

Hurricane Michael

*Assembled by Daniel J. Brouillette, Florida Climate Center
19 February 2019*

Hurricane Michael made landfall near Mexico Beach, Bay County, Florida, at around 1:30 PM EDT on 10 October 2018. Packing maximum sustained winds of 155 miles per hour, it was the strongest hurricane in the observational record (stretching back to 1851) to make landfall on the Florida panhandle by any measure and the third strongest to make landfall on the contiguous United States. Damage was catastrophic over a vast stretch of the central and eastern Florida panhandle and into portions of southwestern Georgia.

The Florida Climate Center endeavors to make a report that is Florida-specific for every tropical cyclone that makes landfall on the state. However, the staff at the National Weather Service Weather Forecast Office at Tallahassee did an excellent job preparing a Post-Tropical Cyclone Report. Although that report includes information for parts of Georgia, it would have been a duplication of effort for the Center to put out its own report. Instead, the NWS report is appended on the following pages.

If any questions arise about information described in the report, please direct them to the Center by e-mail message at climate@coaps.fsu.edu or by telephone at 850-644-0719.

720

ACUS72 KTAE 270141

PSHTAE

POST TROPICAL CYCLONE REPORT...HURRICANE MICHAEL

NATIONAL WEATHER SERVICE TALLAHASSEE FL

940 PM EDT FRI OCT 26 2018

NOTE: THE DATA SHOWN HERE ARE PRELIMINARY....AND SUBJECT TO
UPDATES
AND CORRECTIONS AS APPROPRIATE.

THIS REPORT INCLUDES EVENTS OCCURRING WHEN WATCHES AND/OR
WARNINGS
WERE IN EFFECT...OR WHEN SIGNIFICANT FLOODING ASSOCIATED WITH
MICHAEL
OR ITS REMNANTS WAS AFFECTING THE AREA.

COUNTIES INCLUDED...BAKER...BAY...BEN HILL...BERRIEN...BROOKS...
CALHOUN, FL...CLAY...COFFEE...COLQUITT...COOK...DALE...DECATUR...
DIXIE...DOUGHERTY...EARLY...FRANKLIN...GADSDEN...GENEVA...GRADY...
GULF...HENRY...HOLMES...HOUSTON...IRWIN...JACKSON...JEFFERSON...
LAFAYETTE...LANIER...LEE...LEON...LIBERTY...LOWNDES...MADISON...
MILLER...MITCHELL...QUITMAN...RANDOLPH...SEMINOLE...TAYLOR...

TERRELL...THOMAS...TIFT...TURNER...WAKULLA...WALTON...WASHINGTON...
N...
WORTH...CALHOUN, GA

A. LOWEST SEA LEVEL PRESSURE/MAXIMUM SUSTAINED WINDS AND
PEAK GUSTS

METAR OBSERVATIONS...

NOTE: ANEMOMETER HEIGHT IS 10 METERS AND WIND AVERAGING IS 2
MINUTES

LOCATION ID	MIN	DATE/	MAX	DATE/	PEAK	DATE/
LAT LON	PRES	TIME	SUST	TIME	GUST	TIME
DEG DECIMAL	(MB)	(UTC)	(DIR/KT)	(UTC)	(DIR/KT)	(UTC)

