

INDIANAPOLIS, INDIANA

REPORT FOR:

MONTHLY REPORT OF RIVER AND
FLOOD CONDITIONS

MONTH: Dec 2004 - Jan 2005

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

SIGNATURE:

(In Charge of Hydrologic Service Area)

Date: December 18, 2009

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

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

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

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

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

There was a sharp cut off for this heavy snow. Much of the state north of I-70 did not see any snow. In the Indianapolis area, Carmel and Brownsburg areas received no snow while the Greenwood area measured 4 inches.

During the evening of the 22nd, the second band of snow moved in, blanketing all of central and southern Indiana. Snow of 4 to more than 18 inches fell from this next storm system. Once again the heaviest snow fell in southern Indiana. This brought the accumulation in much of southern Indiana to more than 20 inches with some spots reporting more than 30 inches of total snow by the evening of the 23rd. Such snowfall amounts are historic not only in southern Indiana but for the entire state.

This epic snow storm closed I-64, I-65, I-74 and crippled I-70 in Indiana. This stranded hundreds of motorists in their vehicles for

hours and some for a few days. A train derailment and collision also occurred in Crawford County as a result of the snow. Snow drifts of up to 4 feet occurred in much of southern Indiana.

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

Temperatures quickly moderated after Christmas as the polar front moved north of Indiana. On the 28th temperatures rose above freezing and remained above freezing through January 5. Field measurements on the 28th indicated that the snow cover had settled greatly. Snow cover in central and southern Indiana ranged from 5 to more than 12 inches. The snow to water equivalent ratio was about 5 inches of snow to 1 inch of water. Much of central Indiana had 1 to 1 ¼ inches of water equivalent. Water equivalents in southern Indiana were even higher and measured 1 ½ to more than 2 ½ inches.

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

With warm air over Indiana, a storm system brought 2 to 4 inches of rain to much of central and southern Indiana from the 1st through the 3rd. Because of the saturated soil conditions, widespread local flooding occurred in central and southern Indiana. The major rivers in the state were flooding by the 4th.

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

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

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

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

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

As this flood unfolded, cold air behind this storm system shut off the rain but left several inches of snow covering central and northern Indiana on the 7th and 8th. Flooding fighting in southern Indiana occurred during rather harsh January conditions from the 7th through the 10th. Milder conditions returned on the 11th.

Some of the significant events during this flood include:

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

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

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

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

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

Spencer lost wastewater treatment service. This closed nearly all the restaurants in town. Flood waters were within 2 ½ blocks of the Owen county courthouse.

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

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

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

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

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

Local Sandbagging in the Elnora area saved several homes.

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

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

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

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

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

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

As this major flood crest was moving downstream along the Wabash River, flood fighting occurred under very brutal conditions. Temperatures fell below freezing late on the 14th. Snow of 1 to 4 inches fell in much of eastern Illinois and central Indiana on the 16th. Temperatures dropped below zero on the 17th and 18th in the Hutsonville and Vincennes areas. Temperature moderated to more normal levels by 19th.

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

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

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

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

Another crest followed the major flood that had occurred along the White and East Fork White Rivers in much of southern Indiana. This crest was 2 to 3 feet lower on the White River from Centerton to

Edwardsport. On the East Fork White River this crest was more than 8 feet lower in the Columbus and Bedford areas and 1 ½ feet lower at Seymour. These crests washed out as they approached Petersburg.

