

## Storm Data and Unusual Weather Phenomena - September 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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### ALABAMA, Central

(AL-Z021) CLEBURNE, (AL-Z025) SHELBY, (AL-Z027) TALLADEGA, (AL-Z028) CLAY, (AL-Z029) RANDOLPH, (AL-Z033) PERRY, (AL-Z034) BIBB, (AL-Z035) CHILTON, (AL-Z036) COOSA, (AL-Z037) TALLAPOOSA, (AL-Z038) CHAMBERS, (AL-Z040) DALLAS, (AL-Z041) AUTAUGA, (AL-Z042) LOWNDES, (AL-Z043) ELMORE, (AL-Z044) MONTGOMERY, (AL-Z045) MACON, (AL-Z046) BULLOCK, (AL-Z047) LEE, (AL-Z048) RUSSELL, (AL-Z050) BARBOUR

09/01/11 00:00 CST	0	Drought
09/30/11 23:59 CST	0	

Below normal rainfall fell across much of central Alabama during the month of September. Although some areas received some very heavy rainfall during the first week of the month, only a few locations saw any relief.

#### ETOWAH COUNTY --- 0.7 W RAINBOW CITY [33.95, -86.04], 1.1 WNW RAINBOW CITY [33.96, -86.05]

09/04/11 14:50 CST	30K	Tornado (EF0, L: 0.70 mi , W: 50 yd)
09/04/11 14:51 CST	0	Source: NWS Storm Survey

An EF0 tornado, associated with Tropical Storm Lee, with estimated peak winds of 80 MPH touched down in Rainbow City. After touching down near Hill St, the tornado took a turn to the northwest, crossing U.S. Highway 411 west of Bland St. The tornado turn back to the north and lifted near Irene St., west of Alabama Highway 77. Ten to 15 pine trees were snapped and a few hardwood trees were uprooted. Several HVAC units were blown off the roof of Rainbow City Hall on U.S. Highway 411 and minor structural damage occurred at the Spring Lake Lodge Apartments.

#### LAMAR COUNTY --- 2.5 N FERNBANK [33.59, -88.13], 2.1 NNE MILLPORT [33.60, -88.06], 3.1 SE MILLPORT [33.54, -88.04], 0.6 SSE FERNBANK [33.54, -88.13]

09/05/11 07:30 CST	0	Flash Flood (due to Heavy Rain / Tropical System)
09/05/11 13:30 CST	0	Source: Emergency Manager

Heavy rainfall from the remnants of Tropical Storm Lee caused flash flooding across southern Lamar County, resulting in numerous road closures in Millport and the surrounding areas.

#### LAMAR COUNTY --- 2.6 NW VERNON [33.78, -88.15], 2.8 NE VERNON [33.78, -88.09], 2.4 ESE VERNON [33.73, -88.08], 1.9 SW VERNON [33.73, -88.14]

09/05/11 07:30 CST	0	Flash Flood (due to Heavy Rain / Tropical System)
09/05/11 13:30 CST	0	Source: Emergency Manager

Heavy rainfall from the remnants of Tropical Storm Lee caused flash flooding across southern Lamar County, resulting in numerous road closures in Vernon and the surrounding areas.

#### PICKENS COUNTY --- 0.4 S GARDEN [33.14, -88.18], 0.4 ESE CUNNINGHAM [33.15, -88.11], 2.1 ESE ALICEVILLE [33.11, -88.12], 1.6 NE ALICEVILLE ARPT [33.12, -88.18]

09/05/11 09:00 CST	0	Flash Flood (due to Heavy Rain / Tropical System)
09/05/11 15:00 CST	0	Source: Emergency Manager

Numerous roads were flooded across Pickens county as a result of heavy rainfall from the remnants of Tropical Storm Lee. Numerous streets and parking lots in Aliceville were flooded. Residents of one home had to be evacuated.

#### PICKENS COUNTY --- 1.3 SW REFORM [33.37, -88.04], 1.6 SE REFORM NO PICKENS AR [33.36, -87.98], 1.3 NNE REFORM NO PICKENS AR [33.40, -87.99], 1.5 NNW REFORM [33.40, -88.03]

09/05/11 09:00 CST	0	Flash Flood (due to Heavy Rain / Tropical System)
09/05/11 15:00 CST	0	Source: Law Enforcement

Heavy rainfall from the remnants of Tropical Storm Lee resulted in flash flooding in Reform, where up to six inches of water was reported to be flowing across many streets.

#### PICKENS COUNTY --- 2.5 WSW CARROLLTON [33.26, -88.14], 3.7 E PICKENSVILLE [33.23, -88.21], 3.7 W UNION CHAPEL [33.21, -88.19], 2.6 SSW CARROLLTON [33.24, -88.12]

09/05/11 09:00 CST	0	Flash Flood (due to Heavy Rain / Tropical System)
09/05/11 15:00 CST	0	Source: Emergency Manager

Numerous roads were flooded across Pickens county as a result of heavy rainfall from the remnants of Tropical Storm Lee. Portions of Luther Coleman Rd and Cummings Rd, southwest of Carrollton, were washed out.

(AL-Z013) FAYETTE, (AL-Z017) BLOUNT, (AL-Z018) ETOWAH, (AL-Z020) CHEROKEE, (AL-Z022) PICKENS, (AL-Z023) TUSCALOOSA, (AL-Z024) JEFFERSON, (AL-Z028) CLAY, (AL-Z030) SUMTER, (AL-Z031) GREENE, (AL-Z032) HALE, (AL-Z033) PERRY, (AL-Z041) AUTAUGA, (AL-Z043)