KTLH-TALLAHASSEE RGNL, FL

30.40 -84.35 989.8 10/1953 | 150/038 10/1940 | 140/062 10/1925 |

KECP-PANAMA CITY NW, FL

30.35 -85.80 982.3 10/1653 | 320/054 10/1813 | 290/079 10/1853 |

KPAM-TYNDALL AFB, FL

30.07 -85.59 922.4 10/1653 | 060/075 10/1712 | 060/121 10/1715 |

K1JO-HOLMES COUNTY, FL

30.85 -85.60 985.2 10/1757 | 020/031 10/1809 | 020/045 10/1809 |

K40J-PERRY-FOLEY, FL

30.07 -83.57 9999.9 99/9999 | 160/023 10/1835 | 210/039 10/2355 |

KAUF-APALACHICOLA MUNI, FL

29.72 -85.03 985.9 10/1653 | 170/050 10/1653 | 160/077 10/1653 |

KCTY-CROSS CITY, FL

29.62 -83.10 9999.9 99/9999 | 170/024 10/1935 | 190/039 10/2135 |

KDTS-DESTIN/FT WALTON BEACH ARPT, FL

30.40 -86.47 992.3 10/1753 | 340/036 10/1802 | 330/048 10/1818 |

KMAI-MARIANA, FL

30.80 -85.21 995.6 10/1653 | 070/026 10/1700 | 070/035 10/1518 |

KOZR-FT RUCKER/CAIRNS, AL

31.29 -85.72 988.4 10/2030 340/033 10/2003 320/052 10/2134

KDHN-DOTHAN, AL

31.32 -85.45 984.6 10/2053 330/043 10/2220 350/053 10/2121

29J-Quincy

30.59 -84.56 9999.9 99/9999 | 120/024 10/1715 | 100/036 10/1415 |

K54J-Defuniak Springs

30.73 -86.15 9999.9 99/9999 | 010/023 10/1655 | 010/034 10/1655 |

EDN-Enterprise

31.29 -85.90 9999.9 99/9999 330/024 10/2235 330/037 10/2155

LOR-Lowe AHP/Ft. Rucker

31.35 -85.75 988.6 10/2038 | 320/025 10/2243 | 320/041 10/2243 |

SXS-Shell AHP

31.36 -85.85 991.6 10/2041 | 350/031 10/2113 | 350/043 10/2232 |

17J-Donalsonville

31.00 -84.88 9999.9 99/9999 | 110/039 10/1915 | 110/058 10/1930 |

BIJ-Blakely

31.39 -84.89 9999.9 99/9999 | 070/021 10/1955 | 070/037 10/1915 |

TVI-Thomasville

30.90 -83.88 9999.9 99/9999 | 170/031 10/2215 | 170/042 10/2155 |

MGR-Moultrie

31.08 -83.80 9999.9 99/9999 170/028 11/0010 180/042 11/0115

KVLD-VALDOSTA, GA

30.79 -83.28 998.4 10/2353 170/030 10/2251 160/041 10/2236

KVAD-VLDOSTA/MODY AFB, GA

30.97 -83.20 996.9 10/2300 190/029 11/0158 170/042 10/2342

KTMA-TIFTON, GA

31.43 -83.49 9999.9 99/9999 160/033 11/0115 180/051 11/0235

FZG-Fitzgerald

31.68 -83.27 9999.9 99/9999 | 180/032 11/0315 | 170/040 11/0235 |

KABY-ALBANY MUNICIPAL, GA

31.54 -84.18 983.5 10/2253 | 120/045 10/2335 | 110/064 10/2330 |

REMARKS:

NON-METAR OBSERVATIONS...

NOTE: ANEMOMETER HEIGHT IN METERS AND WIND AVERAGING PERIOD
IN

MINUTES INDICATED UNDER MAXIMUM SUSTAINED WIND IF KNOWN

LOCATION ID MIN DATE/ MAX DATE/ PEAK DATE/
LAT LON PRES TIME SUST TIME GUST TIME
DEG DECIMAL (MB) (UTC) (DIR/KT) (UTC) (DIR/KT) (UTC)

FSU Panama City WeatherStem

30.18 -85.72 956.6 10/1721 | 999/999 99/9999 999/101 10/1716 |

Domi Station - WeatherStem

30.43 -84.29 989.4 10/2131 999/999 99/9999 999/041 99/9999

FAMU Developmental Research School WeatherStem

30.41 -84.29 993.6 10/2115 999/999 99/9999 999/045 10/1900

Florida State University WeatherStem

30.43 -84.30 993.5 10/2116 | 999/999 99/9999 999/049 10/1825 |

Tallahassee Community College WeatherStem

30.44 -84.34 988.0 10/2116 | 999/999 99/9999 999/049 10/2024 |

Ballard Partners WeatherStem

30.44 -84.28 989.4 10/2135 | 999/999 99/9999 999/055 10/1911 |

Apalachee Regional Park - WeatherStem

30.42 -84.15 993.6 10/2135 | 999/999 99/9999 999/044 10/1944 |

Challenger Learning Center WeatherStem

30.44 -84.28 993.5 10/1850 | 999/999 99/9999 999/047 10/1850 |

Conley Elementary School WeatherStem

30.41 -84.22 988.0 10/2116 | 999/999 99/9999 999/046 10/1938 |

Florida State University Schools WeatherStem

30.38 -84.22 990.2 10/2116 | 999/999 99/9999 999/045 10/1926 |

Lee County High School WeatherStem

31.73 -84.16 985.5 10/2102 | 999/999 99/9999 999/044 10/2305 |

UGA Tifton WeatherStem

31.47 -83.53 990.5 11/1939 | 999/999 99/9999 999/044 11/2420 |

SunBelt Ag Expo WeatherStem

31.13 -83.71 990.0 10/2345 | 999/999 99/9999 999/038 10/2305 |

Jefferson County EOC WeatherStem

30.50 -83.88 992.9 10/2102 | 999/999 99/9999 999/042 10/2221 |

Holmes County High School WeatherStem

30.78 -85.69 985.5 10/1819 | 999/999 99/9999 999/038 10/1741 |

Emerald Coast Middle School WeatherStem

30.35 -86.11 993.5 10/1819 | 999/999 99/9999 999/033 10/1742 |

Wakulla High School WeatherStem

30.10 -84.38 993.6 10/1819 | 999/999 99/9999 999/046 10/1536 |

St. George Island Bridge WeatherStem

29.65 -84.88 993.6 10/1616 | 999/999 99/9999 999/070 10/1612 |

FSU Coastal and Marine Lab WeatherStem

29.91 -84.51 991.8 10/1721 | 999/999 99/9999 999/036 10/1745 |

Gulf County EOC WeatherStem

29.81 -85.29 969.8 10/1721 | 999/999 99/9999 999/066 10/1641 |

Port St. Joe Elementary School WeatherStem

29.79 -85.29 986.3 10/1506 | 999/999 99/9999 999/098 10/1637 |

Deane Bozeman School WeatherStem

30.39 -85.69 975.9 10/1722 | 999/999 99/9999 999/037 10/1602 |

Alapaha , GA (Berrien County)