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

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

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

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

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

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

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

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FLOOD STAGE REPORT

January 2005

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				8.61	1/04	0745
Carthage IN.	7.0				11.22	1/06	0515
Carthage IN.	7.0				9.01	1/12	0800
Carthage IN.	7.0				8.86	1/14	0200
Shelbyville IN.	11.0				18.43	1/06	1600
Shelbyville IN.	11.0				14.05	1/13	2100
Shelbyville IN.	11.0				14.21	1/14	1645
Big Creek.....							
Wadesville 1.6 SE IN.					16.06	12/31	0400
Wadesville 1.6 SE IN.					15.36	1/03	1630
Wadesville 1.6 SE IN.					18.46	1/06	0800
Wadesville 1.6 SE IN.					15.45	1/13	2045
Big Raccoon Creek.....							
Fincastle 3 W IN.	11.0				12.98	1/04	0800
Fincastle 3 W IN.	11.0				12.76	1/06	0300
Fincastle 3 W IN.	11.0				10.39	1/12	0800
Fincastle 3 W IN.	11.0				10.55	1/13	2300
Coxville IN.	14.0				14.13	1/04	0600
Coxville IN.	14.0				14.46	1/06	0001
Coxville IN.	14.0				12.99	1/12	0001
Coxville IN.	14.0				13.88	1/13	2200
Big Walnut Creek.....							
Roachdale 3.5 SE IN.					11.08	1/03	1200
Roachdale 3.5 SE IN.					9.03	1/12	1445
Roachdale 3.5 SE IN.					8.79	1/13	1245
Reelsville IN.	12.0				15.32	1/04	1600
Reelsville IN.	12.0				16.29	1/06	1000
Reelsville IN.	12.0				12.00	1/12	0800
Reelsville IN.	12.0				14.02	1/14	0300
Blue River.....							
Fredericksburg IN.	20.0				16.00	12/31	1400
Fredericksburg IN.	20.0				20.31	1/04	0030
Fredericksburg IN.	20.0				19.94	1/05	2200
Fredericksburg IN.	20.0				21.26	1/06	1330
White Cloud 1 N IN.					12.09	12/31	2145
White Cloud 1 N IN.					14.30	1/04	1230
White Cloud 1 N IN.					16.99	1/06	1000
Bonpas Creek.....							
Browns IL.					11.58	12/31	0215
Browns IL.					21.72	1/07	0715
Browns IL.					17.05	1/15	0630
Brush Creek.....							
Nebraska IN.					6.81	12/30	2315
Nebraska IN.					7.41	1/05	0930

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STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD TIME	STAGE TO	CREST STAGE	CREST DATE	CREST TIME
Brush Creek continued..... Nebraska IN.					6.23	1/05	2345
Buck Creek.....							
Acton IN.	9.0				9.49	1/04	0730
Acton IN.	9.0				12.58	1/06	0230
Acton IN.	9.0				9.31	1/12	0600
Acton IN.	9.0				10.68	1/13	2130
Buck Creek (South).....							
New Middletown 3.6 SW IN.	12.0				6.73	1/03	1030
New Middletown 3.6 SW IN.	12.0				7.17	1/06	0730
Cicero Creek.....							
Arcadia IN.					10.25	1/04	0445
Arcadia IN.					11.02	1/05	2330
Arcadia IN.					11.19	1/07	0115
Arcadia IN.					12.44	1/13	1245
Clifty Creek.....							
Hartsville IN.	10.0				6.39	12/31	1200
Hartsville IN.	10.0				8.02	1/03	2100
Hartsville IN.	10.0				9.43	1/06	0400
Crooked Creek.....							
Speedway IN.					6.31	1/03	0730
Speedway IN.					8.22	1/03	2200
Speedway IN.					7.95	1/05	1700
Speedway IN.					6.67	1/13	1200
Deer Creek.....							
Delphi 2.6 NE IN.					8.43	1/06	0400
Delphi 2.6 NE IN.					10.59	1/12	1900
Delphi 2.6 NE IN.					11.19	1/13	1815
Eagle Creek.....							
Zionsville IN.	9.0				9.75	1/04	0145
Zionsville IN.	9.0				10.25	1/05	2100
Zionsville IN.	9.0				9.51	1/12	0515
Zionsville IN.	9.0				8.95	1/13	1930
Speedway IN.	9.0				9.52	1/04	1000
Speedway IN.	9.0				11.12	1/05	1600
Speedway IN.	9.0				9.75	1/06	0730
Speedway IN.	9.0				8.58	1/12	1415
East Fork White River.....							
Columbus IN.	9.0				5.46	1/01	1400
Columbus IN.	9.0	1/04	1300		9.25	1/04	1930
Columbus IN.	9.0			1/09	17.05	1/07	1130
Columbus IN.	9.0	1/13	2300	1/16	10.80	1/14	2330
Rockford IN.	12.0	12/31	1430		15.20	1/02	0100

