29.0 | | | | 26.91 | 12/01 |
| 1800 | Fall Creek..... Fortville IN. | 8.0 | | | | 5.36 | 11/30 |
| 2000 | Tailwater Geist Rsvr D. | | | | | 3.40 | 11/30 |
| 0045 | Millersville IN. | 9.0 | | | | 6.52 | 12/01 |
| 1100 | Flatrock River..... St. Paul IN. | 6.0 | | | | 4.19 | 11/30 |
| 1645 | Harberts Creek..... Madison IN. | 6.0 | | | | 5.77 | 11/28 |
| 1000 | Little River..... Huntington IN. | 15.0 | | | | 12.07 | 11/30 |
| 0700 | Middle Fork Anderson River..... Bristow IN. | 15.0 | | | | 13.56 | 11/29 |
| 1500 | Mill Creek..... Cataract IN. | 15.0 | | | | 12.29 | 11/30 |
| 1100 | Mississinewa River..... Ridgeville IN. | 11.0 | | | | 6.83 | 11/29 |
| 1000 | Ridgeville IN. | 11.0 | | | | 9.43 | 11/30 |
| 1600 | Marion 2N IN. | 10.0 | | | | 7.45 | 11/30 |
| 2315 | Muscatatuck River..... Deputy IN. | 15.0 | | | | 11.52 | 11/27 |
| 0315 | Deputy IN. | 15.0 | | | | 21.19 | 11/29 |
| 0715 | Deputy IN. | 15.0 | | | | 18.41 | 11/30 |

| | | | | |
|------|--|------|-------|-------|
| 1100 | Vernon 1SW IN. | 17.0 | 11.14 | 11/27 |
| 2000 | Vernon 1SW IN. | 17.0 | 12.28 | 11/28 |
| 1100 | Vernon 1SW IN. | 17.0 | 12.21 | 11/29 |
| 0700 | Vernon 1SW IN. | 17.0 | 12.31 | 11/29 |
| 2300 | Wheeler Hollow IN. | 16.0 | 21.60 | 12/02 |
| 0115 | North Fork Embarras River..... Oblong IL. | | 10.51 | 12/01 |
| 1700 | Patoka River..... Jasper IN. | 14.0 | 14.38 | 11/30 |
| 2000 | Princeton IN. | 18.0 | 17.97 | 12/04 |
| 2000 | Pipe Creek..... Frankton IN. | 12.0 | 8.03 | 11/30 |
| 1800 | Salamonie River..... Warren 2.4 NW IN. | 12.0 | 10.46 | 11/30 |

Area

NOAA, National Weather Service

Indianapolis, Indiana

9/22/2006 Flood Stage Report

November 2001

| Time | Stream and Location | Flood Stage | Above From | Flood Time | Stage To | Crest Stage | Crest Date |
|------|---|-------------|------------|------------|----------|-------------|------------|
| - | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| 0900 | Salt Creek..... Harrodsburg IN. | 25.0 | | | | 17.36 | 11/29 |
| 0800 | Harrodsburg IN. | 25.0 | | | | 16.63 | 11/30 |
| 0500 | Silver Creek..... Sellersburg IN. | 20.0 | | | | 17.25 | 11/30 |
| 0515 | South Fork Patoka River..... Spurgeon IN. | 11.5 | | | | 8.80 | 11/27 |
| 1400 | Spurgeon IN. | 11.5 | | | | 8.53 | 11/28 |
| 0445 | Spurgeon IN. | 11.5 | | | | 7.87 | 11/29 |
| 0145 | Spurgeon IN. | 11.5 | | | | 7.98 | 11/30 |
| 2200 | Sugar Creek..... Crawfordsville IN. | 8.0 | | | | 3.63 | 11/30 |
| 1030 | Sugar Creek (South)..... New Palestine IN. | 8.0 | | | | 6.44 | 11/30 |
| 2230 | Edinburgh IN. | 10.0 | | | | 10.76 | 11/30 |
| 2100 | Tippecanoe River..... Ora IN. | 11.0 | | | | 9.14 | 12/01 |
| 2345 | Vermilion River..... Danville IL. | 18.0 | | | | 7.23 | 11/30 |
| 1800 | Wabash River..... Wabash IN. | 12.0 | | | | 10.70 | 11/30 |
| 0400 | Peru IN. | 20.0 | | | | 10.64 | 12/03 |
| 2300 | Logansport IN. | 17.0 | | | | 8.31 | 12/01 |
| 0200 | Logansport IN. | 17.0 | | | | 8.75 | 12/02 |
| 1700 | Lafayette IN. | 11.0 | 12/01 | 1000 | 12/04 | 12.26 | 12/02 |