32.34 -83.24 993.8 11/0030 999/022 11/0245 999/043 99/9999

Albany USMC Base (Dougherty County, GA)

31.55 -84.05 976.3 11/0015 999/026 11/0000 999/057 99/9999

03/99

Arlington (Baker County, GA)

31.35 -84.63 956.5 10/2215 999/021 10/2315 999/046 999/999

03/99

Attapulgus (Decatur County, GA)

30.76 -84.48 980.0 10/2030 999/026 10/2115 999/060 10/9999

03/99

Cairo (Grady County, GA)

30.86 -84.23 985.6 10/2115 999/033 10/2130 999/058 10/9999

03/99

Camilla (Mitchell County, GA)

31.28 -84.29 976.7 10/2230 999/026 10/2245 999/064 10/9999

03/99

Dawson (Terrell County, GA)

31.75 -84.44 970.8 11/0000 999/024 10/2245 999/055 10/9999

03/99

Dawson HHREC (Terrell County, GA)

31.73 -84.39 967.2 11/0000 999/032 10/2300 999/060 10/9999

03/99

Dixie (Brooks County, GA)

30.79 -83.67 993.4 10/2315 999/021 10/2200 999/041 10/9999

03/99

Donalsonville Airport (Seminole County, GA)

31.01 -84.88 947.5 10/2045 999/056 10/2030 999/100 10/9999

03/99

Ducker (Albany State University Dougherty County, GA)

31.53 -84.37 965.6 10/2330 999/013 10/2345 999/039 10/9999

03/99

Georgetown (Quitman County, GA)

31.77 -85.06 984.0 10/2245 999/021 10/2345 999/044 99/9999

03/99

Moultire (Colquitt County, GA)

31.14 -83.72 990.4 10/2315 999/026 10/2215 999/049 10/9999

03/99

Sasser (Terrell County, GA)

31.70 -84.37 966.7 11/0000 999/029 10/2245 999/060 10/9999
03/99

Seminole State Park (Seminole County, GA)

30.80 -84.88 958.3 10/2000 999/025 10/2000 999/069 10/9999
03/99

Shellman (Randolph County, GA)

31.74 -84.61 973.3 10/2330 999/029 10/2230 999/055 10/9999
03/99

Steam Mill (Seminole County, GA)

30.96 -84.95 949.8 10/2030 999/035 10/1915 999/072 10/9999
03/99

Tifton (Tift County, GA)

31.49 -83.53 987.7 11/0100 999/034 11/0045 999/058 11/9999
03/99

Tifton-Bowen (Tift County, GA)

31.48 -83.44 990.6 11/0115 999/023 10/2345 999/046 99/9999
03/99

Ty Ty (Tift County, GA)

31.50 -83.65 986.1 11/0030 999/021 10/2330 999/052 99/9999

03/99

Newton (Baker County, GA)

31.22 -84.48 968.2 10/2200 999/017 10/2200 999/041 10/9999

03/99

FCMP T2 - Beacon Hill (Gulf County)

29.91 -85.38 9999.9 99/9999 190/084 10/1726 226/110 10/1751

15/05

FCMP T3 Tyndall AFB (Bay County)

30.02 -85.53 9999.9 99/9999 080/075 10/1658 078/113 10/1653

15/05

St. Andrews Bay - Panama City (Bay County)

30.13 -85.72 9999.9 99/9999 021/065 10/1652 021/087 10/1652

09/05

St. George Island - Eastpoint (Franklin County)

29.66 -84.86 9999.9 99/9999 172/059 10/1714 166/071 10/1747

15/01

Panama City Beach (Bay County)

30.22 -85.88 9999.9 99/9999 340/050 10/1752 334/065 10/1755

15/01

REMARKS: GEORGIA WEATHERNET SITES SUSTAINED WINDS ARE
BASED ON A 15
MINUTE AVERAGE AND SITES INCLUDE ALAPHA, ALBANY (USMC BASE),
ARLINGTON, ATTAPULGUS, CAIRO, CAMILLA, DAWSON, DAWSON HHERC,
DIXIE,
DONALSONVILLE AIRPORT, DUCKER (ALBANY STATE UNIVERSITY),
GEORGETOWN,
MOULTRIE, NEWTON, SASSER, SEMINOLE STATE PARK, SHELLMAN,
STEAM MILL,
TIFTON, TIFTON-BOWEN, AND TY TY. GEORGIA WEATHERNET SITES
SUSTAINED
WINDS ARE BASED ON A 15 MINUTE AVERAGE AND SITES INCLUDE
ALAPHA,
ALBANY (USMC BASE), ARLINGTON, ATTAPULGUS, CAIRO, CAMILLA,
DAWSON,
DAWSON HHERC, DIXIE, DONALSONVILLE AIRPORT, DUCKER (ALBANY
STATE
UNIVERSITY), GEORGETOWN, MOULTRIE, NEWTON, SASSER, SEMINOLE
STATE
PARK, SHELLMAN, STEAM MILL, TIFTON, TIFTON-BOWEN, AND TY TY.