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

East Fork White River continued.....							
Rockford IN.	12.0				19.40	1/06	2300
Rockford IN.	12.0			1/18	17.68	1/14	1700
Rivervale IN.	20.0	1/03	1230		37.51	1/09	0500
Rivervale IN.	20.0			1/20	27.57	1/17	0300
Bedford Boat Club 4 SW IN.	20.0	1/04	0700		34.65	1/09	1800
Bedford Boat Club 4 SW IN.	20.0			1/20	24.50	1/17	1000
Williams IN.	8.0	1/06	1500		21.30	1/09	2130
Williams IN.	8.0			1/20	10.90	1/18	0700
Shoals IN.	20.0				10.02	1/01	1400
Shoals IN.	20.0	1/05	0115	1/20	33.22	1/11	0100
East Fork Whitewater River.....							
Abington IN.	12.0				12.03	1/03	1600
Abington IN.	12.0				15.36	1/06	0030
Abington IN.	12.0				12.22	1/12	0330
Eel River.....							
Bowling Green IN.	17.0	1/03	1930	1/08	21.58	1/06	0600
Bowling Green IN.	17.0				16.40	1/12	2200
Bowling Green IN.	17.0	1/13	1230	1/14	19.13	1/14	0800
Eel River (North).....							
North Manchester IN.	7.0				9.70	1/04	0815
North Manchester IN.	7.0				9.45	1/05	1215
North Manchester IN.	7.0				12.94	1/13	2045
Adamsboro IN.	10.0				8.07	1/04	2000
Adamsboro IN.	10.0				8.21	1/05	2000
Adamsboro IN.	10.0				10.89	1/14	0900
Embarras River.....							
Carmargo 2 SW IL.	12.0				14.46	1/14	0345
Ste Marie IL.	19.0				24.92	1/06	1830
Ste Marie IL.	19.0				20.31	1/14	0530
Ste Marie IL.	19.0				20.18	1/15	1530
Lawrenceville IL.	29.0				40.49	1/08	2041
Lawrenceville IL.	29.0				37.72	1/15	1151
Fall Creek.....							
Fortville 2 NW IN.	8.0				8.18	1/04	2100
Fortville 2 NW IN.	8.0				9.26	1/06	1300
Fortville 2 NW IN.	8.0				8.09	1/12	2200
Fortville 2 NW IN.	8.0				7.94	1/14	1300
Millersville IN.	9.0				11.16	1/04	1145
Millersville IN.	9.0				13.71	1/06	1300
Millersville IN.	9.0				11.53	1/13	2300
Flatrock River.....							
St. Paul IN.	6.0				4.72	12/31	2015
St. Paul IN.	6.0				6.84	1/03	2300
St. Paul IN.	6.0				12.87	1/06	1300

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STREAM AND LOCATION	FLOOD STAGE	ABOVE FLOOD FROM	FLOOD TIME	STAGE TO	CREST STAGE	CREST DATE	CREST TIME
Flatrock River continued.....							
Columbus IN.					10.59	1/01	1015
Columbus IN.					13.26	1/04	1330
Columbus IN.					16.44	1/07	0430
Columbus IN.					10.17	1/12	2130
Columbus IN.					12.26	1/14	1545
Indian-Kentuck Creek.....							
Canaan 2 NE IN.					6.36	12/31	0145
Canaan 2 NE IN.					7.84	1/03	1115
Canaan 2 NE IN.					7.11	1/03	1500
Canaan 2 NE IN.					8.16	1/05	1100
Canaan 2 NE IN.					7.70	1/06	0030
Canaan 2 NE IN.					6.40	1/13	2030
Kokomo Creek.....							
Kokomo 2 SE IN.					7.32	1/06	0200
Kokomo 2 SE IN.					9.26	1/12	0600
Kokomo 2 SE IN.					7.87	1/13	2100
Leary-Weber Ditch.....							
Mohawk IN.					6.29	1/05	1845
Lick Creek.....							
Beech Grove IN.	7.0				6.25	1/05	1545
Beech Grove IN.	7.0				5.08	1/13	1230
Little Buck Creek.....							
Indianapolis IN.					7.24	1/05	0730
Indianapolis IN.					8.07	1/05	1745
Indianapolis IN.					7.32	1/13	1345
Little Eagle Creek.....							
Speedway IN.					6.44	1/03	2115
Speedway IN.					6.46	1/05	1515
Little River.....							
Huntington 5 W IN.	15.0				13.43	1/04	0001
Huntington 5 W IN.	15.0				13.17	1/05	1000
Huntington 5 W IN.	15.0				17.44	1/14	0300
Middle Fork Anderson River.....							
Bristow IN.	15.0				12.06	1/01	1200
Bristow IN.	15.0				13.73	1/03	1000
Bristow IN.	15.0				13.95	1/06	0500
Middle Fork Vermilion River.....							
Oakwood 2 NE IL.					12.23	1/14	0845
Mill Creek.....							
Cataract 3 E IN.	15.0				9.65	12/31	0100