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>ELMORE, (AL-Z045) MACON, (AL-Z047) LEE</b>				
	09/05/11 09:37 CST		0.15M	Strong Wind (MAX 49 kt)
	09/05/11 21:30 CST	1	0	
<b>TUSCALOOSA COUNTY --- 3.4 NNW MOORES BRIDGE [33.50, -87.80], 11.8 ENE STERLING [33.59, -87.38], 2.4 NNE VANCE [33.20, -87.21], 0.8 S RALPH [33.04, -87.77]</b>				
	09/05/11 10:36 CST		0	Flash Flood (due to Heavy Rain / Tropical System)
	09/05/11 18:30 CST		0	Source: Emergency Manager
Heavy rainfall associated with the remnants of Tropical Storm Lee resulted in flash flooding across much of Tuscaloosa county and road closures, including numerous roads in the city of Tuscaloosa.				
<b>GREENE COUNTY --- 3.5 WNW WEST GREENE [32.94, -88.14], 2.9 W WEST GREENE [32.92, -88.13], 0.6 E WEST GREENE [32.92, -88.07], 1.1 NW WEST GREENE [32.93, -88.09]</b>				
	09/05/11 11:00 CST		0	Flash Flood (due to Heavy Rain / Tropical System)
	09/05/11 14:00 CST		0	Source: Emergency Manager
Portions of County Road 117 were closed for several hours as a result of flash flooding due to heavy rainfall from the remnants of Tropical Storm Lee.				
<b>HALE COUNTY --- 5.2 SSW HOGGLESVILLE [32.78, -87.50], 1.8 SSW HOGGLESVILLE [32.83, -87.49]</b>				
	09/05/11 11:00 CST		12K	Tornado (EF0, L: 3.43 mi , W: 50 yd)
	09/05/11 11:04 CST		0	Source: Emergency Manager
An EF0 tornado, associated with the remnants of Tropical Storm Lee, with estimated peak winds of 70 MPH touched down approximately 8 miles northeast of Greensboro, near the intersection of County Road 32 and County Road 51. The tornado moved north-northeast, parallel to Alabama Highway 25, and lifted just north of Starling Rd. The tornado snapped off or uprooted several trees. The downed trees caused roof damage to a house and a small storage barn. The metal roof panels of another outbuilding were torn off.				
<b>JEFFERSON COUNTY --- 0.6 WNW BROWNVILLE [33.38, -86.94]</b>				
	09/05/11 12:23 CST		0	Heavy Rain
	09/05/11 12:23 CST		0	Source: Amateur Radio
At least three inches of water was reported across all lanes of Morgan Road near Alabama Highway 150. This was a result of heavy rainfall associated with the remnants of Tropical Storm Lee.				
<b>JEFFERSON COUNTY --- 0.6 SSE DOLOMITE [33.44, -86.98], 0.9 WNW COLLINS [33.42, -87.00], 1.6 W WOODWARD [33.40, -87.01], 1.3 S BROWNVILLE [33.36, -86.93], 2.2 S HOMEWOOD [33.45, -86.78], 1.8 WSW (BHM)BIRMINGHAM ARPT [33.56, -86.78], 0.7 SSE HILL VIEW [33.56, -86.88], 0.3 SE DOCENA [33.55, -86.93]</b>				
	09/05/11 12:45 CST		50K	Flash Flood (due to Heavy Rain / Tropical System)
	09/05/11 18:45 CST		0	Source: Emergency Manager
Extensive flash flooding occurred across Jefferson County as a result of heavy rain from the remnants of Tropical Storm Lee. Heavy rainfall caused Five Mile Creek to exceed bankfull, flooding Highway 79 in Tarrant, Five Mile Creek Rd near Fultondale, where a motorist was stranded, and many other surrounding roads. Numerous roads in downtown Birmingham were flooded, including the Interstate 65/Interstate 20 ramp, where 10 inches of water was covering the roadway, and Tallapoosa St at Interstate 20. Village Creek rose to 14.57 feet, flooding the surrounding area. This was the second highest crest at Village Creek in recorded history. Valley Creek also rose out of its bank and to a level of approximately 17.89 feet, flooding the surrounding area. Several roads were flooded in McCalla and Bessemer, including 9th Ave at Alabama Highway 150 where nine inches of water was flowing across the road. Several roads were flooded in Hueytown, where motorists were stranded. In Vestavia, US Highway 31 was flooded and at least two feet of water was reported in the Vestavia Hills Bowling Alley parking lot. There were a total of 30 water rescues in the Birmingham metro area as a result of the flooding. Approximately three dozen homes, most in the Bessemer, Ensley, and Hueytown areas, sustained damage as water entered the homes.				
<b>WALKER COUNTY --- 0.6 NE OAKMAN [33.72, -87.39], 0.4 NE COAL VLY [33.72, -87.37], 0.9 E MARIETTA [33.70, -87.39], 0.2 NNE MARIETTA [33.70, -87.40]</b>				
	09/05/11 13:00 CST		0	Flash Flood (due to Heavy Rain / Tropical System)
	09/05/11 14:00 CST		0	Source: Emergency Manager
Due to heavy rainfall from the remnants of Tropical Storm Lee, Alabama Highway 69 in Oakman was temporarily impassable due to flooding.				
<b>LAMAR COUNTY --- 2.5 N FERNBANK [33.59, -88.13], 2.1 NNE MILLPORT [33.60, -88.06], 3.1 SE MILLPORT [33.54, -88.04], 0.6 SSE FERNBANK [33.54, -88.13]</b>				
	09/05/11 13:30 CST		0	Flood (due to Heavy Rain / Tropical System)
	09/07/11 12:00 CST		0	Source: Emergency Manager