WEATHERFLOW DATA INCLUDED: FCMP T2, TCMP T3, ST. ANDREWS
BAY, ST.

GEORGIA ISLAND (EASTPOINT), AND PANAMA CITY BEACH.

B. MARINE OBSERVATIONS...

NOTE: ANEMOMETER HEIGHT IN METERS AND WIND AVERAGING PERIOD
IN
MINUTES INDICATED UNDER MAXIMUM SUSTAINED WIND IF KNOWN

LOCATION ID MIN DATE/ MAX DATE/ PEAK DATE/
LAT LON PRES TIME SUST TIME GUST TIME
DEG DECIMAL (MB) (UTC) (DIR/KT) (UTC) (DIR/KT) (UTC)

42039

28.78 -86.01 977.5 10/0950 | 120/054 10/0950 | 110/066 10/0946 |
05/01

SGOF1

29.41 -84.86 990.6 10/1700 180/060 10/1610 170/075 10/1550
35/10

KTNF1

29.82 -83.59 1000.7 10/2100 170/036 10/2140 160/050 10/1944
10/10

SHPF1

30.06 -84.29 993.5 10/1948 170/047 10/1918 160/066 10/1806
06/99

APXF1

29.79 -84.88 989.0 10/1730 | 160/043 10/1730 | 999/999 99/9999 |
05/99

APCF1

29.73 -84.98 985.3 10/1748 200/054 10/1718 200/069 10/1724
07/99

PACF1

30.15 -85.67 937.5 10/1748 020/062 10/1718 | 020/093 10/1718 |
08/99

PCBF1

30.21 -85.88 972.6 10/1748 300/053 10/1906 300/070 10/1854
09/99

REMARKS: 42039 SENSOR FAILED AFTER 10/0950 UTC OBSERVATION.

APXF1

SENSOR FAILED AFTER 10/2045 UTC OBSERVATION. PACF1 WIND

SENSOR

FAILED AFTER 10/17818 UTC OBSERVATION.

31.26 -85.11

1 SW SCOTTS FERRY CALHOUN 5.05

30.29 -85.14

SUMATRA LIBERTY 4.89

30.02 -84.99

STARCKSVILLE LEE 4.77

31.78 -84.14

1 ESE SANBORN WAKULLA 4.71

30.07 -84.59

2 S PHILEMA LEE 4.56

31.73 -84.02

1 NNE GERALD DALE 4.50

31.33 -85.75

2 SSE BLOXHAM LEON 4.48

30.36 -84.61

MITCHELL CO A/P MITCHELL 4.11

31.21 -84.24

ELMODEL WMA	BAKER	4.05
31.35 -84.48		
2 E CHASON	CALHOUN	4.02
30.53 -85.17		
2 SSE WEWAHITCHKA	GULF	3.89
30.09 -85.18		
1 WNW HANCHEY FIELD	DALE	3.87
31.35 -85.67		
3 WNW JORDAN PLACE	LEE	3.86
31.76 -84.25		
1 WSW CHATTAHOOCHEE	JACKSON	3.70
30.70 -84.86		
3 NE ALPINE HEIGHTS	WALTON	3.57
30.78 -86.18		
2 NW TALLAHASSEE MALL	LEON	3.56
30.49 -84.31		

HOGGARD MILL	BAKER	3.49
31.22 -84.47		
1 SW ATTAPULGUS	DECATUR	3.42
30.74 -84.50		
2 SSE HOPEWELL	MADISON	3.37
30.36 -83.43		
TALLAHASSEE INTERNATION	LEON	3.34
30.39 -84.35		
4 SSW DAWESVILLE	THOMAS	3.21
30.88 -84.05		
1 NE HILLSDALE	TIFT	3.08
31.48 -83.58		
BAINBRIDGE	DECATUR	2.98
30.91 -84.58		
2 WSW IRWINVILLE	IRWIN	2.85
31.63 -83.42		
5 S HOGGARD MILL	MITCHELL	2.85

