

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:
MONTH YEAR
January 2011

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE
John Gordon, MIC
Mike Callahan, Hydrologist

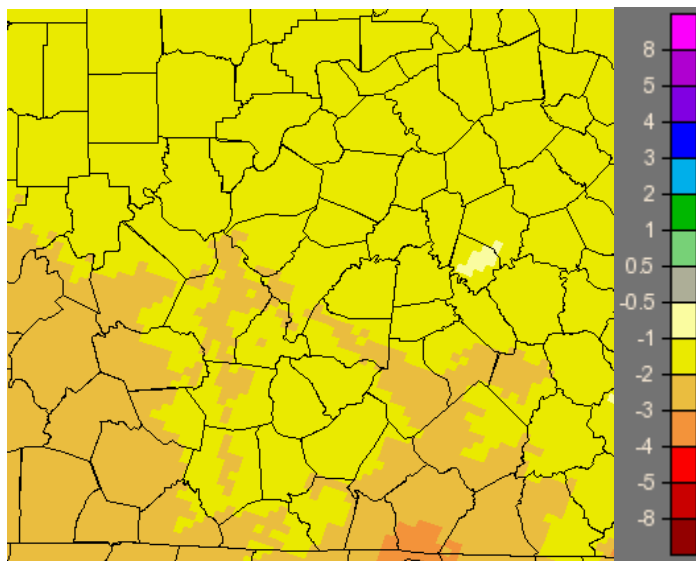
DATE
February 15, 2011

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

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

The hydrologic service area (HSA) for this office covers Central Kentucky and South Central Indiana.

January 2011 was drier than normal in all locations in the area. Most of the area was between 1 to 3 inches below normal. The driest locations were in Cumberland County. Even though the month was dry, more snow fell than normal. Here are specific values for major airports: Louisville 1.48 inches, 1.80 inches below normal; Lexington 2.04 inches, 1.30 inches below normal; Bowling Green 1.64 inches, 2.51 inches below normal; Frankfort 1.50 inches, 1.65 inches below normal.



January 2011 Precipitation Departure from Normal

A large percentage of rain fell on the first day of the month when up to a half inch was recorded. There was a period of light snow from the 7th through the 12th which dropped between one to three inches of snow containing a tenth or two of liquid. Another series of storms moved through the 17th through the 20th when 2 to 4 inches fell with around a half inch of liquid. Finally rain and snow fell from the 24th through the 26th adding another two inches of snow and around a half inch of liquid.

At the end of the month, streamflows were slightly below normal. Reservoir levels were near normal. Most of the area was in a mild drought except for the southeast which was not in a drought.

No problems were reported with municipal supplies or navigation.

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

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February 2011

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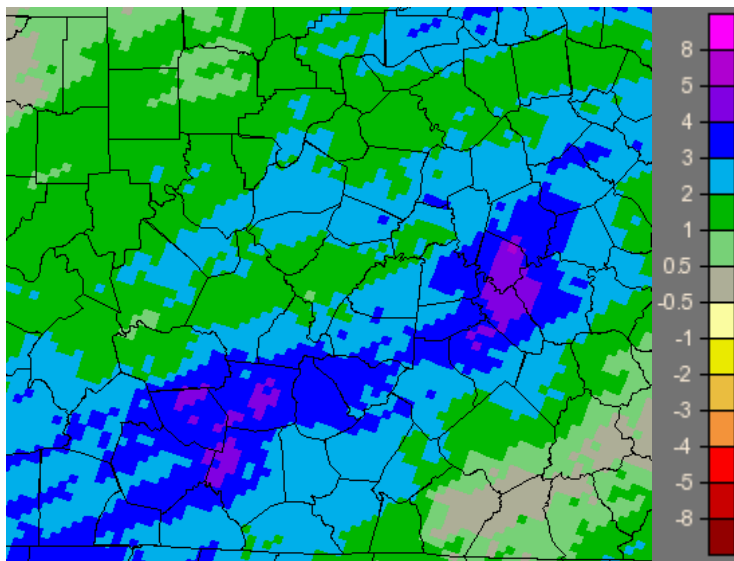
DATE
March 11, 2011

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

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

The hydrologic service area (HSA) for this office covers Central Kentucky and South Central Indiana.

February 2011 was wetter than normal in all locations in the area. Most of the area was between 1 to 3 inches above normal but there was a band through Central Kentucky that was 3 to 5 inches above. The wettest spot was in Jessamine County. Here are specific values for major airports: Louisville 5.69 inches, 2.44 inches above normal; Lexington 6.22 inches, 2.95 inches above normal; Bowling Green 6.49 inches, 2.34 inches above normal; Frankfort 5.85 inches, 2.77 inches above normal.



February 2011 Precipitation Departure from Normal

The first day of the month saw a storm system deliver an inch of rain across the area. Some light snow moved over the region from the 7th through the 9th, dropping up to 4 inches of snow which contained a half inch of liquid. The remainder of the month was dry until the final week. Two strong storms dumped two to three inches on the 24th and 25th, and an additional one to two inches on the 27th and 28th. This rain resulted in minor flooding on Muscatutuck in Indiana, the Licking, Salt, and Green basins in Kentucky, and the middle Ohio River.

At the end of the month, streamflows were above normal and parts of the Green and Ohio Rivers were flooding. Reservoir levels were high, most running 10 to 20 feet above normal. No areas remained in a drought, obviously.

NWS FORM E-3 U.S. DEPARTMENT OF COMMERCE NOAA, NATIONAL WEATHER SERVICE FLOOD STAGE REPORT	HYDROLOGIC SERVICE AREA: Louisville KY	
	MONTH: February	YEAR: 2011

RIVER AND STATION	FLOOD STAGE (FEET)	ABOVE FLOOD STAGE (UTC)		PRELIMINARY CREST (UTC)		
		FROM	TO	STAGE (FEET)	DATE	TIME (UTC)

Muscatatuck River Deputy IN	20	02/25/11 0935	02/26/11 0215	22.84	02/25/11	1630
Stoner Creek Paris	18	02/25/11 1225	02/26/11 0915	19.0	02/25/11	2320
Rolling Fork River Boston	35	02/26/11 0440	02/28/11 1100	39.62	02/27/11	1300
Drakes Creek Alvaton	22	02/25/11 1150	02/26/11 0700	24.95	02/25/11	2230
Rough River Dundee	25	02/25/11 1435	02/27/11 0520	26.34	02/26/11	1100
Green River Munfordville	28	02/26/11 0315	02/26/11 2230	29.12	02/26/11	1300
Brownsville	18	02/26/11 0705	02/28/11 0030	20.58	02/27/11	0600
Woodbury	33	02/26/11 0000	SA	38.3	02/27/11	1100
Rochester	17	02/26/11 1200E	SA	SR		
Ohio River Tell City IN	38	02/28/11 1815	SA	SR		