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Heavy rainfall from the remnants of Tropical Storm Lee led to flash flooding across portions of southern Lamar County Monday, September 5. Several roads in and around Millport remained closed through the following Wednesday morning due to flood waters.				
<b>LAMAR COUNTY --- 2.6 NW VERNON [33.78, -88.15], 2.8 NE VERNON [33.78, -88.09], 2.4 ESE VERNON [33.73, -88.08], 1.9 SW VERNON [33.73, -88.14]</b>				
	09/05/11 13:30 CST		0	Flood (due to Heavy Rain / Tropical System)
	09/07/11 12:00 CST		0	Source: Emergency Manager
Heavy rainfall from the remnants of Tropical Storm Lee led to flash flooding across portions of southern Lamar County Monday, September 5. Several roads in and around Vernon remained closed through the following Wednesday morning due to flood waters.				
<b>WALKER COUNTY --- 1.3 NE COAL VLY [33.73, -87.37], 1.5 NE COAL VLY [33.73, -87.36], 1.4 ENE COAL VLY [33.73, -87.36], 1.2 NE COAL VLY [33.73, -87.37]</b>				
	09/05/11 13:45 CST		0	Flash Flood (due to Heavy Rain / Tropical System)
	09/05/11 14:45 CST		0	Source: Emergency Manager
Due to heavy rainfall from the remnants of Tropical Storm Lee, Hunting Club Rd near Oakman was washed out.				
<b>(AL-Z015) WALKER</b>				
	09/05/11 13:45 CST		0	Landslide
	09/05/11 13:45 CST		0	
<b>MACON COUNTY --- 0.9 NE FT DAVIS [32.24, -85.71]</b>				
	09/05/11 13:56 CST		7K	Heavy Rain
	09/05/11 13:56 CST		0	Source: Emergency Manager
A period of heavy rainfall from the remnants of Tropical Storm Lee caused the roof of a mobile home to partially cave in, causing water damage to half of the mobile home.				
<b>BLOUNT COUNTY --- 3.0 ENE HAYDEN [33.90, -86.73], 6.1 WSW BLOUNT SPGS [33.91, -86.90], 5.5 WSW HAYDEN [33.85, -86.86], 1.7 E HAYDEN [33.88, -86.74]</b>				
	09/05/11 14:30 CST		0	Flash Flood (due to Heavy Rain / Tropical System)
	09/05/11 20:30 CST		0	Source: Emergency Manager
Heavy rainfall from the remnants of Tropical Storm Lee resulted in eight inches of water flowing over Highway 160 in Hayden. The bridges on Acton Bend Circle were also reported underwater.				
<b>BLOUNT COUNTY --- 3.7 WSW BLOUNT SPGS [33.91, -86.86], 3.6 WNW BLOUNT SPGS [33.94, -86.86], 1.2 ENE BLOUNT SPGS [33.93, -86.78], 1.2 SE BLOUNT SPGS [33.92, -86.79]</b>				
	09/05/11 14:30 CST		0	Flash Flood (due to Heavy Rain / Tropical System)
	09/05/11 20:30 CST		0	Source: Emergency Manager
Heavy rainfall from the remnants of Tropical Storm Lee caused several roads along the Interstate 65 corridor to become flooded and impassable.				
<b>BLOUNT COUNTY --- ONEONTA [33.95, -86.47], 0.5 W ONEONTA [33.95, -86.48], 0.5 SW ONEONTA [33.94, -86.48], 0.3 SE ONEONTA [33.95, -86.47]</b>				
	09/05/11 14:30 CST		5K	Flash Flood (due to Heavy Rain / Tropical System)
	09/05/11 20:30 CST		0	Source: Emergency Manager
Heavy rainfall from the remnants of Tropical Storm Lee caused a grocery store to become flooded in Oneonta.				
<b>PICKENS COUNTY --- 0.4 S GARDEN [33.14, -88.18], 0.4 ESE CUNNINGHAM [33.15, -88.11], 2.1 ESE ALICEVILLE [33.11, -88.12], 1.6 NE ALICEVILLE ARPT [33.12, -88.18]</b>				
	09/05/11 15:00 CST		0	Flood (due to Heavy Rain / Tropical System)
	09/06/11 08:00 CST		0	Source: Emergency Manager
Due to heavy rainfall from the remnants of Tropical Storm Lee, several roads and parking lots remained flooded. Waters receded and roads were reopened by Tuesday morning, September 6.				
<b>PICKENS COUNTY --- 2.5 WSW CARROLLTON [33.26, -88.14], 3.7 E PICKENSVILLE [33.23, -88.21], 3.7 W UNION CHAPEL [33.21, -88.19], 2.6 SSW CARROLLTON [33.24, -88.12]</b>				
	09/05/11 15:00 CST		0	Flood (due to Heavy Rain / Tropical System)
	09/06/11 08:00 CST		0	Source: Emergency Manager

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Due to heavy rainfall from the remnants of Tropical Storm Lee, several roads were flooded, or washed out, and remained closed through Tuesday morning, September 6.				
<b>ETOWAH COUNTY --- 0.3 N KEENER [34.15, -85.95], 0.6 E KEENER [34.15, -85.94], 1.0 WNW TABOR [34.16, -85.94], 0.9 NE KEENER [34.16, -85.94]</b>				
	09/05/11 16:30 CST		0	Flash Flood (due to Heavy Rain / Tropical System)
	09/05/11 22:30 CST		0	Source: Emergency Manager
Due to heavy rainfall from the remnants of Tropical Storm Lee, portions of Keener Gap Rd were closed due to flood waters.				
<b>ETOWAH COUNTY --- 0.6 NNW ORD [33.99, -85.98], 1.0 W SOUTHSIDE [34.00, -86.04], 0.7 NNE GADSDEN [34.03, -86.01], 1.7 ENE EAST GASDEN [34.01, -85.97]</b>				
	09/05/11 16:30 CST		0	Flash Flood (due to Heavy Rain / Tropical System)
	09/05/11 22:30 CST		0	Source: Emergency Manager
Due to heavy rainfall from the remnants of Tropical Storm Lee, several intersections and roads in the city of Gadsden flooded, included streets near Gadsden State Community College.				
<b>ETOWAH COUNTY --- 1.0 WNW WALNUT GROVE [34.08, -86.32], 1.3 E WALNUT GROVE [34.07, -86.28], 1.8 NNE PANA [34.06, -86.27], 1.3 SW WALNUT GROVE [34.06, -86.32]</b>				
	09/05/11 16:30 CST		0	Flash Flood (due to Heavy Rain / Tropical System)
	09/05/11 22:30 CST		0	Source: Emergency Manager
Due to heavy rainfall from the remnants of Tropical Storm Lee, several roads in and around Walnut Grove were closed due to flood waters.				
<b>ETOWAH COUNTY --- 1.4 SSE ALTOONA [34.00, -86.31], 1.6 ESE ALTOONA [34.01, -86.30], 1.7 SSW PANA [34.01, -86.29], 1.8 SE ALTOONA [34.00, -86.30]</b>				
	09/05/11 16:30 CST		0	Flash Flood (due to Heavy Rain / Tropical System)
	09/05/11 22:30 CST		0	Source: Emergency Manager
Due to heavy rainfall from the remnants of Tropical Storm Lee, portions of Dee Nix Rd and Buzzard Rock Rd, south of Altoona, flooded.				
<b>ETOWAH COUNTY --- 1.0 E IVALEE [34.03, -86.10], 0.8 WNW ALABAMA CITY [34.04, -86.06], 0.7 SE ATTALLA [34.01, -86.07], 1.0 N SIBERT [34.01, -86.10]</b>				
	09/05/11 17:00 CST		0	Flash Flood (due to Heavy Rain / Tropical System)
	09/05/11 22:30 CST		0	Source: Public
Due to heavy rainfall from the remnants of Tropical Storm Lee, several roadways and yards were flooded with several feet of water in the city of Attalla.				
<b>WALKER COUNTY --- 1.4 S JASPER WALKER CO ARP [33.85, -87.27]</b>				
	09/05/11 17:00 CST		0	Heavy Rain
	09/05/11 17:00 CST	1	0	Source: Emergency Manager
Persistent heavy rainfall from the remnants of Tropical Storm Lee caused a leaky roof at an apartment complex to collapse, resulting in one injury. Eight families were evacuated.				
<b>TUSCALOOSA COUNTY --- 3.4 NNW MOORES BRIDGE [33.50, -87.80], 11.8 ENE STERLING [33.59, -87.38], 2.4 NNE VANCE [33.20, -87.21], 0.8 S RALPH [33.04, -87.77]</b>				
	09/05/11 17:30 CST		0	Flood (due to Heavy Rain / Tropical System)
	09/07/11 00:30 CST		0	Source: County Official
Heavy rainfall from the remnants of Tropical Storm Lee led to widespread flash flooding and numerous road closures across Tuscaloosa county. Flood waters remained high and roads closed until Wednesday morning, September 7.				
<b>(AL-Z024) JEFFERSON, (AL-Z025) SHELBY, (AL-Z026) ST. CLAIR, (AL-Z027) TALLADEGA</b>				
	09/05/11 17:45 CST		30K	High Wind (MAX 56 kt)
	09/05/11 21:00 CST		0	
<b>JEFFERSON COUNTY --- 1.3 N VESTAVIA HILLS [33.42, -86.78], 0.9 NNW CAHABA HGTS [33.46, -86.74], 1.2 SSE KETONA [33.60, -86.75], 0.9 W FULTONDALE [33.62, -86.82], 0.8 SE REPUBLIC [33.59, -86.89], 0.9 WNW COLLINS [33.42, -87.00], 0.7 NW MC CALLA [33.34, -87.03], 0.4 WNW GREENWOOD [33.33, -86.94]</b>				
	09/05/11 18:45 CST		0	Flood (due to Heavy Rain / Tropical System)
	09/06/11 05:00 CST		0	Source: Emergency Manager