| | | | | | | |
|------|---------------------------|------|-------|------|-------|-------------|
| 1300 | Covington IN. | 16.0 | | | 15.99 | 12/03 |
| 1400 | Montezuma IN. | 14.0 | 12/02 | 1230 | 12/05 | 14.68 12/03 |
| 1000 | Terre Haute IN. | 14.0 | | | | 12.82 12/04 |
| 0100 | Hutsonville IL. | 16.0 | | | | 15.60 12/05 |
| 1000 | Riverton IN. | 15.0 | | | | 14.46 12/05 |
| 2100 | Red Skelton Bridge IN. | 17.5 | | | | 13.64 12/05 |
| 1800 | Vincennes IN. | 16.0 | | | | 12.25 12/05 |
| 2359 | Mount Carmel IL. | 19.0 | | | | 18.80 12/06 |
| 1900 | New Harmony IN. | 15.0 | | | | 14.43 12/07 |
| | West Fork Blue River..... | | | | | |
| 1345 | Salem IN. | 12.0 | | | 6.90 | 11/28 |
| | Whiskey Run..... | | | | | |
| 1245 | Marengo IN. | 8.0 | | | 5.07 | 11/28 |
| | White Lick Creek..... | | | | | |
| 1500 | Mooreville IN. | 17.0 | | | 12.41 | 11/30 |

| Time | Stream and Location | Flood Stage | Above From | Flood Time | Stage To | Crest Stage | Crest Date |
|------|--------------------------|-------------|------------|------------|----------|-------------|------------|
| - | White River..... | | | | | | |
| | Muncie IN. | 9.0 | | | | 7.49 | 11/30 |
| 2000 | Anderson 10th St. IN. | 10.0 | | | | 8.49 | 11/30 |
| 2300 | Anderson Raible Ave. IN. | 10.0 | | | | 8.41 | 12/01 |
| 0300 | Noblesville IN. | 14.0 | | | | 11.04 | 12/01 |
| 1400 | Nora IN. | 11.0 | | | | 8.04 | 12/01 |
| 1700 | Broad Ripple Dam IN. | 6.0 | | | | 5.06 | 12/01 |
| 1900 | Indpls Morris St. IN. | 16.0 | | | | 10.84 | 12/01 |
| 1545 | Stout Power Plant IN. | 10.0 | | | | 6.21 | 12/01 |
| 1400 | Centerton 1S IN. | 12.0 | | | | 8.36 | 11/30 |
| 1500 | Centerton IN. | 603.0 | | | | 598.30 | 11/30 |
| 1600 | Spencer IN. | 14.0 | | | | 13.46 | 12/01 |
| 1200 | Worthington IN. | 18.0 | | | | 19.05 | 12/02 |
| 1300 | Elliston IN. | 18.0 | 11/30 | 1000 | 12/03 | 20.09 | 12/02 |
| 1300 | Newberry IN. | 13.0 | 11/30 | 1330 | 12/03 | 14.10 | 12/02 |
| 0700 | Edwardsport IN. | 15.0 | 11/30 | 1100 | 12/05 | 17.20 | 12/03 |
| 1800 | Petersburg Power Plt IN. | 16.0 | | | | 20.04 | 12/05 |
| 1000 | Petersburg IN. | 16.0 | 11/30 | 0845 | 12/09 | 20.10 | 12/05 |
| 1000 | Hazleton IN. | 16.0 | 11/30 | 0700 | 12/10 | 20.10 | 12/06 |
| 0800 | Whitewater River..... | | | | | | |
| | Economy IN. | | | | | 5.09 | 11/29 |
| 0600 | Economy IN. | | | | | 6.05 | 11/30 |
| 0600 | Alpine IN. | 14.0 | | | | 14.91 | 11/30 |
| 1800 | Brookville IN. | 20.0 | | | | 8.66 | 11/30 |
| 0800 | Wildcat Creek..... | | | | | | |

| | | | | |
|------|--------------------------------|------|------|-------|
| 1530 | Jerome 1 SE IN. | | 4.95 | 11/30 |
| 0345 | Kokomo IN. | 10.0 | 5.35 | 12/01 |
| 1500 | Youngs Creek..... Amity IN. | 7.0 | 6.74 | 11/30 |