E - estimated
 SA - still above
 SR - still rising

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:
MONTH YEAR
March 2011

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE
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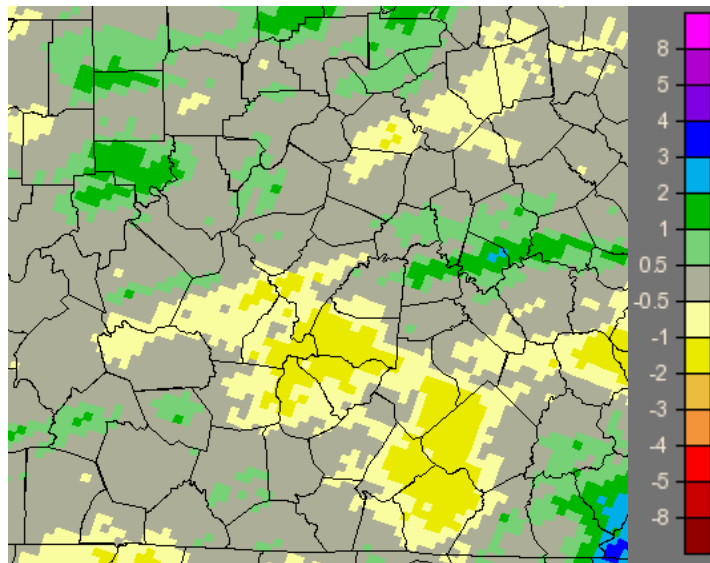
DATE
April 8, 2011

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

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

The hydrologic service area (HSA) for this office covers Central Kentucky and South Central Indiana.

March 2011 was wetter than normal during the first half of the month, but drier than normal in the second half, with the result ending up near normal in most locations. There was an area in Central Kentucky that was 1 to 2 inches below with the driest areas in Marion County. Here are specific values for major airports: Louisville 5.17 inches, 0.76 inches above normal; Lexington 4.69 inches, 0.28 inches above normal; Bowling Green 4.69 inches, 0.28 inches below normal; Frankfort 4.40 inches, 0.36 inches above normal.



March 2011 Precipitation Departure from Normal

Almost all the rain for the month fell from the 4th through the 10th when most locations collected between 3 and 4 inches. This rain on top of high flows from February led to widespread minor flooding across the HSA except for the Kentucky and Licking rivers and streams in Southern Indiana. The Rolling Fork River at Boston exceeded flood stage twice during the month. No injuries due to flooding were reported. However, the Ohio River flooded which resulted in some prolonged evacuations of property along the river. This was the worst flooding on the river since 2008. The only other significant rain during the month fell on the 14th and 15th where most locations collected up to an inch. There was no significant snow.

At the end of the month, all flooding had ended but streamflows remained above normal. Reservoir levels were slightly high, most running around 5 feet above normal.

NWS FORM E-3 U.S. DEPARTMENT OF COMMERCE NOAA, NATIONAL WEATHER SERVICE FLOOD STAGE REPORT	HYDROLOGIC SERVICE AREA: Louisville KY	
	MONTH: March	YEAR: 2011

RIVER AND STATION	FLOOD STAGE (FEET)	ABOVE FLOOD STAGE (UTC)		PRELIMINARY CREST (UTC)		
		FROM	TO	STAGE (FEET)	DATE	TIME (UTC)
Stoner Creek Paris	18	03/01/11 0600	03/01/11 1700	18.8	03/01/11	1200
Rolling Fork River Boston	35	03/01/11 1450	03/03/11 1515	38.05	03/02/11	1930
		03/10/11 1610	03/12/11 0220	36.17	03/11/11	0845
Drakes Creek Alvaton	22	03/01/11 0435	03/01/11 2000	25.45	03/01/11	1145
Rough River Dundee	25	03/09/11 2015	03/11/11 1350	26.40	03/10/11	1745
Green River Brownsville	18	03/02/11 0800	03/03/11 0130	18.49	03/02/11	1730
Woodbury	33	02/26/11 0000	03/04/11 1655	38.3	02/27/11	1100
		03/10/11 0600	03/12/11 0300	34.2	03/11/11	1100
Rochester	17	02/26/11 1200E	03/14/11 1000E	20.4E	03/03/11	2100
Ohio River Clifty Creek	451	03/12/11 1515	03/14/11 1800	451.6	03/13/11	1200
McAlpine Upper	23	03/10/11 0110	03/18/11 0305	26.63	03/12/11	1130
McAlpine Lower	55	03/10/11 0750	03/17/11 1815	57.83	03/12/11	1545
Cannelton Lower	42	03/07/11 0845	03/19/11 2255	45.32	03/15/11	1115
Tell City IN	38	02/28/11 1815	03/21/11 1750	44.4	03/15/11	1100

E - estimated

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

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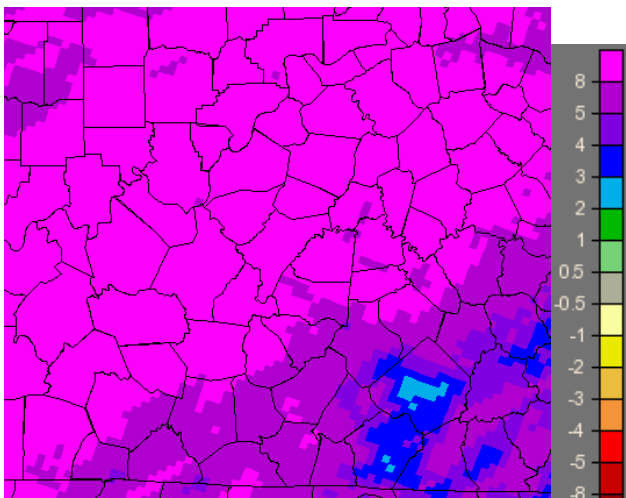
DATE
May 12, 2011

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

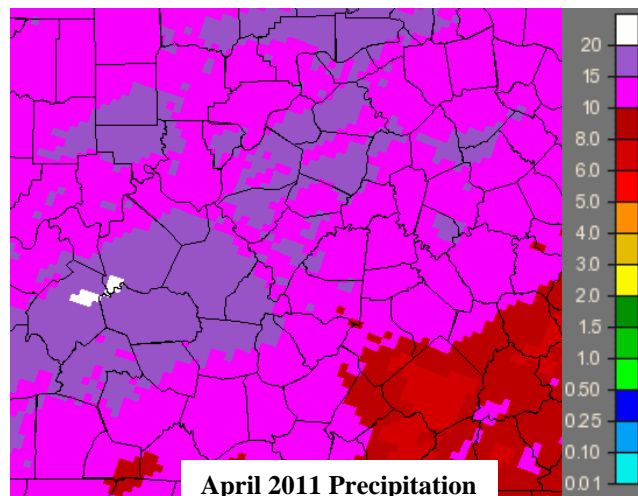
An X inside this box indicates that no flooding occurred within this hydrologic service area.