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Heavy rainfall from the remnants of Tropical Storm Lee resulted in flash flooding across much of Jefferson County. Water levels of several area creeks remained higher than bank full and numerous roads remained close through early Tuesday morning, September 6.				

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<b>BLOUNT COUNTY --- 3.0 ENE HAYDEN [33.90, -86.73], 6.1 WSW BLOUNT SPGS [33.91, -86.90], 5.5 WSW HAYDEN [33.85, -86.86], 1.7 E HAYDEN [33.88, -86.74]</b>	09/05/11 20:30 CST	0	0	Flood (due to Heavy Rain / Tropical System)
	09/06/11 05:00 CST			Source: Emergency Manager

Heavy rainfall from the remnants of Tropical Storm Lee resulted in eight inches of water flowing over Highway 160 in Hayden. The bridges on Acton Bend Circle were also reported underwater. Several roads remained closed through Tuesday morning, September 6th.

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<b>BLOUNT COUNTY --- 3.7 WSW BLOUNT SPGS [33.91, -86.86], 3.5 WNW BLOUNT SPGS [33.94, -86.86], 1.2 ENE BLOUNT SPGS [33.93, -86.78], 1.2 SE BLOUNT SPGS [33.92, -86.79]</b>	09/05/11 20:30 CST	0	0	Flood (due to Heavy Rain / Tropical System)
	09/06/11 05:00 CST			Source: Emergency Manager

Heavy rainfall from the remnants of Tropical Storm Lee caused several roads to become flooded, including several roads along the Interstate 65 corridor. Roads remained closed through Tuesday morning, September 6th.

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<b>BLOUNT COUNTY --- ONEONTA [33.95, -86.47], 0.5 W ONEONTA [33.95, -86.48], 0.5 SW ONEONTA [33.94, -86.48], 0.3 SE ONEONTA [33.95, -86.47]</b>	09/05/11 20:30 CST	0	0	Flood (due to Heavy Rain / Tropical System)
	09/06/11 05:00 CST			Source: Emergency Manager

Heavy rainfall from the remnants of Tropical Storm Lee caused a grocery store to become flooded in Oneonta. Several other roads remained closed through Tuesday morning, September 6th.

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<b>ETOWAH COUNTY --- 0.3 N KEENER [34.15, -85.95], 0.6 E KEENER [34.15, -85.94], 1.0 ENE KEENER [34.16, -85.94], 0.9 NE KEENER [34.16, -85.94]</b>	09/05/11 22:30 CST	0	0	Flood (due to Heavy Rain / Tropical System)
	09/07/11 10:00 CST			Source: Emergency Manager

Due to heavy rainfall from the remnants of Tropical Storm Lee, portions of Keener Gap Rd were closed due to flood waters, and remained closed through Wednesday morning, September 7.

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<b>ETOWAH COUNTY --- 1.0 WNW WALNUT GROVE [34.08, -86.32], 1.3 E WALNUT GROVE [34.07, -86.28], 1.8 NNE PANA [34.06, -86.27], 1.3 SW WALNUT GROVE [34.06, -86.32]</b>	09/05/11 22:30 CST	0	0	Flood (due to Heavy Rain / Tropical System)
	09/07/11 10:00 CST			Source: Emergency Manager

Due to heavy rainfall from the remnants of Tropical Storm Lee, several roads in and around Walnut Grove were closed due to flood waters, and remained closed through Wednesday morning, September 7.

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<b>ETOWAH COUNTY --- 1.4 SSE ALTOONA [34.00, -86.31], 1.6 ESE ALTOONA [34.01, -86.30], 1.7 SSW PANA [34.01, -86.29], 1.8 SE ALTOONA [34.00, -86.30]</b>	09/05/11 22:30 CST	0	0	Flood (due to Heavy Rain / Tropical System)
	09/07/11 10:00 CST			Source: Emergency Manager

Due to heavy rainfall from the remnants of Tropical Storm Lee, portions of Dee Nix Rd and Buzzard Rock Rd, south of Altoona flooded and remained closed through Wednesday morning, September 7.

**A tropical depression developed in the Gulf of Mexico on Thursday, September 1 and strengthened as it remained nearly stationary becoming Tropical Storm Lee Friday afternoon, September 2. Tropical Storm Lee slowly moved northward toward the central Louisiana coast, eventually making landfall Sunday, September 4 near Vermillion Bay, LA, with maximum sustained wind speeds of 45 mph. Rain bands spread northward into Central Alabama Saturday afternoon, September 3, skirting the southwest corner of the area for approximately 6 hours before pushing further north across west Central Alabama. Moderate to heavy rainfall finally moved into other portions of the area overnight and continued through Sunday, September 4. Lee was downgraded to an extratropical cyclone early Monday morning, September 5. As the remnants of Lee interacted with an approaching cold front, heavy rainfall and gusty winds continued to affect Central Alabama through late Monday evening, September 7.**

The remnants of Tropical Storm Lee brought beneficial rainfall to Central Alabama over several days. However, an extended period of heavy rainfall led to significant flash flooding across portions of north Central Alabama, including the Birmingham metro area. First Responders across the Birmingham area conducted at least 30 water rescues as heavy rainfall caused widespread urban flooding and area creeks to rise out their banks, flooding nearby streets and neighborhoods. In addition, two tornadoes touched down and strong gradient winds caused widespread damage across many counties.

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An area of maximum rainfall stretched from southwest to northeast along and north of the Interstate 59 corridor, with more than 8 inches of event total rainfall in many locations. The Birmingham-Shuttlesworth International Airport set a new record for maximum daily rainfall with 7.11 inches on Monday, September 5. The previous record was 2.1 inches set in 1949. Longtime COOP Observer in Pinson Alabama, James B. Price, has been taking observations since January 1, 1951. The remnants of Tropical Storm Lee set a new record daily maximum rainfall of 8.94 inches on Monday, September 5 in Pinson. The previous record for September 5 was 1.2 inches set in 1968. Also, the 8.94 inches on September 5, 2011 breaks the all time record of rainfall received on any calendar day in Pinson. The previous record was 6.85 inches set on March 19, 1970.