31.14 -84.48

3 S NEW BROCKTON COFFEE 2.81

31.34 -85.93

1 W RALFORD GREENWAY LEON 2.79

30.44 -84.19

4 N BRINSON DECATUR 2.79

31.04 -84.74

1 S NEWTON BAKER 2.72

31.31 -84.34

2 NW EAST ALBANY DOUGHERTY 2.68

31.59 -84.14

COOKS HAMMOCK LAFAYETTE 2.64

29.93 -83.28

2 SSW CHASTAIN THOMAS 2.55

31.00 -83.94

1 SSW FOX HILL WALTON 2.47

30.81 -86.30

SHELL ARMY FIELD COFFEE 2.45
31.36 -85.85

EUNOLA GENEVA 2.36
31.04 -85.85

2 NE FENHOLLOWAY TAYLOR 2.35
30.10 -83.47

2 NW PANACEA-WAKULLA AI WAKULLA 2.24
30.01 -84.42

1 SSE OLD TOWN DIXIE 2.16
29.59 -82.98

2 NE TIFTON TIFT 2.14
31.47 -83.49

1 S SPEARS GENEVA 2.08
31.13 -85.98

2 SE PLUM ORCHARD WAKULLA 2.08
30.13 -84.13

1 NNE THOMAS CITY JEFFERSON 2.07
30.37 -83.97

2 S ADEL COOK 2.05
31.11 -83.43

1 E LEE COFFEE 2.04
31.49 -86.05

5 NE EMPRESS BROOKS 2.00
30.73 -83.52

REMARKS:

D. INLAND FLOODING...

BAY... RECORD FLOODING ON ECONFINA CREEK AT STATE ROAD 20.
WATER
SURFACE HEIGHT OF 26.17 FT NAVD88. SR-20 BRIDGE OVERTOPPED.

CALHOUN, FL...MODERATE RIVER FLOODING ON CHIPOLA RIVER NEAR
ALTHA.

STAGE READING OF 23.72 FT. IMPACTS TO A FEW HOMES DOWNSTREAM FROM THE GAUGE. SIGNIFICANT DAMAGE TO FISH CAMPS ALONG THE RIVER.

E. MAXIMUM STORM SURGE AND STORM TIDE...
OFFICIAL TIDE GAUGES NOTED WITH LEADING G

COUNTY	CITY/TOWN OR LOCATION	SURGE (FT)	TIDE (FT)	DATE/ TIME	BEACH EROSION
FRANKLIN	G APALACHICOLA	8.50	7.72	10/1812	UNKNOWN
BAY	G PANAMA CITY BEA	4.31	3.86	10/1548	UNKNOWN I
BAY	G PANAMA CITY	5.60	5.31	10/1806	UNKNOWN I
JEFFERSON	NUTALL RISE	-9999.00	7.30	10/2000	UNKNOWN
TAYLOR	STEINHATCHEE	-9999.00	5.26	10/2100	UNKNOWN
WAKULLA	SHELL POINT	-9999.00	8.28	10/1900	MODERATE

WAKULLA SPRING CREEK -9999.00 6.69 10/1700 UNKNOWN I

Wakulla SAINT MARKS -9999.00 5.53 10/1800 UNKNOWN I

GULF WHITE CITY -9999.00 5.21 10/1930 UNKNOWN

WAKULLA CURTIS MILL -9999.00 6.57 10/2000 UNKNOWN

REMARKS: STORM TIDE VALUE IS IN MHHW DATUM. USGS STORM
SURGE SENSOR
INFORMATION - PEAK WATER LEVEL RELATIVE TO NAVD88 AND ABOVE
GROUND

LEVEL (AGL) - PRELIMINARY DATA AND SUBJECT TO CHANGE.

SEASIDE BEACH (WALTON).....8.81 FT NAVD88 0.86 FT AGL

SANTA CLARA BEACH (WALTON).....8.22 FT NAVD88 1.73 FT AGL

MEXICO BEACH (BAY).....15.55 FT NAVD88 10.26 FT AGL

CAPE SAN BLAS (GULF).....7.76 FT NAVD88 N/A

APALACHICOLA (FRANKLIN).....8.22 FT NAVD88 2.90 FT AGL

ST GEORGE ISLAND SP (FRANKLIN).....7.73 FT NAVD88 1.77 FT AGL

ALLIGATOR POINT (FRANKLIN).....8.67 FT NAVD88 1.29 FT AGL

OCHLOCKONEE BAY (WAKULLA).....8.42 FT NAVD88 4.60 FT AGL

ST MARKS BOAT RAMP (WAKULLA).....9.06 FT NAVD88 8.70 FT AGL

ECONFINA STATE PARK (TAYLOR).....8.75 FT NAVD88 6.64 FT AGL

SPRING WARRIOR (TAYLOR).....8.26 FT NAVD88 5.80 FT AGL

KEATON BEACH (TAYLOR).....7.71 FT NAVD88 5.95 FT AGL

STEINHATCHEE (TAYLOR).....6.78 FT NAVD88 5.78 FT AGL

HORSESHOE BEACH (DIXIE).....6.20 FT NAVD88 2.77 FT AGL

SHIRED ISLAND (DIXIE).....5.93 FT NAVD88 4.19 FT AGL

USING AVAILABLE OBSERVATIONS, HIGH WATER MARKS FROM USGS
AND NWS

FIELD SURVEY TEAMS, AND A POST LANDFALL HINDCAST SIMULATION
OF

SLOSH, PRELIMINARY PEAK STORM SURGE INUNDATION IS ESTIMATED
TO BE:

