

## Storm Data and Unusual Weather Phenomena - May 2007

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

MARION (AL-Z011), LAMAR (AL-Z012), FAYETTE (AL-Z013), WINSTON (AL-Z014), WALKER (AL-Z015), BLOUNT (AL-Z017), ETOWAH (AL-Z018), CALHOUN (AL-Z019), CHEROKEE (AL-Z020), CLEBURNE (AL-Z021), PICKENS (AL-Z022), TUSCALOOSA (AL-Z023), JEFFERSON (AL-Z024), SHELBY (AL-Z025), ST. CLAIR (AL-Z026), TALLADEGA (AL-Z027), CLAY (AL-Z028), RANDOLPH (AL-Z029), SUMTER (AL-Z030), GREENE (AL-Z031), HALE (AL-Z032), PERRY (AL-Z033), BIBB (AL-Z034), CHILTON (AL-Z035), MARENGO (AL-Z039)

05/01/07 00:00 CST	0	Drought
05/31/07 23:59 CST	0	

Rainfall was much below normal across Central Alabama throughout the month of May, and severe (D2) to extreme (D3) drought conditions continued to develop and spread across the area. Most stream flows reached or nearly reached record low levels, and reservoir operators struggled to fill pools to normal summer levels. Rainfall for the month was below a half inch in most areas, with some locations receiving less than one tenth of an inch of rain. By the end of May, year-to-date rainfall deficits ranged from 10 to 20 inches, with the highest deficits in the northern and northwest sections of Central Alabama. Area water utility companies enacted conservation plans. Agriculture also remained highly impacted.

#### RANDOLPH COUNTY

ROANOKE	05/12/07 17:55 CST	0	Hail (1.00 in)
	05/12/07 17:55 CST	0	33.15N, 85.35W

Thunderstorms produced isolated hail in Eastern Alabama.

COOSA (AL-Z036), TALLAPOOSA (AL-Z037), CHAMBERS (AL-Z038), DALLAS (AL-Z040), AUTAUGA (AL-Z041), LOWNDES (AL-Z042), ELMORE (AL-Z043), MONTGOMERY (AL-Z044), MACON (AL-Z045), LEE (AL-Z047), RUSSELL (AL-Z048)

05/22/07 06:00 CST	0	Drought
05/31/07 23:59 CST	0	

The severe (D2) drought conditions that developed in the north half of Alabama earlier in the Spring began to spread south. By the end of May, severe drought conditions had spread as far south as Selma, Montgomery, Tuskegee, and Phenix City.

### ALABAMA, North

LAUDERDALE (AL-Z001), COLBERT (AL-Z002), FRANKLIN (AL-Z003), LAWRENCE (AL-Z004), LIMESTONE (AL-Z005), MADISON (AL-Z006), MORGAN (AL-Z007), MARSHALL (AL-Z008), JACKSON (AL-Z009), DEKALB (AL-Z010), CULLMAN (AL-Z016)

05/01/07 00:00 CST	0	Drought
05/31/07 23:59 CST	0	

May became the month that plunged the area into a historic drought situation. The D3 status (Extreme Drought) on the U.S. Drought Monitor was retained for the entire month.

Area rivers remained at baseflow, and some reached historically low streamflows, the lowest recorded for this time of year in more than 50 years. Farm ponds experienced lowered levels as well. Some smaller creeks which typically would have water in them after a wet Spring are reported to be dry.

Lake levels on the Bear Creek lakes in northwest Alabama were well below normal. Smith Lake was at its lowest for this time of year in more than forty years, well below average.

Soil moisture was at historic lows, at the first percentile or below. Hay cutting ran behind and at a lower production rate. Non-irrigated corn in some areas was believed to be a complete loss. Overall yields were reduced and the dry conditions caused even further reductions in the expected yields. Local extension agents rated the

corn and wheat crops as "poor" to "very poor."

Extension agents also reported that cotton and soybeans were stressed due to lack of soil moisture. Pasturelands produced very low yields of hay due to lack of growth, thus farmers have been forced to reduce cattle herds.

Drought emergencies were issued by the Alabama Forestry Commission, meaning that prolonged drought conditions were creating a situation where the probability of "catastrophic" fire activity was high.

#### MARSHALL COUNTY

0.9 SE ALBERTVILLE	05/03/07 13:35 CST	0	Hail (0.75 in)
	05/03/07 13:35 CST	0	34.2608N, 86.2089W

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Penny size hail was reported.

**Isolated thunderstorms developed across the region in advance of an upper level low.**

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### DEKALB COUNTY

COLLINSVILLE	05/11/07 14:30 CST	0	0	Thunderstorm Wind (EG 50 kt)
	05/11/07 14:30 CST	0	0	34.27N, 85.87W

Thunderstorm winds downed a large tree along highway 68 that blocked the road.