The hydrologic service area (HSA) for this office covers Central Kentucky and South Central Indiana.

April 2011 was much wetter than normal across the entire area, and **was the wettest April on record in Southern Indiana and Northern Kentucky with over a foot of rain recorded.** The wettest spots were in Ohio County and were estimated to have over 20 inches. Here are specific values for major airports: Louisville 13.97 inches, 10.06 inches above normal; Lexington 12.70 inches, 9.03 inches above normal; Bowling Green 10.35 inches, 6.36 inches above normal; Frankfort 13.95 inches, 10.28 inches above normal. **This was the wettest April for Louisville, Lexington, and Frankfort, the second wettest for Bowling Green.**



April 2011 Precipitation Departure from Normal



April 2011 Precipitation

on the 11th and 12th where between 3 and 5 inches fell. Since streams were already high, this resulted in minor flooding in the Muscatatuck, Licking, Salt, Green basins and the Ohio River. Another stationary front set up on the 22nd and a series of storms dumped another 4 to 8 inches over the northern section of the HSA over the next 5 days, with intense flash flooding occurring the night of the 26th and 27th. Since streams were still high and in some cases in flood from the last rain, this triggered up to moderate flooding in all basins except the Kentucky where rain amounts were lighter. Fortunately, no fatalities from flooding were reported. As bad as conditions were in this HSA, flooding was much worst to the west.

Many evacuations of homes were required and flooding of major highways made accessibility difficult in many spots. Businesses were forced to close which resulted in a significant loss of income. The Ohio River rose to its highest level since 1997. This also occurred during the week of the Kentucky Derby, and the impact was much greater than normal, even though levels were much lower than the 1997 flood.

Navigation on the Ohio became difficult as currents became so swift that barge traffic at night was restricted.

On most of the tributaries, this flooding was not so extreme and was exceeded in either 2009 or 2010. Fields were flooded so some crops were late getting planted or will need to be replanted. At the time of this report, no damage estimates were available.

At the end of the month, flooding had lessened but flooding was still occurring in the Salt and Green basins and the Ohio River. Streamflows, of course, were much above normal. Reservoir levels were much higher than normal and a few were at all time record levels and still rising.

NWS FORM E-3 U.S. DEPARTMENT OF COMMERCE NOAA, NATIONAL WEATHER SERVICE FLOOD STAGE REPORT	HYDROLOGIC SERVICE AREA: Louisville KY	
	MONTH: April	YEAR: 2011

RIVER AND STATION	FLOOD STAGE (FEET)	ABOVE FLOOD STAGE (UTC)		PRELIMINARY CREST (UTC)		
		FROM	TO	STAGE (FEET)	DATE	TIME (UTC)

Muscatatuck River Deputy IN	20	04/12/11 0650	04/12/11 2355	22.64	04/12/11	1515
		04/19/11 1600	04/21/11 0345	25.74	04/19/11	2345
		04/23/11 2000	04/24/11 2140	24.94	04/24/11	0400
Blue River Fredericksburg	20	04/24/11 0045	04/25/11 0120	22.51	04/24/11	1015
Stoner Creek Paris	18	04/12/11 1100	04/14/11 0315	24.4	04/13/11	0205
		04/23/11 2040	04/24/11 1410	19.6	04/24/11	0450
South Fork Licking River Cynthiana	20	04/12/11 1930	04/14/11 0710	21.98	04/13/11	1530
Licking River Blue Licks Spring	25	04/13/11 0430	04/15/11 1410	35.62	04/14/11	0430
		04/23/11 2110	04/26/11 1350	32.12	04/24/11	1045
		04/29/11 0300	04/30/11 1235	26.18	04/30/11	0030
Rolling Fork River Boston	35	04/12/11 1910	04/18/11 0115	44.16	04/14/11	1900
		04/24/11 0555	SA	43.20	04/26/11	1815
Salt River Shepherdsville	32	04/25/11 1715	04/29/11 0240	33.10	04/28/11	1500
Drakes Creek Alvaton	22	04/12/11 2115	04/13/11 0845	23.72	04/13/11	0245
		04/27/11 2325	04/29/11 0025	25.76	04/28/11	1400
Rough River Dundee	25	04/12/11 1155	04/15/11 0120	27.53	04/13/11	1600
		04/24/11 0145	SA	SR		

Green River						
Munfordville	28	04/12/11 2145	04/14/11 2155	34.57	04/13/11	2300
Brownsville	18	04/12/11 1750	04/16/11 0035	24.83	04/14/11	1615
		04/28/11 1230	04/30/11 1230	20.26	04/29/11	1600
Woodbury	33	04/12/11 1600	04/18/11 1200	39.8	04/15/11	1000
		04/26/11 0600	SA	SR		
Rochester	17	04/13/11 0000	04/20/11 1400	21.4	04/15/11	1100E
		04/25/11 0600	SA	SR		
Ohio River						
Clifty Creek	451	04/24/11 1800	04/29/11 1410	452.5	04/26/11	1100
McAlpine Upper	23	04/14/11 0800	04/15/11 2200	23.63	04/15/11	1045
		04/23/11 0120	SA	31.13	04/27/11	2215
McAlpine Lower	55	04/23/11 1845	SA	62.88	04/27/11	2045
Cannelton Lower	42	04/14/11 0920	04/19/11 0250	43.41	04/16/11	0845
		04/20/11 2215	SA	49.3	04/28/11	0700
Tell City IN	38	04/13/11 0000	SA	48.0	04/28/11	1100

E – estimated

SA – still above

SR – still rising

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:
MONTH YEAR
May 2011

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE
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Mike Callahan, Hydrologist