FROM MEXICO BEACH TO INDIAN PASS.....9 TO 14 FEET

FROM INDIAN PASS TO LANARK VILLAGE.....6 TO 9 FEET

FROM LANARK VILLAGE TO ECONFINA STATE PARK....9 TO 11 FEET

FROM ECONFINA STATE PARK TO STEINHATCHEE.....6 TO 8 FEET

FROM STEINHATCHEE TO SUWANNEE RIVER.....4 TO 6 FEET

F. TORNADOES...

(DIST)CITY/TOWN COUNTY DATE/ EF SCALE
LAT LON (DEG DECIMAL TIME(UTC) (IF KNOWN)
DESCRIPTION

G. STORM IMPACTS BY COUNTY...

COUNTY DEATHS INJURIES EVACUATIONS
DESCRIPTION

FRANKLIN 0 0 9000

80 HOMES WERE DESTROYED ACROSS THE COUNTY INCLUDING 50 ON ST. GEORGE ISLAND AND 10 ON DOG ISLAND. APPROXIMATELY \$30 MILLION IN DAMAGES WAS DONE TO HOMES. 13 DERELICT VESSLES WERE REPORTED. 80% OF COUNTY RESIDENTS WERE ESTIMATED TO HAVE EVACUATED AND BASED ON POPULATION

DAMAGE. TYNDALL ELEMENTARY SCHOOL SUSTAINED SEVERE
DAMAGE. ACROSS
THE COUNTY, AT LEAST 45,108 STRUCTURES WERE DAMAGED WITH
1,552
DESTROYED. 138 CARS WERE DERAILED ON THE BAYLINE RAILROAD.
162
DERELICT VESSELS WERE REPORTED ACROSS THE COUNTY. THE LYNN
HAVEN
POLICE DEPARTMENT BUILDING LOST ITS ROOF. 330 PATIENTS WERE
EVACUATED FROM TWO AREA HOSPITALS, BOTH OF WHICH SUSTAINED
ROOF
DAMAGE. 1,714 PERSONS SHELTERED AT PEAK. 71K ACRES OF
FORESTED AREA
WAS CLASSIFIED IN THE CATASTRPOHIC CATEGORY (95% OF TIMBER IN
CATASTROPHIC AREA WAS DAMAGED). 119K ACRES OF FORESTED
AREA WAS
CLASSIFIED IN THE SEVERE CATEGORY (75% OF TIMBER DAMAGED IN
SEVERE
AREA). 91K ACRES OF FORESTED AREA WAS CLASSIFIED IN THE
MODERATE
DAMAGE AREA (15% OF TIMBER IN MODERATE AREA WAS DAMAGED).
DAMAGE
ASSESSMENTS ARE STILL ONGOING.

NUMEROUS REPORTS OF TREES AND POWER LINES DOWN, ALSO
REPORTS OF
STRUCTURAL DAMAGE OF RESIDENTIAL AND COMMERCIAL BUILDINGS.
2009
STRUCTURES RECEIVED MINOR DAMAGE...1223 MAJOR DAMAGE AND
985 WERE
DESTROYED. 125K ACRES OF FORESTED AREAS WERE CLASSIFIED AS
CATASTROPHIC (95% OF TIMBER DAMAGED IN CATASTROPHIC AREA)
DAMAGE TO
TIMBER. 141K ACRES OF FORESTED AREA WAS CLASSIFIED AS SEVERE
DAMAGE
(75% OF TIMBER DAMAGED IN SEVERE AREA). DAMAGE ASSESSMENTS
ARE
ONGOING.

CALHOUN, FL

NUMEROUS REPORTS OF SNAPPED TREES AND DOWNED POWERLINES
IN
BLOUNTSTOWN AND ACROSS THE COUNTY. NEARLY 100% OF THE
COUNTY LOST
POWER. APPROX. 151K ACRES OF FORESTED AREA WAS CLASSIFIED IN
THE

CATASTROPHIC DAMAGE CATEGORY (95% OF TIMBER DAMAGED IN CATASTROPHIC AREA). APPROX. 173K ACRES OF FORESTED AREA WAS AFFECTED BY MODERATE DAMAGE (75% OF TIMBER DAMAGED IN SEVERE AREA). DAMAGE ASSESSMENTS ARE ONGOING.

LEON 0 0 1500

NUMEROUS TREES AND POWER LINES DOWN IN TALLAHASSEE AND ACROSS THE COUNTY WITH WIDESPREAD POWER OUTAGES. TWENTY FIVE RESIDENTAL STRUCTURES WERE DESTROYED, 243 SUSTAINED MAJOR DAMAGE, 657 SUSTAINED MINOR DAMAGE AND 240 OTHERS WERE AFFECTED. THE COUNTY CLEARED 1100 ROADWAYS WITH 200 ROADS CLEARED IN THE CITY. 43,000 TONS (OR 3000 TRUCKLOADS) OF DEBRIS WAS COLLECTED IN THE COUNTY. 10 DISASTER RELIEF CENTERS WERE OPENED. AT COUNTY SITES, OVER 500,000 BOTTLES OF

WATER, MORE THAN 7,000 BAGS OF ICE AND MORE THAN 70,000 SAND BAGS WERE DISTRIBUTED. 113,237 CITY OF TALLAHASSEE CUSTOMERS WERE WITHOUT POWER. PUBLIC ASSISTANCE COSTS WERE ESTIMATED AROUND \$40.5 MILLION. 1500 PEOPLE WERE SHELTERED WITH 200 PETS. 154K FORESTED ACRES WERE CLASSIFIED AS MODERATE DAMAGE (15% OF TIMBER DAMAGED IN MODERATE AREAS).