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Mill Creek continued.....							
Cataract 3 E IN.	15.0				20.73	1/06	1900
Cataract 3 E IN.	15.0				10.26	1/10	0300
Cataract 3 E IN.	15.0				12.78	1/12	2100
Cataract 3 E IN.	15.0				15.51	1/14	1400
MANHATTAN 5 S IN.	12.0				11.58	1/04	0100
MANHATTAN 5 S IN.	12.0				13.75	1/05	2300
MANHATTAN 5 S IN.	12.0				10.91	1/12	2200
Mississinewa River.....							
Ridgeville 2 E IN.	11.0				13.65	1/04	0300
Ridgeville 2 E IN.	11.0				14.45?	1/06	0300
Ridgeville 2 E IN.	11.0				15.51	1/12	0700
Ridgeville 2 E IN.	11.0				15.43	1/12	1700
Ridgeville 2 E IN.	11.0				13.94	1/13	1700
Marion 2 N IN.	10.0				10.49	1/04	1100
Marion 2 N IN.	10.0				12.89	1/06	0900
Marion 2 N IN.	10.0				15.38	1/12	2100
Marion 2 N IN.	10.0				15.83	1/13	2000
Muscatatuck River.....							
Deputy 1WNW IN.	15.0				20.31	12/31	0330
Deputy 1WNW IN.	15.0				21.06	12/31	1445
Deputy 1WNW IN.	15.0				22.68	1/03	2315
Deputy 1WNW IN.	15.0				23.50	1/05	1800
Deputy 1WNW IN.	15.0				24.03	1/06	1000
Deputy 1WNW IN.	15.0				17.57	1/14	0645
Vernon 1SW 1 SW IN.	17.0				13.35	12/31	0930
Vernon 1SW 1 SW IN.	17.0				13.69	1/03	1730
Vernon 1SW 1 SW IN.	17.0				18.03	1/05	1500
Vernon 1SW 1 SW IN.	17.0				16.24	1/06	0630
Vernon 1SW 1 SW IN.	17.0				12.16	1/14	0100
Wheeler Hollow IN.	16.0				28.00*	1/08	1700?
North Fork Embarras River.....							
Oblong 2 W IL.					21.51	1/05	2130
North Fork Vermilion River.....							
Bismarck 2 W IL.					16.08	1/14	0330
Patoka River.....							
Cuzco IN.					8.20	1/03	1900
Cuzco IN.					8.67	1/06	0600
Jasper IN.	14.0				13.75	1/01	1300
Jasper IN.	14.0				15.32	1/06	1900
Jasper IN.	14.0				11.98	1/14	0700
Winslow IN.					20.03	12/31	1500
Winslow IN.					26.13	1/08	0800
Princeton 2 MI NE IN.	18.0				22.60	1/11	0001