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MONTHLY REPORT OF RIVER AND
FLOOD CONDITIONS

REPORT FOR:

MONTH: December YEAR: 2001

TO: Hydrometeorological Information Center
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1325 East-West Highway, Room 7128
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SIGNATURE:

(In Charge of Hydrologic Service Area)
DATE: March 12, 2007

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Flood levels in portions of southern Indiana were the highest since May 1996. Extensive flooding occurred along the Muscatatuck, White, East Fork White and Wabash Rivers in southern Indiana. Some locations in southwest Indiana received more than 12 inches of rain in a 3 week period extending from late November through the middle of December.

There were two distinct flood events during December. The first came from rains that occurred at the end of November and the second from rains during the middle of December. The second flood event was the more significant.

As a result of late November rains, flooding continued during the first 10 days of December along portions of the White, Wabash, East Fork White and Muscatatuck Rivers. Because little rain fell during the first 11 days of December, rivers returned to near normal levels by the 14th.

The first significant rain event of December occurred on the 14th. Rain of 1/2 to 1 1/2 inches fell in much of the HSA. This brought streams and rivers to near bankfull levels and set the stage for the biggest flooding in portions of southern Indiana in more than 4 1/2 years.

Rain of 1 to 3 1/2 inches fell on the 16th and 17th in the Indianapolis HSA. The heaviest rain fell in southern Indiana. Extensive flooding occurred along the Muscatatuck, East White, White and Wabash Rivers in southern Indiana. Flooding affected extensive agricultural areas and closed numerous local and state roads. Two motorists in the state (one in the HSA) drowned as a result of driving into flood waters.

Flooding levels along the Muscatatuck River in northern Washington County were the highest since May 1996. Flood levels along the East Fork White were generally the highest since June 1997. Flood levels along the White River in southern Indiana and the Wabash River at Mount Carmel were the highest since January 1999. Flooding in western, central and northern portions of the HSA did not exceed levels experienced during October.

A cold front on the 23rd brought real winter to Indiana. Rain of 1/2 to 1 inch fell in south central and southeast Indiana ahead of this cold front and caused small streams to rise and slow the fall of the East Fork White and White Rivers in southern Indiana.

The combination of no measurable liquid rain and below freezing temperatures after the 23rd allowed flooding to end by the 30th.

The mild weather of November continued through December 23rd in the Indianapolis HSA. The December 1-23 period was the 4th warmest ever for Indianapolis and the warmest since 1918. A complete reversal occurred on the 24th as generally below freezing weather ended the month. Temperatures from the 24th through the 31st at Indianapolis were the 27th coldest of record and the coldest since 2000.

Overall, December averaged 4 1/2 to 7 1/2 degrees above normal. For the Indianapolis area, this was the 15th warmest December of record and the warmest since 1994. All of the days from the 1st through the 23rd averaged above normal. After the 23rd, only the 28th averaged above normal.

The warmest temperatures during December reached the 70 degree mark on the 5th. This was a new record for the date at Indianapolis. The lowest occurred on the 30th when minimum temperatures dropped into the single digits. Temperatures fell below 33 degrees on only 15 to 18 days during the month and never rose above 32 degrees on 6 to 8 days.

December monthly rainfall in the HSA ranged from 2 inches in northwestern areas to over 5 1/2 inches in southern areas. Rainfall was below normal in the northern half of the HSA and much above normal in the southern portions. Monthly snow fall totals were below normal, with most locations receiving less than 2 inches in the HSA.

Measurable precipitation fell on 8 to 14 days during the month. Most locations in the southern portion of the Indianapolis HSA had 2 days with an inch or more of rain, while northern areas had none.

