



National Weather Service

Storm Data and Unusual Weather Phenomena



November 1998

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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TEXAS, Central Southeast

AUSTIN County									
NORTH PORTION	12	1020CST 1025CST			0	0			FLASH FLOOD
Portions of FM 109 flooded.									
AUSTIN County									
NORTH PORTION	12	1032CST 1330CST			0	0	10K		FLASH FLOOD
FM 109 flooded.									
MONTGOMERY County									
NORTHWEST PORTIO	12	1045CST 1430CST			0	0	10K		FLASH FLOOD
Many farm-to-market roads flooded including FM 149.									
GRIMES County									
SOUTH PORTION	12	1210CST 1400CST			0	0	10K		FLASH FLOOD
Many farm-to-market roads closed due to high water.									
AUSTIN County									
NORTH PORTION	12	1334CST 1630CST			0	0	5K		FLASH FLOOD
Many roads flooded across northern portion of the county.									
MONTGOMERY County									
COUNTYWIDE	12	1334CST 1900CST			0	0	10K		FLASH FLOOD
Widespread street flooding.									
AUSTIN County									
COUNTYWIDE	12	1641CST 1940CST			0	0	10K		FLASH FLOOD
Street flooding countywide. FM 2754 & FM 1371 closed.									
WASHINGTON County									
COUNTYWIDE	12	1720CST 1940CST			0	0	3K		FLASH FLOOD
Minor street flooding on the side roads.									
HARRIS County									
NORTH PORTION	12	1830CST 1910CST			0	0	3K		FLASH FLOOD
Street flooding in the Willowbrook area.									
SAN JACINTO County									
EAST PORTION	12	1858CST 1910CST			0	0	3K		FLASH FLOOD
Street flooding across the region, especially near the Shell Oil Field.									
LIBERTY County									
CLEVELAND	12	1901CST 1910CST			0	0	3K		FLASH FLOOD
Street flooding.									
WALLER County									
WALLER	12	1908CST 1910CST			0	0	1K		FLASH FLOOD
Minor street flooding.									
LIBERTY County									
COUNTYWIDE	12 13	1945CST 0055CST			0	0	5K		FLASH FLOOD
Minor street flooding countywide, especially in the Cleveland area.									
MONTGOMERY County									
COUNTYWIDE	12 13	1945CST 0055CST			0	0	20K		FLASH FLOOD
Numerous roads closed across the region including HWY 105.									
SAN JACINTO County									
COUNTYWIDE	12 13	1945CST 0055CST			0	0	10K		FLASH FLOOD
Numerous roads flooded.									



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TEXAS, Central Southeast

FORT BEND County

COUNTYWISE	12	2145CST 2155CST			0	0	3K		FLASH FLOOD
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Minor street flooding across the area, especially in the Peca Grove Subdivision.

JACKSON County

COUNTYWISE	12	2147CST 0055CST			0	0	20K		FLASH FLOOD
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Numerous roads closed across the area including CR's 112, 282, 462, 319, and 320.

AUSTIN County

COUNTYWISE	12	2154CST 0055CST			0	0	20K		FLASH FLOOD
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Major street flooding with numerous road closures.

COLORADO County

COUNTYWISE	12	2154CST 0055CST			0	0	5K		FLASH FLOOD
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Minor street flooding across the region.

GRIMES County

COUNTYWISE	12	2154CST 0055CST			0	0	15K		FLASH FLOOD
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Numerous road closures due to flooding.

HARRIS County

COUNTYWISE	12	2154CST 0055CST			0	0	5K		FLASH FLOOD
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Secondary roads flooded.

WALLER County

COUNTYWISE	12	2154CST 0055CST			0	0	3K		FLASH FLOOD
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Minor street flooding.

WASHINGTON County

COUNTYWISE	12	2154CST 0055CST			0	0	5K		FLASH FLOOD
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Many secondary roads closed due to flooding.

WHARTON County

COUNTYWISE	12	2154CST 0055CST			0	0	3K		FLASH FLOOD
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Minor street flooding across the county.

POLK County

COUNTYWISE	12	2245CST 0055CST			0	0	3K		FLASH FLOOD
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Minor street flooding countywide.

WALKER County

SOUTH PORTION	12	2300CST 0055CST			0	0	5K		FLASH FLOOD
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HWY 150 from New Waverly to San Jacinto County line is closed due to flooding.

**TXZ176-178>179-196-
199>200-210-213-
226>227-235>237**

**MADISON - SAN JACINTO - POLK - BRAZOS - MONTGOMERY - LIBERTY - COLORADO - HARRIS -
WHARTON - FORT BEND - JACKSON - MATAGORDA - BRAZORIA**

	12	1200CST 1200CST			0	0			RIVER FLOODING
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Major flooding visited southeast Texas yet again in November. On November 12th upper level moisture from the Pacific Ocean interacting with low level moisture from the Gulf of Mexico and an approaching upper level storm system from the west produced widespread heavy rainfall over the region during the afternoon and evening hours. Rainfall amounts across the area averaged 5 to 7 inches with large areas receiving 7 to 9 inches and isolated amounts in excess of 10 inches of rain. The underlying soil moisture was still very high from the heavy rains in October so considerable runoff was produced. Significant rises occurred on most rivers and streams within the Houston/Galveston HSA beginning during the late night and early morning hours of November 12th and 13th.