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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				6.70	12/31	1700
Frankton PIPE CREEK IN.	12.0				10.53	1/04	0900
Frankton PIPE CREEK IN.	12.0				12.16	1/06	0630
Frankton PIPE CREEK IN.	12.0				14.26	1/12	1500
Frankton PIPE CREEK IN.	12.0				11.76	1/14	0300
Pleasant Run.....							
Arlington Ave in IND IN.					5.63	1/03	0600
Arlington Ave in IND IN.					6.47	1/05	0215
Arlington Ave in IND IN.					6.00	1/05	1145
Arlington Ave in IND IN.					6.44	1/05	1545
Arlington Ave in IND IN.					5.78	1/11	1330
Arlington Ave in IND IN.					6.31	1/13	0930
Plum Creek.....							
Bainbridge IN.					4.87	1/03	2000
Bainbridge IN.					3.59	1/05	1245
Prairie Creek.....							
Lebanon 5 NW IN.					10.06	1/03	2314
Lebanon 5 NW IN.					11.57	1/05	1959
Lebanon 5 NW IN.					11.75	1/11	2344
Lebanon 5 NW IN.					11.20	1/13	1714
Salamonie River.....							
Warren 2.4 NW IN.	12.0				12.15	1/04	1200
Warren 2.4 NW IN.	12.0				13.25	1/06	0300
Warren 2.4 NW IN.	12.0				15.16	1/12	2100
Warren 2.4 NW IN.	12.0				14.98	1/14	0500
Salt Creek.....							
Harrodsburg 2 SE IN.	25.0				13.48	12/31	1300
Harrodsburg 2 SE IN.	25.0				21.04	1/03	2300
Harrodsburg 2 SE IN.	25.0				26.10	1/06	0600
Harrodsburg 2 SE IN.	25.0				20.89\$	1/08	0800
Harrodsburg 2 SE IN.	25.0				22.40	1/10	0100
Harrodsburg 2 SE IN.	25.0				18.36\$	1/13	1100
Harrodsburg 2 SE IN.	25.0				20.48	1/13	2300
Salt Fork.....							
St. Joseph 2 N IL.					17.34	1/13	2215
Silver Creek.....							
Sellersburg 2.4 SE IN.	20.0				16.14	12/31	1700
Sellersburg 2.4 SE IN.	20.0				20.01	1/04	0800
Sellersburg 2.4 SE IN.	20.0				21.31	1/06	1900
South Fork Patoka River.....							
Spurgeon IN.	11.5				8.26	12/30	1945
Spurgeon IN.	11.5				9.42	1/03	1030

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South Fork Patoka River continued.....							
Spurgeon IN.	11.5				10.98	1/06	0230
Spurgeon IN.	11.5				7.15	1/13	1615
South Fork Wildcat Creek.....							
Lafayette 5 E IN.					7.95	1/04	0715
Lafayette 5 E IN.					10.53	1/06	0315
Lafayette 5 E IN.					13.75	1/12	1345
Lafayette 5 E IN.					13.26	1/13	0030
Lafayette 5 E IN.					12.46	1/13	1615
Stony Creek.....							
Noblesville 1SE IN.	6.0				6.48	1/04	0515
Noblesville 1SE IN.	6.0				7.49	1/05	2330
Noblesville 1SE IN.	6.0				6.69	1/12	0815
Noblesville 1SE IN.	6.0				6.62	1/13	2300
Sugar Creek.....							
Crawfordsville IN.	8.0				6.01	1/04	1000
Crawfordsville IN.	8.0	1/05	2030	1/06	8.78	1/06	1100
Crawfordsville IN.	8.0	1/12	0530		9.04	1/12	2300
Crawfordsville IN.	8.0			1/14	8.80	1/13	1400
Sugar Creek (South).....							
New Palestine IN.	8.0				10.80	1/06	0001
New Palestine IN.	8.0				7.89	1/12	1300
New Palestine IN.	8.0				9.68	1/13	2015
Edinburgh 2 NW IN.	10.0				16.95	1/06	1930
Edinburgh 2 NW IN.	10.0				13.66	1/14	2000
Tippecanoe River.....							
Ora 1 SW IN.	11.0				11.97	1/06	1800
Ora 1 SW IN.	11.0				15.00?	1/15	1000
Winamac IN.	10.0				9.54	1/07	0700
Winamac IN.	10.0				13.27	1/16	0900
Monticello IN.	9.0				17.81	1/13	1800
Delphi 6 W IN.	8.0				7.43	1/04	1100
Delphi 6 W IN.	8.0				7.91	1/05	2100
Delphi 6 W IN.	8.0				7.90	1/06	0600
Delphi 6 W IN.	8.0				10.49	1/13	0100
Delphi 6 W IN.	8.0				12.33	1/14	0100
Vermilion River.....							
Danville 2 SE IL.	18.0				18.05	1/06	1830
Danville 2 SE IL.	18.0				18.31	1/12	1745
Danville 2 SE IL.	18.0				22.74	1/14	1245
Wabash River.....							
Linn Grove IN.	11.0				12.73	1/06	2300
Linn Grove IN.	11.0				13.73	1/13	2000
Bluffton IN.	10.0				14.69	1/07	1000