**MARION COUNTY --- 5.1 SSW WIGINTON [34.21, -87.90]**

09/14/11 17:33 CST			5K	Thunderstorm Wind (EG 50 kt)
09/14/11 17:33 CST			0	Source: Trained Spotter

Several trees and powerlines were reported down in the Shiloh Community, along County Road 20.

**WINSTON COUNTY --- 0.7 N HALEYVILLE [34.24, -87.62]**

09/14/11 18:10 CST			2K	Thunderstorm Wind (EG 50 kt)
09/14/11 18:10 CST			0	Source: State Official

Several trees were reported down around the city of Haleyville.

**WINSTON COUNTY --- 2.4 ESE NATURAL BRIDGE [34.09, -87.56]**

09/14/11 18:18 CST			1K	Thunderstorm Wind (EG 50 kt)
09/14/11 18:18 CST			0	Source: Emergency Manager

Trees were reported down blocking one lane on Highway 278.

**FAYETTE COUNTY --- 5.6 ESE HUBERTVILLE [33.79, -87.66]**

09/14/11 18:30 CST			0	Hail (1.00 in)
09/14/11 18:30 CST			0	Source: Broadcast Media

Quarter size hail was reported on County Road 49, near Fowlers Crossroads.

**WALKER COUNTY --- 0.9 NW CORDOVA [33.76, -87.19]**

09/14/11 19:45 CST			2K	Thunderstorm Wind (EG 50 kt)
09/14/11 19:45 CST			0	Source: Amateur Radio

Trees and powerlines were reported down in and around Cordova.

An upper level short-wave trough moved across the Mississippi Valley on September 14 producing a broken line of thunderstorms that moved across Central Alabama. As the line of storms interacted with the moderately unstable air across Alabama, a few thunderstorms became severe, leading to isolated reports of straight line wind damage and hail.

**BLOUNT COUNTY --- 0.9 SW ALLGOOD [33.91, -86.51], 1.0 NNE LOCUST FORK [33.91, -86.61], 2.4 NW HOLBY SPGS [33.85, -86.61], 1.9 SE ARMSTEAD [33.85, -86.54]**

09/20/11 12:55 CST			0	Flash Flood (due to Heavy Rain)
09/20/11 15:45 CST			0	Source: Emergency Manager

Heavy rainfall led to flash flooding across portions of the Allgood and Remlap areas. Highway 75 and Tidwell Hollow road were among several roads that had flowing water reported over them.

**AUTAUGA COUNTY --- 1.2 NE AUTAUGAVILLE [32.44, -86.65]**

09/20/11 13:07 CST			5K	Thunderstorm Wind (EG 50 kt)
09/20/11 13:07 CST			0	Source: Emergency Manager

Trees were reported down along County Road 13, causing damage to the awning of a travel trailer, a flat bed auto trailer, and a fence.

**LOWNDES COUNTY --- 2.2 NNW WHITE HALL [32.36, -86.74], 2.4 N WHITE HALL [32.36, -86.74], 2.0 N WHITE HALL [32.36, -86.73], 1.9 NNW WHITE HALL [32.36, -86.74]**

09/20/11 13:35 CST			0	Flash Flood (due to Heavy Rain)
09/20/11 15:50 CST			0	Source: Public

Water was reported across Henderson Road, making the road impassable.

## Storm Data and Unusual Weather Phenomena - September 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>ELMORE COUNTY --- 1.9 ENE DEATSVILLE [32.63, -86.37]</b>				
	09/20/11 14:30 CST		5K	Thunderstorm Wind (EG 50 kt)
	09/20/11 14:30 CST		0	Source: Emergency Manager
Several trees were reported down in the community of Holtville. A porch also collapsed, causing damage to the roof of a house.				
<b>CHAMBERS COUNTY --- 1.5 NNW FAIRVIEW [32.87, -85.21], 0.5 NW FAIRVIEW [32.86, -85.21], 0.7 NNW LITTLE SHAWMUT [32.86, -85.19], 0.8 SW LANETT [32.87, -85.19]</b>				
	09/20/11 18:45 CST		0	Flash Flood (due to Heavy Rain)
	09/20/11 21:00 CST		0	Source: Emergency Manager
A shopping center parking lot located on U.S. Highway 29 was reportedly flooded, causing cars to stall out due to the high water. Water was also reported flowing underneath the doorways of several business along U.S. Highway 29.				
<b>RUSSELL COUNTY --- 0.6 W PHENIX CITY [32.47, -85.01], 0.7 WSW PHENIX CITY [32.47, -85.01], 0.2 S PHENIX CITY [32.47, -85.00], 0.1 N PHENIX CITY [32.47, -85.00]</b>				
	09/20/11 21:00 CST		20K	Flash Flood (due to Heavy Rain)
	09/21/11 01:30 CST		0	Source: Fire Department/Rescue
Six houses were flooded with up to 6 inches of water inside in the Phenix City area.				
<b>A slow moving Mesoscale Convective Vortex (MCV) triggered showers and thunderstorms across much of north Central Alabama on Tuesday, September 20. High rainfall rates led to isolated flash flooding. South of the MCV, slow moving showers and thunderstorms developed in an unstable airmass, resulting in isolated wind damage and flash flooding.</b>				
<b>CHEROKEE COUNTY --- 0.6 E CENTRE [34.15, -85.67]</b>				
	09/22/11 03:26 CST		0	Hail (0.88 in)
	09/22/11 03:26 CST		0	Source: Public
<b>ETOWAH COUNTY --- 0.9 SE NOCCALULA FALLS [34.04, -86.01]</b>				
	09/22/11 16:00 CST		0	Hail (0.88 in)
	09/22/11 16:00 CST		0	Source: Broadcast Media
<b>SHELBY COUNTY --- 0.7 NE VANDIVER [33.48, -86.51], 0.6 E VANDIVER [33.47, -86.51], 0.9 ENE VANDIVER [33.47, -86.50], 0.9 NE VANDIVER [33.48, -86.51]</b>				
	09/22/11 20:40 CST		0	Flash Flood (due to Heavy Rain)
	09/23/11 01:15 CST		0	Source: Public
Two feet of flowing water was reported over County Road 43.				
<b>(AL-Z024) JEFFERSON</b>				
	09/22/11 23:15 CST		0	Landslide
	09/22/11 23:15 CST		0	
Slow moving thunderstorms developed in a moist and unstable airmass and produced isolated hail and localized urban flash flooding.				
<b>ALABAMA, North</b>				
<b>(AL-Z002) COLBERT</b>				
	09/02/11 14:29 CST		0	Heat
	09/02/11 14:29 CST		0	
The temperature reached 100 degrees in Muscle Shoals.				
<b>CULLMAN COUNTY --- CRANE HILL [34.10, -87.05], 0.5 SW CRANE HILL [34.09, -87.06], 0.6 S CRANE HILL [34.09, -87.05], 0.3 ESE CRANE HILL [34.10, -87.04]</b>				
	09/05/11 09:30 CST		0	Flash Flood (due to Heavy Rain)
	09/05/11 14:15 CST		0	Source: Newspaper

## Storm Data and Unusual Weather Phenomena - September 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Flash flooding occurred due to the very heavy rainfall that moved across the area associated with the remnants of Tropical Storm Lee. The Crane Hill park was several inches under water due to the flash flooding that occurred.				