At the end of the month, the top of the soil was frozen and rivers in southwest Indiana were falling steadily. Most streams in northern and central Indiana were at near 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 | | | | 3.68 | 12/14 | 2300 |
| CARTHAGE IN. | 7.0 | | | | 7.53 | 12/18 | 0200 |
| SHELBYVILLE IN. | 11.0 | | | | 8.09 | 12/15 | 0530 |
| SHELBYVILLE IN. | 11.0 | | | | 13.05 | 12/18 | 2000 |
| SHELBYVILLE IN. | 11.0 | | | | 10.50 | 12/30 | 1900 |
| BIG RACCOON CREEK..... | | | | | | | |
| FINCASTLE 3 W IN. | 11.0 | | | | 5.74 | 12/15 | 0100 |
| FINCASTLE 3 W IN. | 11.0 | | | | 9.57 | 12/17 | 1800 |
| COXVILLE IN. | 14.0 | | | | 9.38 | 12/14 | 2200 |
| COXVILLE IN. | 14.0 | | | | 13.15 | 12/17 | 1800 |
| BIG WALNUT CREEK..... | | | | | | | |
| REELSVILLE IN. | 12.0 | | | | 8.53 | 12/14 | 2200 |
| REELSVILLE IN. | 12.0 | | | | 12.05 | 12/17 | 1700 |
| REELSVILLE IN. | 12.0 | | | | 8.40 | 12/30 | 1100 |
| BLUE RIVER..... | | | | | | | |
| FREDERICKSBURG IN. | 20.0 | | | | 21.98 | 12/17 | 2000 |
| BUCK CREEK (South)..... | | | | | | | |
| NEW MIDDLETOWN 3.6 SW IN. | 12.0 | | | | 7.82 | 12/17 | 1200 |
| Buck Creek | | | | | | | |
| ACTON IN. | | | | | 6.73 | 12/14 | 2030 |
| ACTON IN. | | | | | 9.34 | 12/17 | 2359 |
| BUSSEYON CREEK..... | | | | | | | |
| CARLISLE 2 NW IN. | 16.0 | | | | 10.09 | 12/14 | 1900 |
| CARLISLE 2 NW IN. | 16.0 | | | | 11.93 | 12/17 | 2300 |
| Bonpas Creek..... | | | | | | | |
| Browns IL. | | | | | 15.82 | 12/14 | 1645 |
| Browns IL. | | | | | 20.01 | 12/17 | 1715 |
| CLIFTY CREEK..... | | | | | | | |
| HARTSVILLE IN. | 10.0 | | | | 9.58 | 12/17 | 2100 |
| DEER CREEK..... | | | | | | | |
| DELPHI 2.6 NE IN. | | | | | 4.36 | 12/15 | 1515 |
| DELPHI 2.6 NE IN. | | | | | 6.62 | 12/18 | 0245 |
| EAGLE CREEK..... | | | | | | | |
| ZIONSVILLE IN. | 7.0 | | | | 7.31 | 12/17 | 1500 |
| EAST FORK WHITE R..... | | | | | | | |
| COLUMBUS IN. | 9.0 | | | | 3.50 | 12/15 | 2030 |
| COLUMBUS IN. | 9.0 | 12/18 | 0600 | 12/20 | 10.47 | 12/19 | 0030 |
| SEYMOUR 2 N IN. | 12.0 | 12/16 | 0700 | | 12.14 | 12/16 | 1600 |
| SEYMOUR 2 N IN. | 12.0 | | | 12/22 | 18.34 | 12/18 | 1100 |
| BEDFORD 8SE IN. | 20.0 | 12/17 | 1230 | 12/26 | 30.84 | 12/21 | 0200 |
| BEDFORD 4 SW IN. | 20.0 | 12/17 | 2359 | 12/25 | 27.00 | 12/21 | 1400 |

| | | | | | | | |
|--------------------------|------|-------|------|-------|-------|-------|------|
| WILLIAMS IN. | 8.0 | 12/17 | 1800 | 12/27 | 14.00 | 12/21 | 2300 |
| SHOALS HIWAY 50 BRID IN. | 20.0 | | | | 9.32 | 12/15 | 1500 |
| SHOALS HIWAY 50 BRID IN. | 20.0 | 12/18 | 0900 | | 21.16 | 12/19 | 0600 |
| SHOALS HIWAY 50 BRID IN. | 20.0 | | | 12/25 | 25.68 | 12/23 | 0300 |