**The combination of a warm moist airmass and daytime heating lead to the development of isolated thunderstorms across the region.**

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### ALABAMA, Southeast

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#### HENRY COUNTY

3.0 SE ABBEVILLE	05/12/07 18:24 CST	0	0.50K	Thunderstorm Wind (EG 50 kt)
	05/12/07 18:24 CST	0	0	31.5393N, 85.214W

Several trees down south of Abbeville on State Road 95.

**Isolated strong to severe thunderstorms affected portions of southeast Alabama during the early evening of May 12.**

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### ALABAMA, Southwest

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#### MONROE COUNTY

FRISCO CITY	05/02/07 16:20 CST	0	0	Hail (0.88 in)
	05/02/07 16:22 CST	0	0	31.43N, 87.42W

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#### MONROE COUNTY

EXCEL	05/02/07 16:25 CST	0	0	Hail (1.25 in)
	05/02/07 16:27 CST	0	0	31.43N, 87.35W

**Thunderstorms produced large hail in southwest Alabama.**

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#### LOWER BALDWIN (AL-Z064)

	05/07/07 14:40 CST	1	0	Rip Current
	05/07/07 14:40 CST	0	0	

**Strong winds over the near shore waters created dangerous rip currents and caused one death.**

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#### BALDWIN COUNTY

PERDIDO	05/11/07 13:10 CST	0	0	Hail (0.75 in)
	05/11/07 13:12 CST	0	0	31.02N, 87.63W

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#### MOBILE COUNTY

1.0 S (MOB)MOBILE BATES FL	05/11/07 15:10 CST	0	0	Hail (1.00 in)
	05/11/07 15:12 CST	0	0	30.6655N, 88.23W

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#### MOBILE COUNTY

THEODORE	05/11/07 15:22 CST	0	0	Hail (0.88 in)
	05/11/07 15:24 CST	0	0	30.55N, 88.17W

**Thunderstorms produced hail in southwest Alabama.**

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#### MOBILE COUNTY

MOBILE BROOKLEY FLD	05/12/07 18:30 CST	0	0	Hail (0.88 in)
	05/12/07 18:32 CST	0	0	30.62N, 88.05W

**Thunderstorms produced hail in southwest Alabama.**

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>BALDWIN COUNTY</b>				
BELFOREST	05/13/07 13:00 CST		60K	Lightning
	05/13/07 13:00 CST		0	30.6N, 87.85W
Lightning struck 3 houses, one of which was occupied. The other two houses were empty and for sale. The houses suffered significant smoke and water damage. No one was injured.				
<b>Lightning struck 3 houses causing significant damage.</b>				
<b>BALDWIN COUNTY</b>				
BELFOREST	05/13/07 13:20 CST		5K	Thunderstorm Wind (EG 50 kt)
	05/13/07 13:22 CST		0	30.6N, 87.85W
Thunderstorm winds downed trees in Belforest.				
<b>MOBILE COUNTY</b>				
IRVINGTON	05/13/07 14:30 CST		0	Hail (0.88 in)
	05/13/07 14:32 CST		0	30.5N, 88.23W
<b>Thunderstorms produced hail and tree damage in southwest Alabama.</b>				
<b>MOBILE COUNTY</b>				
MOBILE	05/16/07 13:15 CST		15K	Thunderstorm Wind (EG 50 kt)
	05/16/07 13:17 CST		0	30.7N, 88.08W
High winds from a thunderstorm damaged a patio on the back side of a home.				
<b>Severe thunderstorms produced wind damage in southwest Alabama.</b>				
<b>LOWER BALDWIN (AL-Z064)</b>				
	05/26/07 13:00 CST	1	0	Rip Current
	05/26/07 13:00 CST		0	
<b>Strong winds over the near shore waters created dangerous rip currents and caused one death.</b>				
<b>LOWER BALDWIN (AL-Z064)</b>				
	05/27/07 11:45 CST	1	0	Rip Current
	05/27/07 11:45 CST		0	
<b>Strong winds over the near shore waters created dangerous rip currents and caused one death.</b>				
<b>BALDWIN COUNTY</b>				
LILLIAN	05/30/07 12:15 CST		0	Flash Flood (due to Heavy Rain)
	05/30/07 13:30 CST		0	30.4N, 87.45W
Heavy rains in a short period of time caused several roads in the southeast part of the county to flood. The roads had to be closed for about an hour due to the high water. Estimates of 5 to 6 inches of rain fell across the area.				
<b>Thunderstorms produced heavy rains that created flash flooding in southwest Alabama.</b>				