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Wabash River continued.....							
Bluffton IN.	10.0				17.19	1/14	0400
Huntington IN.	20.0				15.96	1/20	1300
Wabash IN.	12.0				13.14	1/04	0100
Wabash IN.	12.0				16.34	1/12	1600
Wabash IN.	12.0				15.60	1/13	1900
Peru IN.	20.0				13.36	1/12	2200
Logansport IN.	17.0				10.40	1/04	0700
Logansport IN.	17.0				10.35	1/05	1900
Logansport IN.	17.0				12.42	1/12	2200
Logansport IN.	17.0				13.36	1/13	2000
Lafayette IN.	11.0	1/03	1230		19.87	1/06	1700
Lafayette IN.	11.0			2/02	25.03	1/14	1600
Covington IN.	16.0	1/04	0200		24.85	1/08	0001
Covington IN.	16.0			1/31	28.87	1/15	1000
Montezuma IN.	14.0	1/03	1630		26.74	1/07	1600
Montezuma IN.	14.0			2/04	30.89	1/15	1400
Clinton IN.	18.0				31.00	1/15	2300
Terre Haute IN.	14.0	1/04	0015		22.84	1/08	2300
Terre Haute IN.	14.0			2/01	27.38	1/16	1600
Hutsonville IL.	16.0	1/03	2200		29.40@	1/17	2300
Hutsonville IL.	16.0				27.80	1/19	0001
Riverton IN.	15.0	1/03	2100		23.09	1/11	1000
Riverton IN.	15.0				26.24@	1/18	0030
Riverton IN.	15.0				25.97	1/19	1400
Red Skelton Bridge IN.	17.5	1/05	0745		25.95	1/11	1000
Red Skelton Bridge IN.	17.5				28.96@	1/18	1400
Red Skelton Bridge IN.	17.5			2/01	28.81	1/20	0500
Vincennes IN.	16.0	1/05	1200		24.57	1/10	1700
Vincennes IN.	16.0				27.15@	1/18	1630
Vincennes IN.	16.0			2/01	27.00	1/20	0745
Mount Carmel IL.	19.0	1/05	0300	1/29	33.95#	1/13	0700
New Harmony IN.	15.0				23.14	1/13	1800
West Fork Blue River.....							
Salem IN.	12.0				9.22	1/03	1130
Salem IN.	12.0				7.51	1/05	0930
Salem IN.	12.0				7.62	1/06	0115
Whiskey Run.....							
Marengo IN.	8.0				4.79	1/06	0115
White Lick Creek.....							
Mooreville IN.	17.0				18.64	1/04	0300
Mooreville IN.	17.0				20.82	1/06	0001
Mooreville IN.	17.0				17.76	1/13	2000
White River.....							
Muncie IN.	9.0	1/04	0745	1/05	9.77	1/04	1845
Muncie IN.	9.0	1/04	1200	1/07	11.87	1/06	1715
Muncie IN.	9.0	1/12	0130		11.06	1/12	2315