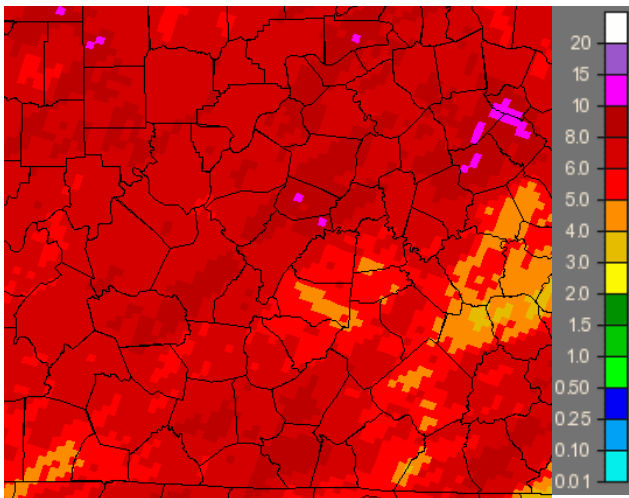
DATE
June 8, 2011

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

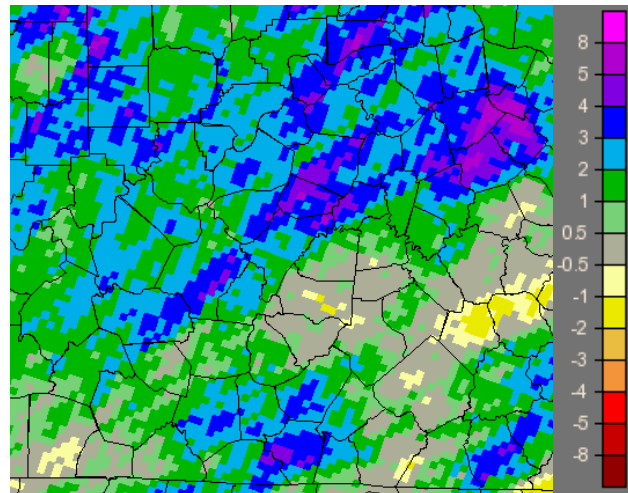
An X inside this box indicates that no flooding occurred within this hydrologic service area.

The hydrologic service area (HSA) for this office covers Central Kentucky and South Central Indiana.

May 2011 was wetter than normal across the entire area but large percentage of the rain fell in the first three days. The rest of the month was more normal. The wettest spots were in Nicholas County where over 10 inches fell. Here are specific values for major airports: Louisville 7.81 inches, 2.93 inches above normal; Lexington 6.45 inches, 1.67 inches above normal; Bowling Green 6.58 inches, 1.22 inches above normal; Frankfort 8.98 inches, 4.37 inches above normal. This was the fourth wettest May for Frankfort.



May 2011 Precipitation



May 2011 Departure From Normal

The stalled frontal system which had dumped a record amount of rain in April continued through the first three days in May. Most locations picked up between 3 and 5 inches with the heaviest amount in the northeast. This rain either triggered a new round of flooding, or made existing floods worse.

The rain filled up three reservoirs in the region; Rough River Lake, Taylorsville Lake, and Patoka Lake. All three had water moving through the spillway, which was the first time it occurred at all three. However, the extra water moving downstream was small, so the effect was minimal. These releases did prolong downstream flooding into the middle of the month.

After this last shot of rain, the weather calmed down allowing rivers and streams to drop. The damage from the flooding in April and May was extensive but conditions were much worst to the west.

The rest of the month was quiet with the only other significant rain falling from the 23rd through the 26th when most locations saw between one and two inches.

At the end of the month, all flooding had ended but streamflows were still above normal. Reservoir levels were still much higher than normal and many marinas were not yet open due to high water. Navigation had returned to normal.

NWS FORM E-3 U.S. DEPARTMENT OF COMMERCE NOAA, NATIONAL WEATHER SERVICE FLOOD STAGE REPORT	HYDROLOGIC SERVICE AREA: Louisville KY					
	MONTH: May			YEAR: 2011		
RIVER AND STATION	FLOOD STAGE (FEET)	ABOVE FLOOD STAGE (UTC)		PRELIMINARY CREST (UTC)		
		FROM	TO	STAGE (FEET)	DATE	TIME (UTC)

Muscatatuck River Deputy IN	20	05/02/11 1210	05/04/11 0250	24.57	05/02/11	1915
Blue River Fredericksburg	20	05/02/11 1615	05/04/11 0030	23.09	05/02/11	2315
Stoner Creek Paris	18	05/03/11 1700	05/04/11 1335	19.4	05/04/11	0105
Licking River Blue Licks Spring	25	05/03/11 2310	05/04/11 0645	25.36	05/04/11	0330
Rolling Fork River Boston	35	04/24/11 0555 05/03/11 0800	05/02/11 0510 05/07/11 1215	43.20 44.28	04/26/11 05/05/11	1815 1500
Drakes Creek Alvaton	22	05/03/11 2310	05/04/11 1835	25.88	05/04/11	0815
Rough River Dundee	25	04/24/11 0145	05/21/11 0905	29.10	05/04/11	0145
Green River Munfordville	28	05/04/11 1020	05/05/11 0740	29.57	05/04/11	2145
Brownsville	18	05/03/11 1930	05/06/11 1550	22.10	05/05/11	0600
Woodbury	33	04/26/11 0600	05/10/11 1720	42.1	05/05/11	1000
Rochester	17	04/25/11 0600	05/08/11 0825	25.85	05/06/11	1100
Ohio River McAlpine Upper	23	04/23/11 1350	05/05/11 1815	31.13	04/27/11	2215
McAlpine Lower	55	04/23/11 1850	05/05/11 1750	62.88	04/27/11	2045
Cannelton Lower	42	04/20/11 2215	05/07/11 2250	49.3	04/28/11	0700
Tell City IN	38	04/13/11 0000	05/09/11 0615	48.0	04/28/11	1100

E – estimated
 SA – still above
 SR – still rising

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:
MONTH YEAR
June 2011

TO: Hydrologic Information Center, W/OS31
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Silver Spring, MD 20910-3283