JACKSON	3	200
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NUMEROUS REPORTS OF DAMAGE IN MARIANA INCLUDING DAMAGE TO INSTITUTIONAL LEVEL BUILDINGS, ALONG WITH DOWN POWER LINES AND DOWN TREES. 400 BUILDINGS WERE DESTROYED AND 600 OTHERS SUFFERED MAJOR DAMAGE INCLUDING THE SHERIFFS OFFICE. 100 PERCENT OF CUSTOMERS LOST POWER DURING THE HURRICANE. 200 PEOPLE WERE SHELTERED. GUST OF 89 KNOTS OR 102 MPH AT KMAI MARIANNA AIRPORT IN JACKSON COUNTY IN THE

NORTHERN EYEWALL. 296K FORESTED ACRES WERE CLASSIFIED AS SEVERE DAMAGE (75% OF TIMBER DAMAGED IN SEVERE AREAS). 99K FORESTED ACRES WERE CLASSIFIED AS MODERATE DAMAGE (15% OF TIMBER WAS DAMAGED IN MODERATE AREAS). DAMAGE ASSESSMENTS ARE ONGOING.

WAKULLA	0	0	0
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ONE VESSEL DESTROYED AT PANACEA. PRELIMINARY DAMAGE ASSESSMENT HAD 251 RESIDENTIAL STRUCTURES AND 24 BUSINESSES AFFECTED BY THE STORM.

OF THESE, 18 RESIDENCES WERE CONSIDERED DESTROYED AND 171 RESIDENCES

EXPERIENCED MAJOR DAMAGE FROM THE STORM. TOTAL ESTIMATED DAMAGE IS

\$13.59 MILLION. 203K ACRES OF FORESTED AREA WAS CLASSIFIED AS MODERATE DAMAGE (15% OF TIMBER WAS DAMAGED IN MODERATE AREAS).

DAMAGE ASSESSMENTS ARE ONGOING.

SEMINOLE	1	0	0
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MESONET SITE FROM GEORGIAWEATHER IN DONALSONVILLE
MEASURED WIND GUST
OF 115 MPH. 100 PERCENT OF CUSTOMERS LOST POWER. 99% OF
HOMES
SUSTAINED AT LEAST SOME DAMAGE. CATASTROPHIC DAMAGE TO
TIMBER STANDS
WITH SOME AREAS HAVING 95% OF TIMBER DAMAGED PER ACRE. MOST
OF THE
COTTON CROP IS A TOTAL LOSS. DAMAGE ASSESSMENTS ARE
ONGOING.

DALE 0 0 123

3 HOMES RECEIVED MINOR DAMAGE. 35-45 TREES WERE DOWN. ECHO,
AL AREA
HAD WIDESPREAD POWER OUTAGES WITH MORE SPORADIC OUTAGES
ACROSS THE
REMAINDER OF THE COUNTY. THERE WERE VOLUNTARY EVACUATIONS
WITH 123
EVACUEES IN SHELTERS...MANY OF WHICH WERE FROM OUTSIDE THE
COUNTY.

DOUGHERTY 0 0 400

MULTIPLE REPORTS OF TREES DOWN IN ALBANY. 3,003 RESIDENTAL

STRUCTURES SUSTAINED AT LEAST SOME DAMAGE WITH 1,701 OF THESE MINOR, 532 MAJOR AND 49 TOTALLY DESTROYED. THERE WAS 300,000 CUBIC YARDS OF DEBIS IN THE UNINCORPORATED PORTION OF THE COUNTY. SOME OF THE PECAN ORCHARDS WERE COMPLETELY DESTROYED AND SEVERE DAMAGE WAS NOTED TO THE TIMBER STANDS. 100 PERCENT OF CUSTOMERS LOST POWER DURING THE EVENT. APPROXIMATELY 400-500 PEOPLE WERE SHELTERED. A DOZEN INJURIES WERE SUSTAINED DURING STORM CLEAN UP. ASSESSMENTS ARE ONGOING.

MITCHELL	1	0	0
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100% OF CUSTOMERS LOST POWER DURING THE STORM. 84 CHICKEN HOUSES WERE BLOWN DOWN. THERE WAS SIGNIFICANT AGRICULTURAL LOSS TO TIMBER, COTTOM AND PECAN GROVES. DAMAGE ASSESSMENTS ARE ONGOING.

THOMAS	0	0	0
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THREE HOMES WERE DESTROYED...17 SUFFERED MAJOR DAMAGE...11 SUSTAINED

MINOR DAMAGE AND SEVERAL OTHERS WERE ALSO AFFECTED.