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White River continued.....							
Muncie IN.	9.0			1/14	9.68	1/14	1430
Anderson Waterworks IN.	10.0	1/04	0300		12.32	1/04	2100
Anderson Waterworks IN.	10.0			1/08	16.15	1/07	0100
Anderson Waterworks IN.	10.0	1/12	0230	1/15	15.02	1/13	0001
Anderson Raible Ave. IN.	10.0				12.49	1/05	0200
Anderson Raible Ave. IN.	10.0				15.24	1/07	0001
Anderson Raible Ave. IN.	10.0				14.92	1/13	0001
Noblesville IN.	14.0	1/04	0545	1/09	19.59	1/07	0645
Noblesville IN.	14.0	1/12	0145	1/16	21.00	1/13	2300
Nora IN.	11.0	1/04	0500	1/09	16.85	1/07	0900
Nora IN.	11.0	1/12	0430	1/16	18.45	1/14	1300
Ravenswood IN.	6.0	1/04	2300	1/09	10.60	1/07	0800
Ravenswood IN.	6.0	1/12	1600	1/17	11.80	1/14	1449
Broad Ripple Dam IN.	6.0				8.47	1/07	0200
Broad Ripple Dam IN.	6.0				9.44	1/14	1300
Rocky Ripple IN.	7.0				12.60	1/07	0820
Rocky Ripple IN.	7.0				14.30	1/14	1000
Indpls Raymond St. IN.	16.0				13.45	1/04	1530
Indpls Raymond St. IN.	16.0	1/05	1145	1/08	18.53	1/06	0015
Indpls Raymond St. IN.	16.0	1/13	0945	1/15	18.43	1/14	0845
Stout Power Plant IN.	10.0				9.75	1/04	1500
Stout Power Plant IN.	10.0				13.83	1/06	0001
Stout Power Plant IN.	10.0				13.19	1/14	0600
Centerton 1S IN.	12.0	1/03	1500		15.00	1/04	1400
Centerton 1S IN.	12.0			1/10	19.13	1/06	1000
Centerton 1S IN.	12.0	1/11	2130	1/17	17.32	1/14	0600
Centerton IN.	603.0	1/03	1800	1/10	611.70	1/06	1200
Centerton IN.	603.0	1/11	2200	1/17	609.30	1/14	1000
Spencer IN.	14.0	1/03	1630		25.08	1/07	0700
Spencer IN.	14.0			1/19	22.84	1/15	1400
Worthington IN.	18.0				28.60	1/08	0900
Worthington IN.	18.0				26.11	1/16	0700
Elliston IN.	18.0	1/03	1500		30.73	1/08	0800
Elliston IN.	18.0			1/21	27.42	1/16	0700
Newberry IN.	13.0	1/03	1430		26.84	1/08	1900
Newberry IN.	13.0			1/21	23.44	1/16	2000
Edwardsport IN.	15.0				11.50	1/02	0700
Edwardsport IN.	15.0	1/04	0100		27.65#	1/09	1700
Edwardsport IN.	15.0			1/23	24.50	1/18	0700
Petersburg Power Plt 3 NE	16.0				29.30	1/10	2345
Petersburg Power Plt 3 NE	16.0				25.73	1/18	1515
Petersburg IN.	16.0	1/03	1300		27.68	1/11	1200
Petersburg IN.	16.0			1/25	25.30	1/18	1700
Hazleton IN.	16.0	1/03	1900	1/26	31.50	1/12	0400
Whitewater River.....							
Economy 2 NW IN.					7.54	1/03	2015
Economy 2 NW IN.					7.81	1/05	1630
Economy 2 NW IN.					7.70	1/11	2230
Alpine 2 NE IN.	14.0				15.06	1/01	0001

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Whitewater River continued.....							
Alpine 2 NE IN.	14.0				16.86	1/04	0700
Alpine 2 NE IN.	14.0				16.84	1/04	1700
Alpine 2 NE IN.	14.0				20.94	1/06	0800
Alpine 2 NE IN.	14.0				17.56	1/12	1900
Alpine 2 NE IN.	14.0				15.85	1/14	0900
Brookville IN.	20.0				11.84	1/03	1700
Brookville IN.	20.0				19.34	1/06	1300
Brookville IN.	20.0				10.44	1/12	0200
Brookville IN.	20.0				11.25	1/13	0300
Brookville IN.	20.0				10.85	1/14	0100
Wildcat Creek.....							
Jerome 1 SE IN.					10.50	1/04	0945
Jerome 1 SE IN.					12.00?	1/06	0300
Jerome 1 SE IN.					13.63	1/12	1330
Jerome 1 SE IN.					11.77	1/14	0245
Kokomo IN.	10.0				12.51	1/06	1045
Kokomo IN.	10.0				15.82	1/13	0100
Kokomo IN.	10.0				15.82	1/13	0745
Owasco IN.					10.00?	1/08	0800
Owasco IN.					12.71	1/14	1145
Lafayette 4 NE IN.	10.0				10.90	1/04	1400
Lafayette 4 NE IN.	10.0				15.85	1/06	0900
Lafayette 4 NE IN.	10.0				18.40	1/12	1900
Lafayette 4 NE IN.	10.0				20.18	1/13	2200
Lafayette 4 NE IN.	10.0				20.27	1/14	0100
Youngs Creek.....							
Amity IN.	7.0				8.45	1/04	0515
Amity IN.	7.0				11.38	1/06	0515
Amity IN.	7.0				9.26	1/14	0700

New Record Crest Height.

@ Crest Height Affected by Island Creek Levee Failure.

? Estimate.

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

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