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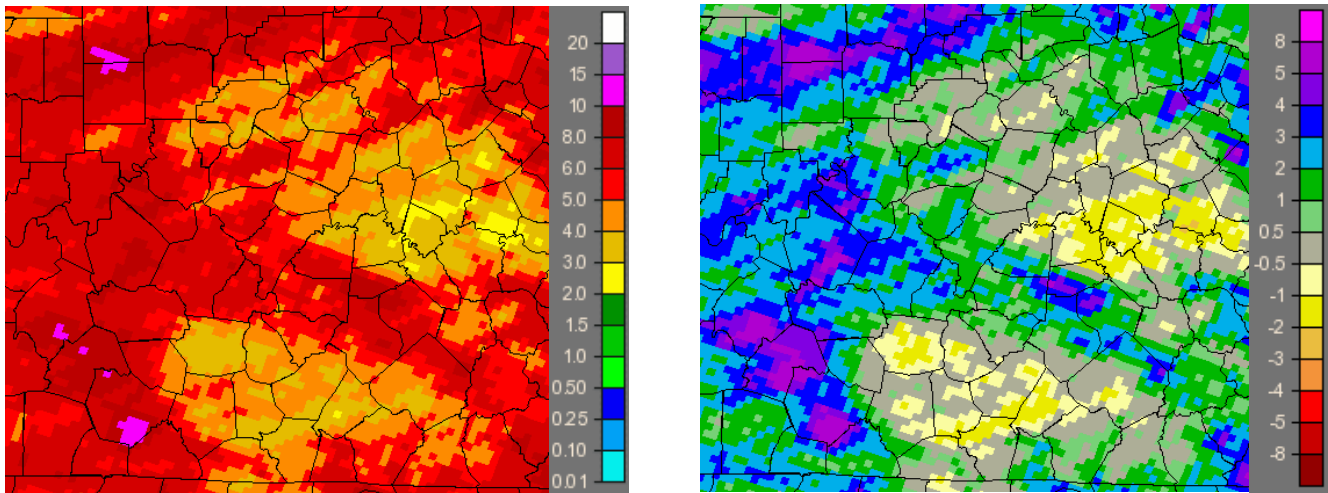
DATE
July 11, 2011

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

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The hydrologic service area (HSA) for this office covers Central Kentucky and South Central Indiana.

June 2011 rainfall patterns varied greatly across the entire area running from more than two inches below normal to more than five inches above. The wettest spots were in Warren County. Here are specific values for major airports: Louisville 7.14 inches, 3.38 inches above normal; Lexington 3.20 inches, 1.38 inches below normal; Bowling Green 8.71 inches, 4.42 inches above normal; Frankfort 3.69 inches, 0.71 inches below normal.



June 2011 Pr June 2011 Departure from Normal

The first shot of rain came on the 5th where the south picked up around an inch. Most of the rain during the month fell from the 15th through the 23rd when a series of storm systems crossed the region. Amounts ranged from a little more than two inches in the east to over 6 inches in the north. The final shot of rain fell from the 26th through the 28th. The south picked up another 3 inches while locations in the north saw less than an inch. However, in the headwaters of the Muscatatuck, a quick four inches on the morning of the 26th resulted in minor flooding for about 18 hours. No injuries or damages were reported.

At the end of the month, streamflows were near normal. Reservoir levels were still higher than normal at Barren and Rough River Lakes. No problems were reported with navigation or water supplies.

NWS FORM E-3 U.S. DEPARTMENT OF COMMERCE NOAA, NATIONAL WEATHER SERVICE FLOOD STAGE REPORT	HYDROLOGIC SERVICE AREA: Louisville KY	
	MONTH: June	YEAR: 2011

RIVER AND STATION	FLOOD STAGE (FEET)	ABOVE FLOOD STAGE (UTC)		PRELIMINARY CREST (UTC)		
		FROM	TO	STAGE (FEET)	DATE	TIME (UTC)

Muscatatuck River Deputy IN	20	06/26/11 1335	06/27/11 0620	25.28	06/26/11	2000
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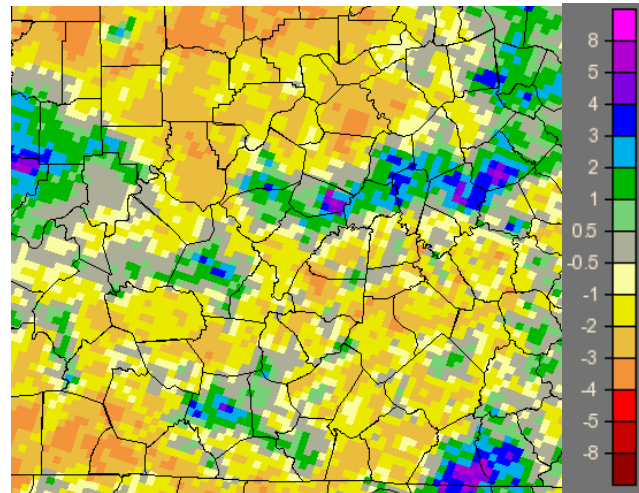
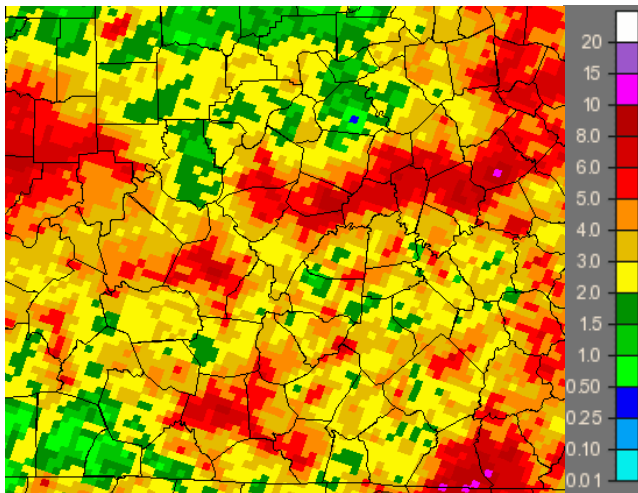
DATE
August 4, 2011

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

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The hydrologic service area (HSA) for this office covers Central Kentucky and South Central Indiana.

July 2011 rainfall patterns varied greatly across the entire area running from more than three inches below normal to more than four inches above. The wettest spot was in Bourbon County. Here are specific values for major airports: Louisville 2.35 inches, 1.88 inches below normal; Lexington 4.92 inches, 0.27 inches above normal; Bowling Green 2.50 inches, 1.61 inches below normal; Frankfort 3.96 inches, 0.43 inches below normal.



July 2011 Preci July 2011 Departure from Normal

Most of the rain fell from the 5th through the 8th with a majority of the locations collecting between one and three inches. Heavy rain in the headwaters of Stoner Creek did cause a near bankfull rise at Paris on the 8th. Outside of this period, rainfall came in scattered showers and thunderstorms and patterns were difficult to discern. Rainfall became less frequent during the latter part of the month.

At the end of the month, streamflows and reservoir levels were near normal. No problems were reported with navigation or water supplies. The intense heat along with the dry final week caused scattered problems with crops. No areas were in a drought, yet.