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**MARSHALL COUNTY --- ALBERTVILLE [34.27, -86.22], 0.9 WSW WHITESVILLE [34.17, -86.26], 1.8 E BOAZ [34.20, -86.14], 1.9 E SARATOGA [34.25, -86.17]**

	09/05/11 09:30 CST		15K	Flash Flood (due to Heavy Rain)
	09/05/11 14:15 CST		0	Source: Law Enforcement

Heavy rain associated with the remnants of Tropical Storm Lee produced flash flooding with several inches of water over several area roads in Albertville and Boaz. Several trees were downed in Boaz due to the saturated ground associated with the heavy rainfall.

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**JACKSON COUNTY --- SCOTTSBORO [34.67, -86.03], 0.8 SW SCOTTSBORO [34.66, -86.04], 0.7 SE SCOTTSBORO [34.66, -86.02], 0.3 E SCOTTSBORO [34.67, -86.02]**

	09/05/11 10:20 CST		0	Flash Flood (due to Heavy Rain)
	09/05/11 15:00 CST		0	Source: Emergency Manager

Several roads in downtown Scottsboro were closed due to high water from flash flooding. The flash flooding evolved into a longer term flood event across portions of Jackson County.

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**(AL-Z010) DEKALB**

	09/05/11 12:00 CST		75K	Strong Wind (MAX 35 kt)
	09/05/11 20:00 CST		0	

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**MARSHALL COUNTY --- GUNTERSVILLE [34.33, -86.25], 1.7 S MARTLING [34.35, -86.20], 1.3 WNW HUSTLERVILLE [34.33, -86.19], 0.6 S LANE [34.31, -86.23]**

	09/05/11 14:15 CST		0	Flash Flood (due to Heavy Rain)
	09/05/11 17:45 CST		0	Source: Emergency Manager

Flash flooding occurred across the Guntersville area with several inches of water over several roads.

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**JACKSON COUNTY --- SCOTTSBORO [34.67, -86.03], 0.6 SW SCOTTSBORO [34.66, -86.04], 0.6 S SCOTTSBORO [34.66, -86.03], 0.4 ESE SCOTTSBORO [34.67, -86.02]**

	09/05/11 15:00 CST		10K	Flood (due to Heavy Rain)
	09/05/11 22:30 CST		0	Source: Emergency Manager

A long term flood event in Scottsboro led to numerous roads in the city being closed due to high water. The flooding also resulted in several evacuations in the area.

**A cold front interacted with the remnants of Tropical Storm Lee to produce a sustained period of rainfall, beginning in some places during the evening of the 4th and not ending until midday or during the afternoon of the 6th. Rainfall totals of 3 to 6 inches were common area wide. The heaviest rains occurred in a swath from Cullman through Marshall, DeKalb and Jackson Counties where some places received 8 to 12 inches of rainfall. The heaviest rainfall rates were observed during the morning hours of the 5th when one half to one inch per hour rates were noted, then tapered off to a light rain by the 6th.**

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**MADISON COUNTY --- 3.0 W HUNTSVILLE [34.73, -86.67]**

	09/14/11 23:38 CST		50K	Lightning
	09/14/11 23:38 CST		0	Source: Broadcast Media

Lightning sparked a fire at the Warren House apartments in northwest Huntsville. Extensive roof damage resulted.

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**MADISON COUNTY --- 3.0 W BROWNSBORO [34.75, -86.50]**

	09/14/11 23:45 CST		10K	Lightning
	09/14/11 23:45 CST		0	Source: Amateur Radio

Lightning struck a storm spotter and amateur radio operator's home through a phone line or other source on the 200 block of Hambrick Drive. The lightning knocked out four computers and a couple of amateur radio antennas.

**A strong thunderstorm moving through northwest Huntsville produced occasional lightning that struck and damaged an apartment complex and a home in northwest Madison county, Alabama.**