| 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 | | | | 6.05 | 12/14 | 2100 |
| ABINGTON IN. | 12.0 | | | | 12.54 | 12/17 | 1800 |
| ABINGTON IN. | 12.0 | | | | 4.20 | 12/23 | 0300 |
| EEL RIVER..... | | | | | | | |
| BOWLING GREEN IN. | 17.0 | | | | 11.71 | 12/15 | 1600 |
| BOWLING GREEN IN. | 17.0 | | | | 17.32 | 12/18 | 0600 |
| BOWLING GREEN IN. | 17.0 | 12/17 | 2345 | 12/18 | 17.32 | 12/18 | 0600 |
| EEL RIVER...NORTH..... | | | | | | | |
| ADAMSBORO IN. | 10.0 | | | | 6.85 | 12/15 | 1500 |
| ADAMSBORO IN. | 10.0 | | | | 8.22 | 12/18 | 0700 |
| EMBARRAS RIVER..... | | | | | | | |
| Carmargo 2 SW IL. | 12.0 | | | | 9.75 | 12/18 | 1100 |
| STE MARIE IL. | 19.0 | | | | 18.52 | 12/19 | 2000 |
| LAWRENCEVILLE IL. | 11.0 | | | | 16.10 | 12/21 | 0700 |
| LAWRENCEVILLE IL. | 29.0 | | | | 33.62 | 12/22 | 0941 |
| FALL CREEK..... | | | | | | | |
| FORTVILLE 2 NW IN. | | | | | 4.84 | 12/15 | 0400 |
| FORTVILLE 2 NW IN. | | | | | 6.76 | 12/18 | 1300 |
| Geist Reservoir IN. | | | | | 3.33 | 12/15 | 1100 |
| Geist Reservoir IN. | | | | | 4.42 | 12/18 | 2000 |
| MILLERSVILLE IN. | 7.0 | | | | 5.86 | 12/15 | 1530 |
| MILLERSVILLE IN. | 7.0 | | | | 8.32 | 12/18 | 1330 |
| FLATROCK RIVER..... | | | | | | | |
| ST. PAUL IN. | | | | | 2.63 | 12/15 | 1030 |
| ST. PAUL IN. | | | | | 7.71 | 12/18 | 0130 |
| HARBERTS CREEK..... | | | | | | | |
| Madison IN. | 6.0 | | | | 4.15 | 12/14 | 1100 |
| Madison IN. | 6.0 | | | | 5.74 | 12/16 | 1900 |
| Madison IN. | 6.0 | | | | 6.19 | 12/17 | 0915 |
| Madison IN. | 6.0 | | | | 4.63 | 12/23 | 0345 |
| LITTLE EAGLE CREEK..... | | | | | | | |
| SPEEDWAY IN. | | | | | 4.41 | 12/14 | 1345 |
| SPEEDWAY IN. | | | | | 4.16 | 12/17 | 0815 |
| LITTLE RIVER..... | | | | | | | |
| HUNTINGTON 5 W IN. | 15.0 | | | | 11.65 | 12/14 | 2300 |
| HUNTINGTON 5 W IN. | 15.0 | | | | 13.07 | 12/17 | 1700 |
| M.F. Vermilion River..... | | | | | | | |
| Oakwood 2 NE IL. | | | | | 5.51 | 12/17 | 2245 |
| MIDDLE FORK ANDERSON..... | | | | | | | |
| BRISTOW IN. | 15.0 | | | | 13.85 | 12/17 | 1100 |
| MILL CREEK..... | | | | | | | |

| | | | | |
|------------------|------|-------|-------|------|
| CATARACT 3 E IN. | 10.0 | 12.72 | 12/15 | 1100 |
| CATARACT 3 E IN. | 10.0 | 14.15 | 12/18 | 1000 |