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:
MONTH YEAR
August 2011

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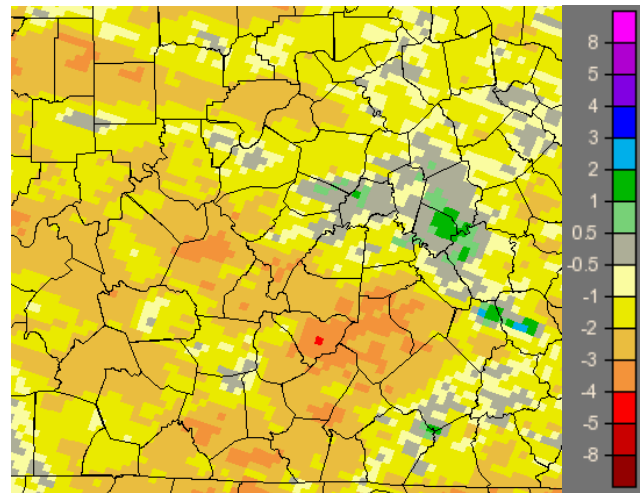
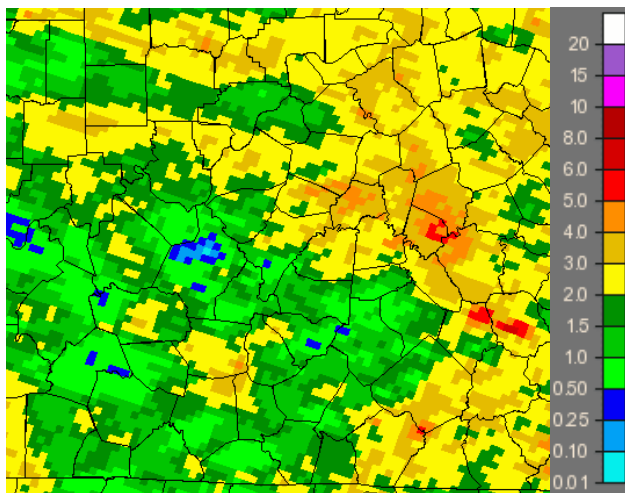
DATE
September 6, 2011

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

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

The hydrologic service area (HSA) for this office covers Central Kentucky and South Central Indiana.

August 2011 rainfall was generally 2 to 4 inches below normal at most locations in the HSA. However, a small area in the Bluegrass saw rain totals that were one to two inches above normal. The driest spot was in Hardin County. Here are specific values for major airports: Louisville 3.46 inches, 0.13 inches above normal; Lexington 3.64 inches, 0.39 inches above normal; Bowling Green 1.02 inches, 2.30 inches below normal; Frankfort 3.18 inches, 0.18 inches below normal.



August 2011 | August 2011 Departure from Normal

Most of the rain fell from the 7th through the 10th where one to two inches of rain fell over the north. Little rain was recorded anywhere in the HSA after the 22nd. Outside of this period, rainfall came in scattered showers and thunderstorms and patterns were difficult to discern. Some spots in Hardin County received very little rain during the entire month.

At the end of the month, streamflows were slightly below normal in the south and reservoir levels were near normal. Some low flows on the Ohio River was causing minor problems with navigation and some light dredging was occurring. No problems were reported with water supplies. The intense heat along with the dry conditions caused scattered problems with crops. Parts of Central Kentucky and Southern Indiana were in a moderate drought. A small portion of Southeast Kentucky was in a severe drought.

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:
MONTH YEAR
September 2011

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE
John Gordon, MIC
Mike Callahan, Hydrologist

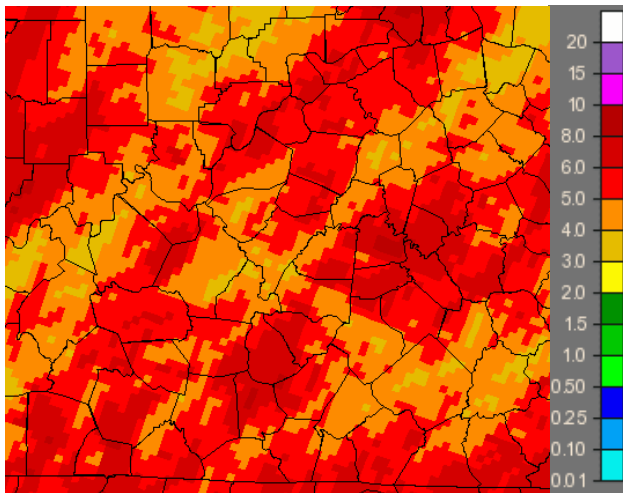
DATE
October 11, 2011

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

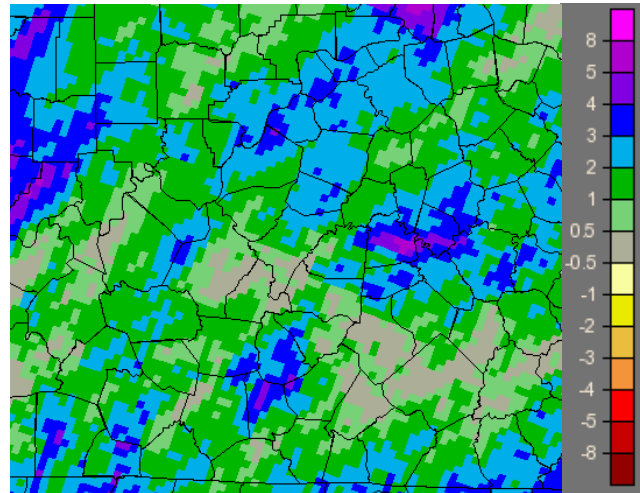
An X inside this box indicates that no flooding occurred within this hydrologic service area.

The hydrologic service area (HSA) for this office covers Central Kentucky and South Central Indiana.

September 2011 rainfall was generally 1 to 3 inches above normal at most locations in the HSA. However, some areas in central Kentucky were within an inch of normal. The wettest spot was in Mercer County. Here are specific values for major airports: Louisville 5.73 inches, 2.68 inches above normal, 9th wettest September; Lexington 5.97 inches, 3.06 inches above normal, 7th wettest; Bowling Green 6.66 inches, 2.73 inches above normal; Frankfort 5.05 inches, 1.72 inches above normal.



September 2011



September 2011 Departure from Normal

The first shot of rain fell from the 3rd through the 7th, where locations in the south and east picked up between 3 and 4 inches. Areas in the north did not receive as much. The northern sections were saved by the rain which fell on the 23rd through the 26th when between 3 and 4 inches fell. One to two inches were observed in the south during the same time period. This rain did alleviate drought conditions across the area.

At the end of the month, streamflows were still slightly below normal in Indiana but near normal in Kentucky. Reservoirs were near normal. No problems were reported with water supplies. The intense heat broke after the 3rd which helped the crops. Only a small portion of southeastern Kentucky was in a moderate drought, the rest of the area was no longer in a drought.