As in October, significant rises were observed on several rivers and streams within the HSA. Four to six inches of rain over the Trinity River basin produced rapid rises during the early morning hours of November 13th. Moderate lowland flooding occurred on the Trinity River main stem for several days. Long King Creek in Livingston experienced major flooding with water levels in



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TEXAS, Central Southeast

excess of 30 feet, flooding begins at 19 feet. Moderate flooding also occurred on Menard Creek near Rye as well as Bedias Creek near Madisonville. Flooding on these tributaries lasted for a few days. Residents of several subdivisions along the Trinity River above Liberty were advised to evacuate.

Major flooding began on Cypress Creek during the evening hours of November 12th with significant rise observed on the West and East Forks of the San Jacinto River, Spring Creek, Caney Creek, and Luce Bayou during the morning hours of November 13th. Flooding continued for several days. Over 200 homes were flooded along Cypress and Spring Creeks and the West Fork of the San Jacinto River. Numerous roads in Montgomery and Harris County were inundated and closed during this event. Along the East Fork of the San Jacinto River the community of Plum Grove in Liberty County was severely impacted with several homes flooded and two major roads into the community closed for more than 24 hours. The community of Patton Village in Montgomery County also experienced major flooding. Significant flooding also occurred below Lake Houston in the communities of Magnolia Gardens, Banana Bend, Highland Shores.

During the early morning hours of November 14th 3 to 5 inches of rain over Clear Creek, along the Harris/Galveston County line produced a rapid rise. Moderate flooding occurred during the afternoon and evening hours of November 14th. The creek was within banks by the morning of November 15th. Several homes in Friendswood were flooded.

Moderate lowland flooding occurred on the Lower Brazos River below Rosharon to Below West Columbia. Significant backwater flooding was observed on Varner Creek in Brazoria County. No homes were flooded but several minor roads were inundated. Moderate flooding was also observed on East and Middle Yegua Creeks with minor lowland flooding on the Navasota River near Normangee. Significant flooding occurred on Mill Creek in Austin County with several roads inundated and closed.

Major lowland flooding occurred once again on the San Bernard River above Highway 60 near Wallis to below Sweeny. No homes were flooded, but several major roads were closed. Evacuation of the El Lobo Subdivision in Wharton County was recommended. Barge traffic to the Phillips Petroleum facility near Sweeny was halted for several days. In Fort Bend County FM 2919 near the Tierra Grande subdivision had water to the bottom of the bridge.

Minor flooding also occurred on Chocolate Bayou near Alvin, on the Tres Palacios River in Matagorda County, on East Mustang Creek in Wharton County.

Significant rises were also observed on the Brazos River in the channel above Bryan to below Richmond and on the Colorado River above Columbus to below Bay City. However, flood stages were not exceeded and only minor inundation of low areas along these rivers was reported.

Fortunately no deaths were reported in this flood event, however it was the second major flood event on many of these watersheds in less than one month.

AUSTIN County COUNTYWIDE	13	0100CST 0500CST			0	0	10K	FLASH FLOOD
	Numerous roads flooded.							
COLORADO County COUNTYWIDE	13	0100CST 0500CST			0	0	5K	FLASH FLOOD
	Minor street flooding.							
GRIMES County COUNTYWIDE	13	0100CST 0500CST			0	0	10K	FLASH FLOOD
	Numerous roads flooded.							
HARRIS County COUNTYWIDE	13	0100CST 0500CST			0	0	5K	FLASH FLOOD
	Secondary roads flooded.							
JACKSON County COUNTYWIDE	13	0100CST 0500CST			0	0	10K	FLASH FLOOD
	Numerous roads flooded.							
LIBERTY County COUNTYWIDE	13	0100CST 0500CST			0	0	3K	FLASH FLOOD
	Minor street flooding.							



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TEXAS, Central Southeast

LIBERTY County									
COUNTYWIDE	13	0915CST 1200CST			0	0	5K		FLASH FLOOD
Numerous roads either closed or impassable due to flooding.									
MONTGOMERY County									
COUNTYWIDE	13	0915CST 1200CST			0	0	5K		FLASH FLOOD
Numerous roads either closed or impassable due to flooding.									
POLK County									
COUNTYWIDE	13	0915CST 1200CST			0	0	5K		FLASH FLOOD
Numerous roads either closed or impassable due to flooding.									
SAN JACINTO County									
COUNTYWIDE	13	0915CST 1200CST			0	0	5K		FLASH FLOOD
Numerous roads either closed or impassable due to flooding.									
TRINITY County									
COUNTYWIDE	13	0915CST 1200CST			0	0	5K		FLASH FLOOD
Numerous roads either closed or impassable due to flooding.									
AUSTIN County									
COUNTYWIDE	14	0530CST 0700CST			0	0	5K		FLASH FLOOD
Widespread street flooding.									
COLORADO County									
COUNTYWIDE	14	0530CST 0700CST			0	0	5K		FLASH FLOOD
Widespread street flooding.									
JACKSON County									
COUNTYWIDE	14	0530CST 0700CST			0	0	5K		FLASH FLOOD
Widespread street flooding.									
WALLER County									
COUNTYWIDE	14	0530CST 0700CST			0	0	5K		FLASH FLOOD
Widespread street flooding.									
WASHINGTON County									
COUNTYWIDE	14	0530CST 0700CST			0	0	5K		FLASH FLOOD
Widespread street flooding.									
WHARTON County									
COUNTYWIDE	14	0530CST 0700CST			0	0	5K		FLASH FLOOD
Widespread street flooding.									