| STREAM AND LOCATION | FLOOD STAGE | ABOVE FLOOD FROM | FLOOD TIME | STAGE TO | CREST STAGE | CREST DATE | CREST TIME |
|---------------------------|-------------|------------------|------------|----------|-------------|------------|------------|
| MISSISSINEWA RIVER..... | | | | | | | |
| RIDGEVILLE 2 E IN. | 10.0 | | | | 8.79 | 12/14 | 1900 |
| RIDGEVILLE 2 E IN. | 10.0 | | | | 11.75 | 12/17 | 2359 |
| MARION 2 N IN. | 10.0 | | | | 6.54 | 12/15 | 0900 |
| MARION 2 N IN. | 10.0 | | | | 8.81 | 12/17 | 2300 |
| MUSCATATUCK RIVER..... | | | | | | | |
| Deputy 1WNW IN. | 15.0 | | | | 12.94 | 12/14 | 2315 |
| Deputy 1WNW IN. | 15.0 | | | | 25.60 | 12/17 | 1715 |
| Deputy 1WNW IN. | 15.0 | | | | 14.03 | 12/23 | 1715 |
| VERNON 1SW 1 SW IN. | 17.0 | | | | 7.74 | 12/14 | 1930 |
| VERNON 1SW 1 SW IN. | 17.0 | | | | 19.58 | 12/17 | 1300 |
| WHEELER HOLLOW IN. | 16.0 | | | | 23.50 | 12/19 | 1200 |
| N. F. EMBARRAS RIVER..... | | | | | | | |
| OBLONG 2 W IL. | | | | | 18.14 | 12/18 | 1400 |
| N.F. Vermilion River..... | | | | | | | |
| Bismarck 2 W IL. | | | | | 9.58 | 12/18 | 0045 |
| PATOKA RIVER..... | | | | | | | |
| JASPER IN. | 14.0 | | | | 15.65 | 12/18 | 1200 |
| PRINCETON 2 MI NE IN. | 18.0 | | | | 21.62 | 12/23 | 0300 |
| PIPE CREEK..... | | | | | | | |
| FRANKTON PIPE CREEK IN. | 12.0 | | | | 7.93 | 12/15 | 0600 |
| FRANKTON PIPE CREEK IN. | 12.0 | | | | 9.53 | 12/17 | 2330 |
| SALAMONIE RIVER..... | | | | | | | |
| WARREN 2.4 NW IN. | 12.0 | | | | 10.07 | 12/15 | 0600 |
| WARREN 2.4 NW IN. | 12.0 | | | | 11.17 | 12/17 | 2200 |
| SALT CREEK..... | | | | | | | |
| HARRODSBURG 2 SE IN. | 25.0 | | | | 19.21 | 12/14 | 1600 |
| HARRODSBURG 2 SE IN. | 25.0 | | | | 24.08 | 12/17 | 2100 |
| HARRODSBURG 2 SE IN. | 25.0 | | | | 15.19 | 12/21 | 2300 |
| SILVER CREEK..... | | | | | | | |
| SELLERSBURG 2.4 SE IN. | 20.0 | | | | 8.89 | 12/14 | 2000 |
| SELLERSBURG 2.4 SE IN. | 20.0 | | | | 21.13 | 12/18 | 0600 |
| SELLERSBURG 2.4 SE IN. | 20.0 | | | | 10.56 | 12/23 | 1400 |
| SOUTH FORK PATOKA R..... | | | | | | | |
| SPURGEON IN. | 11.5 | | | | 5.67 | 12/14 | 1130 |
| SPURGEON IN. | 11.5 | | | | 13.06 | 12/17 | 0915 |
| SUGAR CREEK..... | | | | | | | |
| CRAWFORDSVILLE IN. | 8.0 | | | | 3.58 | 12/15 | 0800 |
| CRAWFORDSVILLE IN. | 8.0 | | | | 5.53 | 12/17 | 2100 |
| Sugar Creek (South) | | | | | | | |
| NEW PALESTINE IN. | 8.0 | | | | 4.98 | 12/14 | 2000 |
| NEW PALESTINE IN. | 8.0 | | | | 5.34 | 12/16 | 0030 |
| NEW PALESTINE IN. | 8.0 | | | | 7.14 | 12/18 | 0130 |

| | | | | |
|--------------------|-----|-------|-------|------|
| NEW PALESTINE IN. | 8.0 | 7.01 | 12/19 | 1100 |
| EDINBURGH 2 NW IN. | 9.0 | 9.53 | 12/15 | 0830 |
| EDINBURGH 2 NW IN. | 9.0 | 12.93 | 12/18 | 1830 |