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:
MONTH YEAR
October 2011

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE
John Gordon, MIC
Mike Callahan, Hydrologist

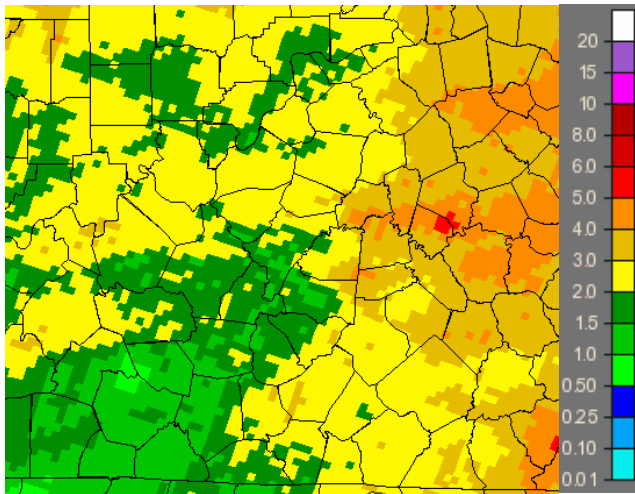
DATE
November 11, 2011

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

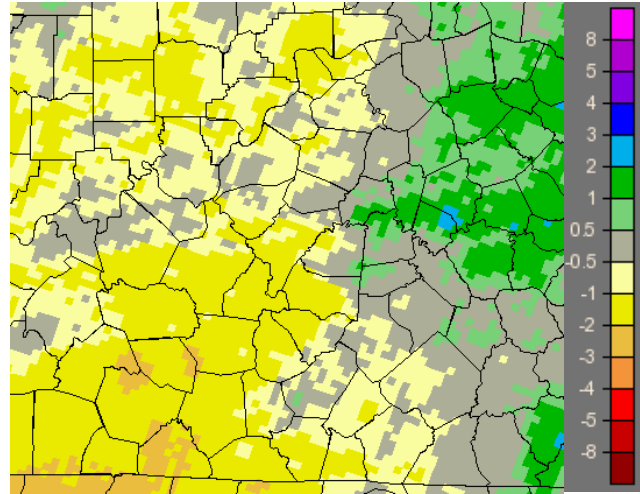
An X inside this box indicates that no flooding occurred within this hydrologic service area.

The hydrologic service area (HSA) for this office covers Central Kentucky and South Central Indiana.

October 2011 rainfall was generally 1 to 2 inches below normal in the west and central sections of the HSA, but 1 to 2 inches above normal in the east. The driest spot was in Warren County. Here are specific values for major airports: Louisville 2.39 inches, 0.83 inches below normal; Lexington 4.41 inches, 1.28 inches above normal; Bowling Green 1.61 inches, 1.78 inches below normal; Frankfort 3.17 inches, 0.07 inches below normal.



October 2011



October 2011 Departure from Normal

The first shot of rain fell from the 13th through the 14th, where most locations picked up about an inch, but amounts were lighter in the west. Eastern portions collected up to another two inches of rain from the 18th through the 20th. Finally, all areas added up an additional inch from the 26th through the 28th. This last shot of rain prevented the western counties from entering a new drought.

At the end of the month, streamflows were still below normal in the west but near normal in the east. Reservoirs were near normal, starting their winter drawdown. No problems were reported with water supplies or navigation. No areas were in a drought.

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:
MONTH YEAR
November 2011

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE
John Gordon, MIC
Mike Callahan, Hydrologist

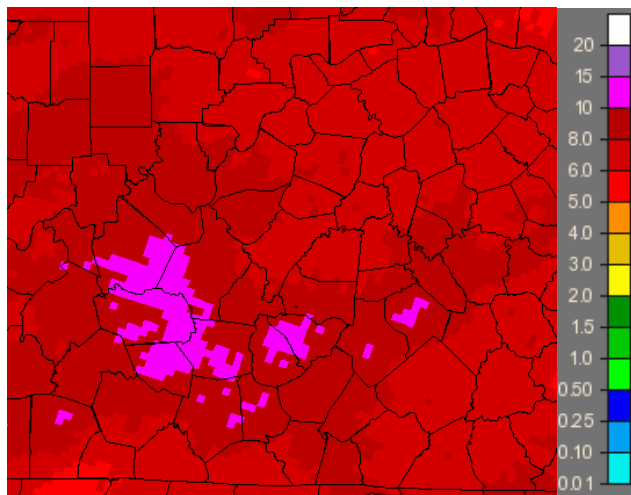
DATE
December 6, 2011

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

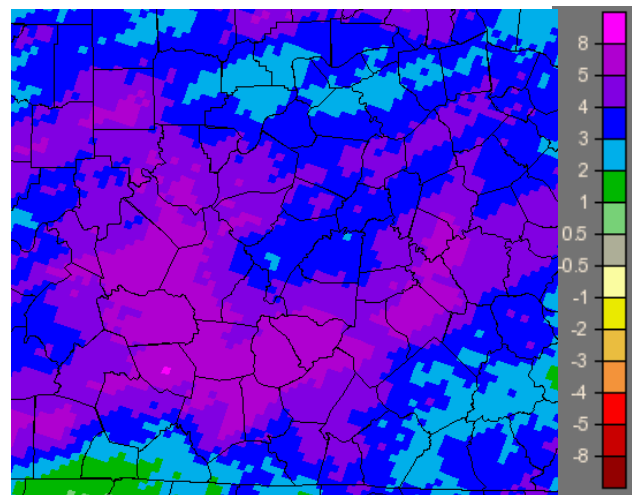
An X inside this box indicates that no flooding occurred within this hydrologic service area.

The hydrologic service area (HSA) for this office covers Central Kentucky and South Central Indiana.

November 2011 rainfall was generally 3 to 5 inches above normal with some locations in central Kentucky exceeding 7 inches above normal. It was one of the wettest Novembers on record. The wettest spot was in Edmonson County. Here are specific values for major airports: Louisville 7.62 inches, 4.03 inches above normal, 5th wettest November on record; Lexington 7.68 inches, 4.15 inches above normal, 2nd wettest; Bowling Green 8.07 inches, 3.86 inches above normal, 7th wettest; Frankfort 7.60 inches, 3.87 inches above normal, 4th wettest.