**ALABAMA, Southeast**



## Storm Data and Unusual Weather Phenomena - September 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>(AL-Z065) COFFEE, (AL-Z066) DALE, (AL-Z067) HENRY, (AL-Z068) GENEVA, (AL-Z069) HOUSTON</b>				
	09/01/11 00:00 EST		0	Drought
	09/30/11 23:59 EST		0	
<p>September started with D2-D3 drought conditions (severe to extreme) across southeast Alabama. The remnants of Tropical Storm Lee brought some beneficial rain to the area during the first week of the month, and drought conditions improved to D1-D2 status (moderate to severe) across Coffee county as well as the western half of Geneva county. The remainder of the area stayed in D2-D3 status for the remainder of the month. These conditions persisted into October.</p>				
<b>COFFEE COUNTY --- 0.3 NW LOWRY MILL [31.53, -85.98]</b>				
	09/03/11 06:00 CST		0	Heavy Rain
	09/06/11 06:00 CST		0	Source: River/Stream Gage
<p>A 72 hour rainfall total of 4.40 inches was reported at the LOWA1 Lowry Mill river gauge.</p>				
<b>COFFEE COUNTY --- 1.2 ENE LEE [31.49, -86.05]</b>				
	09/03/11 06:00 CST		0	Heavy Rain
	09/06/11 06:00 CST		0	Source: River/Stream Gage
<p>A 72 hour rainfall total of 4.04 inches was reported at the BIGA1 Big Creek river gauge.</p>				
<b>GENEVA COUNTY --- GENEVA [31.03, -85.87]</b>				
	09/05/11 13:05 CST		3K	Thunderstorm Wind (EG 50 kt)
	09/05/11 13:05 CST		0	Source: County Official
<p>A few trees were blown down around the county. The monetary damage figure provided is a rough estimate.</p>				
<b>DALE COUNTY --- 0.9 SW PLEASANT HILL [31.41, -85.68]</b>				
	09/05/11 13:24 CST		3K	Thunderstorm Wind (EG 50 kt)
	09/05/11 13:24 CST		0	Source: Emergency Manager
<p>Trees and power lines were blown down in the Logan Road area around Ozark. The monetary damage figure provided is a rough estimate.</p>				
<b>DALE COUNTY --- 0.8 N OZARK [31.45, -85.64]</b>				
	09/05/11 13:35 CST		1K	Thunderstorm Wind (EG 50 kt)
	09/05/11 13:35 CST		0	Source: Emergency Manager
<p>A tree was blown down on South Union Avenue in Ozark. The monetary damage figure provided is a rough estimate.</p>				
<b>DALE COUNTY --- 0.4 SSW ARGUTA [31.57, -85.59]</b>				
	09/05/11 13:45 CST		3K	Thunderstorm Wind (EG 50 kt)
	09/05/11 13:45 CST		0	Source: Emergency Manager
<p>Trees were blown down on County Road 15 near Skipperville. The monetary damage figure provided is a rough estimate.</p>				
<b>DALE COUNTY --- 0.7 N MIDLAND CITY [31.32, -85.49]</b>				
	09/05/11 13:50 CST		0	Thunderstorm Wind (EG 52 kt)
	09/05/11 13:50 CST		0	Source: Public
<p>The public estimated winds of at least 60 mph near Highway 134 near Midland City.</p>				
<b>HOUSTON COUNTY --- 1.8 SE DOTHAN [31.20, -85.37]</b>				
	09/05/11 13:53 CST		5K	Thunderstorm Wind (EG 50 kt)
	09/05/11 13:53 CST	1	0	Source: Emergency Manager
<p>A tree was blown down onto a house with injuries on Ross Clark Circle SE. The monetary damage figure provided is a rough estimate.</p>				
<b>HENRY COUNTY --- 0.7 N ABBEVILLE [31.57, -85.25]</b>				
	09/05/11 14:14 CST		1.50K	Thunderstorm Wind (EG 50 kt)
	09/05/11 14:14 CST		0	Source: Emergency Manager
<p>Two trees were blown down near Abbeville. The monetary damage figure provided is a rough estimate.</p>				

## Storm Data and Unusual Weather Phenomena - September 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>GENEVA COUNTY --- GENEVA [31.03, -85.87]</b>				
	09/05/11 15:03 CST		3K	Thunderstorm Wind (EG 50 kt)
	09/05/11 15:03 CST		0	Source: County Official

Trees were blown down in the area from another round of storms. The monetary damage figure provided is a rough estimate.

<b>HOUSTON COUNTY --- HODGESVILLE [31.08, -85.37]</b>				
	09/05/11 17:03 CST		3K	Thunderstorm Wind (EG 50 kt)
	09/05/11 17:03 CST		0	Source: County Official

Trees were blown down around Hodgesville. The monetary damage figure provided is a rough estimate.

A fairly widespread outbreak of severe thunderstorms occurred on Labor Day across much of the NWS Tallahassee County Warning Area (CWA). This event was forced by unseasonably strong wind fields associated with a potent extra-tropical cyclone that was formerly Tropical Storm Lee. Post-tropical cyclone Lee was moving slowly toward the east-northeast along the north central Gulf Coast during the morning hours of September 5, 2011. By 3:00 pm EDT (1900 UTC), the cyclone was centered near Mobile Bay. It was at this point that the system finally began to accelerate off to the northeast. While tornadoes were initially considered to be the primary threat, examination of a special 1800 UTC KTAE sounding showed that low level winds had veered and that the flow was unidirectional through a deep layer. WFO Tallahassee coordinated with the Storm Prediction Center (SPC) to replace the existing tornado watch with a severe thunderstorm watch at 4:00 pm EDT (2000 UTC). WFO Tallahassee issued a total of 35 convective warnings during the event along with several special marine warnings. A total of 52 severe weather reports were received across southeast Alabama, southwest and south central Georgia, and the Florida panhandle and big bend.

Aside from the severe weather, the forecast area experienced other peripheral impacts from post-tropical storm Lee. Widespread storm-total rainfall of 3 to 6 inches was measured across the Florida panhandle and big bend, with 1 to 2 inch totals more common across the Alabama and Georgia portions of the CWA.

<b>HOUSTON COUNTY --- COTTONWOOD [31.05, -85.30], 3.0 ENE LOVE HILL [31.12, -85.22]</b>				
	09/21/11 14:10 CST		20K	Thunderstorm Wind (EG 60 kt)
	09/21/11 14:40 CST		0	Source: Emergency Manager

A downburst associated with a collapsing thunderstorm produced a concentrated swath of wind damage in southern Houston county stretching about 2 miles away from either side of a roughly 6.5 mile long line from Cottonwood to about 3 miles east-northeast of Love Hill. Within this area, around 18 trees were blown down along with numerous power lines down, numerous utility sheds damaged, and a few barns damaged. Trees blocked roads in the following areas: Sweetie Smith Road, 1560 Kirkland Rd., Gene Terry at Nobles, September Rd, Womack Rd, 4763 S. Rocky Creek Rd., Hickory Grove at Co. Rd. 81, 1243 E. County Rd. 8, 172 Edwin Reynolds Rd., 591 Kirkland, and 435 Rooster. Trees fell on houses in the following areas: 188 September Rd., Cottonwood RV Park, and the 700 block of September Rd. Two chainsaw teams from Houston county were activated to clear roads. No injuries were reported. Monetary damage was estimated.

<b>HOUSTON COUNTY --- 1.4 SSW PLEASANT PLAINS [31.28, -85.23]</b>				
	09/21/11 14:35 CST		0.75K	Thunderstorm Wind (EG 40 kt)
	09/21/11 14:35 CST		0	Source: Emergency Manager

A single tree blew down in the road at 5509 S. County Rd. 55. No other damage was reported in the vicinity. Radar showed an outflow boundary moving through the area with the parent thunderstorm weakening about 15 miles south of the location. Monetary damage was estimated.

<b>HOUSTON COUNTY --- 0.9 N KELLY SPRINGS [31.28, -85.45]</b>				
	09/21/11 14:40 CST		0.75K	Thunderstorm Wind (EG 40 kt)
	09/21/11 14:40 CST		0	Source: Emergency Manager

A single tree blew down and blocked one lane of the road near 2800 Horace Shepard Dr. No other damage was reported in the vicinity, and the Dothan airport located about 2.5 miles north of the location reported a peak wind gust near 30 knots. Radar showed an outflow boundary moving through the area with the parent thunderstorm weakening about 15 miles southeast of the location. Monetary damage was estimated.

<b>HOUSTON COUNTY --- 2.1 E GREEN ACRES [31.22, -85.43]</b>				
	09/21/11 15:00 CST		1K	Lightning
	09/21/11 15:00 CST		0	Source: Emergency Manager

Lightning struck a rooftop at 3117 Wesley Way. Both the monetary damage and the time of the strike were estimated.