| STREAM AND LOCATION | FLOOD STAGE | ABOVE FROM | FLOOD TIME | STAGE TO | CREST STAGE | CREST DATE | CREST TIME |
|---------------------------|-------------|------------|------------|----------|-------------|------------|------------|
| TIPPECANOE RIVER..... | | | | | | | |
| ORA 1 SW IN. | 11.0 | | | | 10.67 | 12/19 | 1530 |
| DELPHI 6 W IN. | 8.0 | | | | 6.53 | 12/17 | 2000 |
| VERMILION RIVER..... | | | | | | | |
| DANVILLE 2 SE IL. | 18.0 | | | | 10.47 | 12/18 | 0030 |
| WABASH RIVER..... | | | | | | | |
| LINN GROVE IN. | 11.0 | | | | 10.57 | 12/19 | 1500 |
| WABASH IN. | 12.0 | | | | 12.82 | 12/17 | 1300 |
| PERU IN. | 20.0 | | | | 11.52 | 12/17 | 1200 |
| LOGANSPOUT CICOTT ST IN. | 17.0 | | | | 10.01 | 12/17 | 2000 |
| LAFAYETTE IN. | 11.0 | 12/16 | 0600 | 12/23 | 16.84 | 12/18 | 1700 |
| COVINGTON IN. | 16.0 | 12/17 | 0630 | 12/24 | 20.55 | 12/20 | 1400 |
| MONTEZUMA IN. | 14.0 | 12/17 | 0115 | 12/25 | 20.28 | 12/18 | 1600 |
| TERRE HAUTE WTR CORP IN. | 14.0 | 12/17 | 0915 | 12/25 | 18.05 | 12/20 | 0500 |
| HUTSONVILLE IL. | 16.0 | 12/17 | 0900 | 12/28 | 20.30 | 12/23 | 0600 |
| RIVERTON IN. | 15.0 | 12/17 | 1045 | 12/28 | 18.53 | 12/23 | 2200 |
| VINCENNES IN. | 17.5 | 12/20 | 1000 | 12/27 | 18.51 | 12/23 | 2359 |
| VINCENNES 1 W IN. | 16.0 | 12/19 | 0001 | 12/28 | 17.40 | 12/24 | 0700 |
| MOUNT CARMEL IL. | 19.0 | 12/17 | 1630 | 12/30 | 25.83 | 12/25 | 0500 |
| NEW HARMONY IN. | 15.0 | | | | 18.33 | 12/26 | 1500 |
| WEST FORK BLUE RIVER..... | | | | | | | |
| Salem IN. | 12.0 | | | | 9.61 | 12/17 | 0930 |
| WHITE LICK CREEK..... | | | | | | | |
| MOORESVILLE IN. | 15.0 | | | | 12.82 | 12/14 | 2330 |
| MOORESVILLE IN. | 15.0 | | | | 15.23 | 12/17 | 2000 |
| WHITE RIVER..... | | | | | | | |
| MUNCIE IN. | 9.0 | | | | 8.42 | 12/18 | 1300 |
| ANDERSON WATERWORKS IN. | 10.0 | 12/18 | 0500 | 12/19 | 10.44 | 12/18 | 1400 |
| ANDERSON SEWAGE PLAN IN. | | | | | 10.64 | 12/18 | 1600 |
| NOBLESVILLE IN. | 14.0 | 12/18 | 1300 | 12/19 | 14.31 | 12/18 | 2300 |
| NORA IN. | 11.0 | | | | 10.89 | 12/19 | 0400 |
| BROAD RIPPLE DAM IN. | | | | | 6.17 | 12/19 | 0700 |
| INDIANAPOLIS MORRIS IN. | 16.0 | | | | 10.76 | 12/16 | 0430 |
| INDIANAPOLIS MORRIS IN. | 16.0 | | | | 13.24 | 12/19 | 0730 |
| STOUT GENERATING STA IN. | 10.0 | | | | 6.27 | 12/16 | 0500 |
| STOUT GENERATING STA IN. | 10.0 | | | | 7.95 | 12/18 | 1100 |
| CENTERTON 1 S IN. | 12.0 | | | | 8.45 | 12/15 | 0100 |
| CENTERTON 1 S IN. | 12.0 | 12/17 | 1430 | 12/19 | 13.53 | 12/18 | 0200 |
| CENTERTON IN. | 603.0 | | | | | | |
| SPENCER IN. | 14.0 | 12/17 | 0915 | 12/22 | 19.13 | 12/19 | 1600 |
| WORTHINGTON IN. | 18.0 | | | | 23.07 | 12/20 | 0800 |
| ELLISTON IN. | 18.0 | 12/15 | 1200 | 12/23 | 24.41 | 12/20 | 0800 |
| NEWBERRY IN. | 13.0 | 12/15 | 1600 | | 18.34 | 12/19 | 0100 |
| NEWBERRY IN. | 13.0 | | | 12/23 | 18.69 | 12/21 | 0600 |
| EDWARDSPOUT IN. | 15.0 | 12/15 | 1700 | 12/28 | 20.90 | 12/19 | 1800 |
| PETERSBURG 3 NE IN. | 16.0 | | | | 24.10 | 12/24 | 1200 |
| PETERSBURG IN. | 16.0 | 12/16 | 1345 | 12/29 | 23.84 | 12/24 | 1300 |
| HAZLETON IN. | 16.0 | 12/16 | 2300 | 12/30 | 24.48 | 12/25 | 0900 |