November 2011



November 2011 Departure from Normal

The northern half of the HSA collected about three quarters of an inch of rain on the 3rd. The first heavy period fell from the 14th through the 16th where most locations picked up between two and three inches. Amounts were lighter in the east. Another shot of rain fell from the 20th through the 22nd and most spots accumulated an additional one to two inches. This rain brought streams to bankfull. Finally, another slow moving system dumped two to three inches from the 27th through the 29th. This final event triggered minor flooding in parts of the Licking, Salt, and Green basins in Kentucky.

At the end of the month, streamflows were much above normal with a few locations at record levels for the date. Flooding was still occurring in parts of the Salt and Green River basins. Reservoirs in Kentucky were generally 10 to 20 feet above normal but in Indiana they were near normal. No problems were reported with water supplies or navigation.

NWS FORM E-3 U.S. DEPARTMENT OF COMMERCE NOAA, NATIONAL WEATHER SERVICE FLOOD STAGE REPORT	HYDROLOGIC SERVICE AREA: Louisville KY	
	MONTH: November	YEAR: 2011

RIVER AND STATION	FLOOD STAGE (FEET)	ABOVE FLOOD STAGE (UTC)		PRELIMINARY CREST (UTC)		
		FROM	TO	STAGE (FEET)	DATE	TIME (UTC)

Stoner Creek Paris	18	11/28/11 1740	11/29/11 1550	18.6	11/29/11	0115
Rolling Fork River Boston	35	11/29/11 1550	SA			SR
Rough River Dundee	25	11/29/11 0845	11/30/11 1805	25.84	11/29/11	2115
Green River Munfordville	28	11/29/11 1340	11/30/11 2340	30.66	11/30/11	0645
Brownsville	18	11/29/11 1940	SA			SR
Woodbury	33	11/29/11 1850	SA			SR
Rochester	17	11/29/11 2350	SA			SR

SA – still above
 SR – still rising

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:
MONTH YEAR
December 2011

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE
John Gordon, MIC
Mike Callahan, Hydrologist

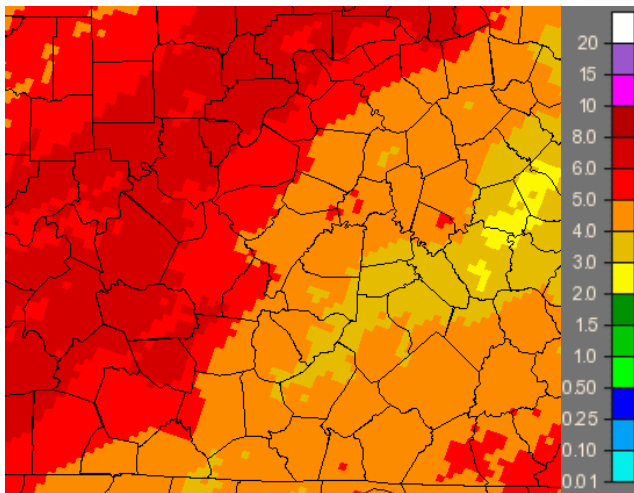
DATE
January 5, 2012

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

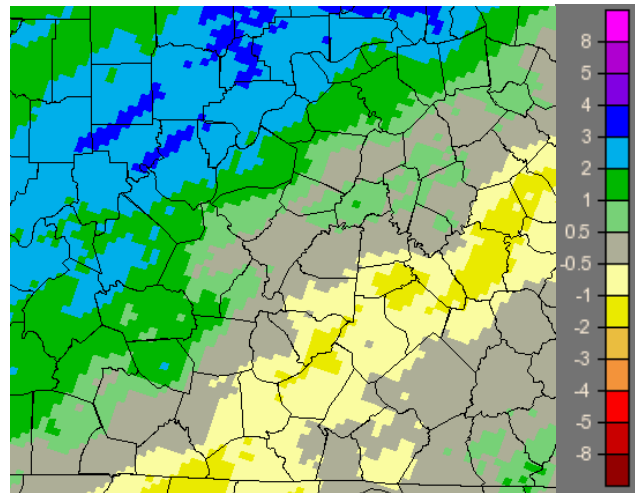
An X inside this box indicates that no flooding occurred within this hydrologic service area.

The hydrologic service area (HSA) for this office covers Central Kentucky and South Central Indiana.

December 2011 rainfall was generally 1 to 3 inches above normal across the north and west, but 0 to 2 inches below in the south and east. The wettest portions were in Scott County IN. Here are specific values for major airports: Louisville 5.21 inches, 1.38 inches above normal; Lexington 4.43 inches, 0.50 inches above normal; Bowling Green 4.79 inches, 0.06 inches below normal; Frankfort 4.13 inches, 0.12 inches above normal.



December 2011



December 2011 Departure from Normal

Much of the rain this month fell from the 4th through the 7th. Most locations collected between 2 and 3 inches with the heaviest amounts in the north. This rain falling on top of high streams resulted in minor flooding in southern Indiana and in parts of the Salt and Green basins in central Kentucky. The remainder of the month saw no major rains and all flooding had ended by the 10th. There was no measurable snow this month.

At the end of the month, streamflows were near normal. Most reservoirs were near normal but Rough River Lake was still about 15 feet above normal. No problems were reported with water supplies or navigation.

NWS FORM E-3 U.S. DEPARTMENT OF COMMERCE NOAA, NATIONAL WEATHER SERVICE FLOOD STAGE REPORT	HYDROLOGIC SERVICE AREA: Louisville KY	
	MONTH: December	YEAR: 2011

RIVER AND STATION	FLOOD STAGE (FEET)	ABOVE FLOOD STAGE (UTC)		PRELIMINARY CREST (UTC)		
		FROM	TO	STAGE (FEET)	DATE	TIME (UTC)
Muscatatuck River Deputy IN	20	12/05/11 1355	12/06/11 1900	25.25	12/06/11	0430
Blue River Fredericksburg IN	20	12/06/11 0150	12/06/11 1555	21.82	12/06/11	0930
Rolling Fork River Boston	35	11/29/11 1550 12/07/11 2000	12/02/11 0735 12/08/11 0425	40.27 35.55	12/01/11 12/07/11	0630 2000
Rough River Dundee	25	12/05/11 2215	12/08/11 0450	27.15	12/06/11	2100
Green River Brownsville	18	11/29/11 1940	12/01/11 2100	20.78	12/01/11	0130
Woodbury	33	11/29/11 1850 12/06/11 1300	12/02/11 0950 12/08/11 1440	34.9 34.7	12/01/11 12/07/11	1100 1100
Rochester	17	11/29/11 2350 12/06/11 1400	12/03/11 0950 12/10/11 0715	18.0 19.6	12/01/11 12/08/11	1000 1200
Ohio River Tell City IN	38	12/01/11 1000	12/02/11 1000	38.0	12/01/11	1000