Scattered thunderstorms developed across the area in association with a moist and unstable air mass. One storm in particular moved north into Houston county and collapsed. This collapsing thunderstorm produced severe downburst winds in a small area of southern Houston county that caused numerous trees to blow down across roads as well as damage to numerous utility sheds and a few barns.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>ALABAMA, Southwest</b>				
<b>MOBILE COUNTY --- THEODORE [30.55, -88.17], 0.2 NW THEODORE [30.55, -88.17], 0.2 W THEODORE [30.55, -88.17], 0.1 W THEODORE [30.55, -88.17]</b>				
	09/03/11 01:45 CST		0	Flash Flood (due to Heavy Rain / Tropical System)
	09/03/11 01:47 CST		0	Source: Public
Heavy rain from Tropical Storm Lee produced flooding along a portion of US Highway 90 in Theodore. Four inches of water was covering the road.				
<b>MOBILE COUNTY --- 4.7 W DAUPHIN IS [30.25, -88.20], 4.8 W DAUPHIN IS [30.25, -88.20]</b>				
	09/03/11 12:12 CST		0	Tornado (EF0, L: 0.18 mi , W: 50 yd)
	09/03/11 12:13 CST		0	Source: Public
A small tornado crossed the western-most portion of Dauphin Island. No structures or trees were affected by the brief tornado.				
<b>(AL-Z063) LOWER MOBILE</b>				
	09/03/11 18:45 CST		0	Coastal Flood
	09/03/11 18:47 CST		0	
<b>MOBILE COUNTY --- 1.7 NNW MON LOUIS [30.45, -88.11], 1.5 ENE SOUTH ORCHARD [30.48, -88.13]</b>				
	09/04/11 00:02 CST		45K	Tornado (EF1, L: 1.93 mi , W: 100 yd)
	09/04/11 00:04 CST		0	Source: NWS Storm Survey
A tornado moved onshore near the mouth of East Fowl River on Byrnewood road and tracked northwest to the end of Pioneer Road in the Bellefontaine community. The tornado produced extensive damage to trees consistent with EF-1 type damage and winds between 86 MPH and 110 MPH. Four residences and one large barn had structural damage in the area between Bay Road and Pioneer Road. Of those structures, one mobile home was almost completely destroyed from a large tree that fell on it, with minor damage to mostly roofing shingles and window panes observed with the other three homes. The barn received minor structural damage on an exterior wall with three large roll-up doors completely blown out.				
<b>BALDWIN COUNTY --- 0.7 S LILLIAN [30.39, -87.45], 0.3 WNW LILLIAN [30.40, -87.45]</b>				
	09/04/11 02:22 CST		0.20M	Tornado (EF1, L: 0.76 mi , W: 50 yd)
	09/04/11 02:25 CST		0	Source: NWS Storm Survey
The tornado moved off the Gulf of Mexico in Perdido Key, Florida and continued moving north-northwest into southeastern Baldwin county near Lillian. The tornado moved off of Perdido Bay near Spanish Cove, south of Lillian. A brick home on Clubhouse Drive was destroyed when a large tree fell on the house. A house across the street suffered roof and chimney damage. The tornado continued north-northwest into a K.O.A. campground, downing and snapping trees as well as rolling a recreation vehicle onto its side. The last location of noted damage was to trees in the Spanish Cove West subdivision.				
<b>MOBILE COUNTY --- 3.0 E MOBILE BATES FLD [30.68, -88.18]</b>				
	09/05/11 06:47 CST		2K	Thunderstorm Wind (EG 52 kt)
	09/05/11 06:49 CST		0	Source: Public
Winds estimated at 60 mph downed several large tree limbs on Zirlott Road.				
<b>MOBILE COUNTY --- 3.0 ESE MOBILE [30.68, -88.03]</b>				
	09/05/11 07:25 CST		0	Thunderstorm Wind (MG 56 kt)
	09/05/11 07:27 CST		0	Source: Department of Highways
<b>MOBILE COUNTY --- 3.0 ESE MOBILE [30.68, -88.03]</b>				
	09/05/11 07:25 CST		0	Thunderstorm Wind (MG 56 kt)
	09/05/11 07:27 CST		0	Source: Mesonet

Tropical Storm Lee began as a tropical wave in the Caribbean Sea during the last week of August. By the evening of Thursday, 1 September 2011, the tropical wave further developed into Tropical Depression 13. By 1 PM the following Friday afternoon, Tropical Depression Lee had formed. Lee slowly moved northward towards the south central Louisiana coastline by Saturday afternoon 3 September, while continuing to produce extremely heavy rainfall over portions of southern Louisiana, southern Mississippi, southern Alabama and the northwest Florida Panhandle.

The outer rain-bands of Lee produced near-continuous heavy rainfall over portions of southern Alabama, southeastern Mississippi and the northwestern Florida Panhandle by early Saturday morning and that endured through early Sunday before dry air aloft wrapped into

## Storm Data and Unusual Weather Phenomena - September 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Lee's western side. The center of Lee moved over land around sunrise Sunday, 4 September. However, it would be a while before Lee would weaken to a depression because it remained nearly stationary while the southern half of the circulation was over water where it could continue to derive additional energy from the warm ocean. The next day, Lee was eventually picked up by an upper air trough, turned northeastward and resumed a faster forward speed late in the day on Sunday, 4 September as it began its welcome exit to the northeast late Sunday through late Monday.

Lee's impacts were far reaching across our region. Although the continuous rains became somewhat intermittent as dry air wrapped into Lee from the west, this created a situation from Sunday afternoon through midday Monday whereby individual thunderstorms became more intense due to increasing levels of atmospheric instability. Stronger thunderstorms and isolated tornadoes affected the North Central Gulf Coast Region, as they formed within the detached outer spiral rain-bands well to the east of Lee's center on Sunday and finally to the southeast on Monday. The highest total storm tide levels (astronomical plus surge effects) ranged from approximately 3.5 to just barely over 5 feet.

While Lee was in the process of being picked up by a fast moving upper air trough, a series of squall lines that produced moderately widespread thunderstorm wind damage along and ahead of the surface cold front, as well as more isolated tornadoes, affected the area through late Monday afternoon. In all, some 10 to 15 inches of rain fell along coastal sections of Alabama and northwest Florida. Additionally, several weak tornadoes occurred producing modest structural and tree damage. There was also moderate beach erosion and the rip currents endured over a multi-day period. Inland flooding was exacerbated along the immediate coastal zone by higher tide levels due to Lee's surge effects which created poor to no drainage of area coastal rivers, bays and sounds on during astronomical high tide cycles from 3-5 September (late night hours each day).