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

HYDROLOGIC
 INDIANAPOLIS,
 December 2001

1/07/02 FLOOD STAGE REPORT

| CREST DATE | CREST TIME | STREAM AND LOCATION | FLOOD STAGE | ABOVE FLOOD FROM | FLOOD TIME TO | STAGE | CREST STAGE |
|-----------------------|------------|---------------------|-------------|------------------|---------------|-------|-------------|
| ----- | | | | | | | |
| WHITEWATER RIVER..... | | | | | | | |
| | | ECONOMY 2 NW IN. | | | | | 4.87 |
| 12/14 | 1530 | ECONOMY 2 NW IN. | | | | | 5.89 |
| 12/17 | 1100 | ALPINE 2 NE IN. | 14.0 | | | | 12.07 |
| 12/15 | 0300 | ALPINE 2 NE IN. | 14.0 | | | | 17.49 |
| 12/18 | 0700 | ALPINE 2 NE IN. | 14.0 | | | | 10.04 |
| 12/24 | 0100 | BROOKVILLE IN. | 20.0 | | | | 6.12 |
| 12/14 | 1900 | BROOKVILLE IN. | 20.0 | | | | 15.50 |
| 12/17 | 1800 | BROOKVILLE IN. | 20.0 | | | | 5.85 |
| 12/23 | 1000 | | | | | | |
| WILDCAT CREEK..... | | | | | | | |
| | | JEROME 1 SE IN. | | | | | 5.72 |
| 12/15 | 0230 | JEROME 1 SE IN. | | | | | 8.30 |
| 12/17 | 2200 | KOKOMO IN. | 10.0 | | | | 5.99 |
| 12/15 | 1400 | KOKOMO IN. | 10.0 | | | | 8.63 |
| 12/18 | 1015 | LAFAYETTE 4 NE IN. | 10.0 | | | | 10.65 |
| 12/17 | 2359 | | | | | | |
| Whiskey Run..... | | | | | | | |
| | | Marengo IN. | 8.0 | | | | 5.70 |
| 12/16 | 2359 | Marengo IN. | 8.0 | | | | 5.74 |
| 12/17 | 0800 | | | | | | |
| YOUNGS CREEK..... | | | | | | | |
| | | AMITY IN. | | | | | 5.39 |
| 12/14 | 2359 | AMITY IN. | | | | | 8.88 |
| 12/18 | 0015 | | | | | | |

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:

**Paula Cadwell
Paula Guarino
HIC
Ken King
Mike Koch
Wendy Pearson
Craig Hunter
Sol Summer
Dave Teacake
dkmajors@usgs.gov
dknipe@dnr.state.in.us
anance@dnr.state.in.us
jamison.blanton@usace.army.mil
lbridges@dem.state.in.us
rgrant@purdue.edu
snewhous@dem.state.in.us**