LOWNDES 0 0 0

SIX HOMES SUSTAINED MINOR DAMAGE. 50 TREES WERE DOWNED.

10,000

CUSTOMERS WERE WITHOUT POWER. DAMAGE ESTIMATE IS AROUND \$300,000

TIFT 0 0 1000

SIX HOMES WERE DESTROYED, 30 SUSTAINED MAJOR DAMAGE, AND 100

RECEIVED MINOR DAMAGE. SEVERAL BUSINESSES WERE ALSO IMPACTED. TOTAL

CROP DAMAGE WAS ESTIMATED AT \$21 MILLION (EXCLUDING TIMBER).

DEBRIS

CLEAN UP COSTS WERE ESTIMATED AROUND \$300,000. 95% OF

CUSTOMERS LOST

POWER.

IRWIN 0 0 0

REPORTS OF NUMEROUS TREES AND POWER LINES DOWN. MINOR RESIDENTAL DAMAGE. 75% OF CUSTOMERS LOST POWER. APPROXIMATELY 25-30 RESIDENTS UTILIZED COMFORT STATIONS. DAMAGE ASSESSMENTS ARE ONGOING.

LIBERTY 1 3 1600

17 STRUCTURES WERE DESTROYED...42 SUSTAINED MAJOR DAMAGE AND 2343 SUSTAINED MINOR DAMAGE. THERE WAS OVER 1 MILLION CUBIC YARDS OF DEBRIS (NOT INCLUDING THOSE IN THE FOREST). 100 PERCENT OF CUSTOMERS LOST POWER. APPROXIMATELY 20-25% OF RESIDENTS EVACUATED WHICH IS ABOUT 1600 RESIDENTS BASED ON THE POPULATION. 450 PEOPLE WERE HOUSED IN SHELTERS. 255K FORESTED ACRES WERE CLASSIFIED AS SEVERE DAMAGE (75% OF TIMBER DAMAGED IN SEVERE AREA). 261K FORESTED ACRES WERE CLASSIFIED AS MODERATE DAMAGE (15% OF TIMBER DAMAGED IN MODERATE AREAS). DAMAGE ASSESSMENTS ARE ONGOING.

GRADY 0 0

100 PERCENT OF CUSTOMERS WERE WITHOUT POWER...SOME OF THESE OUTAGES LASTING UP TO 2 WEEKS. THERE WAS SUBSTANTIAL LOSS TO COTTON AND PECAN CROPS. NUMBER OF EVACUATIONS IS UNKNOWN, HOWEVER 200 INDIVIDUALS USED A COMFORT STATION OVERNIGHT. DAMAGE ASSESSMENTS ARE ONGOING.

MILLER 0 0 165

100 PERCENT OF CUSTOMERS LOST POWER DURING THE STORM. THERE WAS A VOLUNTARY EVACUATION OF MOBILE HOMES AND SUBSTANDARD HOUSING. 165 PEOPLE WERE SHELTERED. 80% OF HOMES WERE ESTIMATED TO HAVE RECEIVED DAMAGE. CATASTROPHIC DAMAGE WAS SUSTAINED TO TIMBER STANDS WITH SOME AREAS SEEING 95% TIMBER DAMAGED PER ACRE. MOST OF THE COTTON CROP WAS LOST. DAMAGE ASSESSMENT IS ONGOING.

BAKER 0 0

47 HOMES RECEIVED DAMAGE. SEVERE DAMAGE WAS SUSTAINED TO
TIMBER
STANDS. 100 PERCENT OF CUSTOMERS LOST POWER WITH SOME ALSO
LOSING
WATER. ONE INDIRECT INJURY WAS SUSTAINED TO A MALE USING A
CHAINSAW
DURING RECOVERY. DAMAGE ASSESSMENTS ARE ONGOING.

EARLY 0 1 103

ESTIMATED 30 HOMES ARE UNINHABITABLE DUE TO TREE DAMAGE. IN
ADDITION...COTTON AND PEANUT CROPS SUSTAINED SIGNIFICANT
DAMAGE.
CATASTROPHIC DAMAGE TO TIMBER STANDS WITH SOME AREAS IN THE
EASTERN
AND SOUTHERN PARTS OF THE COUNTY HAVING 95% OF THE TIMBER
DAMAGED
PER ACRE. 100 PERCENT OF CUSTOMERS WERE WITHOUT POWER
DURING THE
STORM. ONE FEMALE WAS INJURED WHEN A TREE FELL ON A HOUSE. A
VOLUNTARY EVACUATION ORDER WAS ISSUED AND 103 INDIVIDUALS
USED THE

COMFORT STATION THAT WAS OPENED.

DECATUR 0 0 30

DAMAGE TO MANY HOMES. CATASTROPHIC DAMAGE WAS SUSTAINED TO TIMBER STANDS WITH SOME AREAS IN THE WESTERN PART OF THE COUNTY SEEING 95% OF TIMBER DAMAGED PER ACRE. 100 PERCENT OF CUSTOMERS LOST POWER DURING THE EVENT. VOLUNTARY EVACUATION ORDERS WERE IN PLACE WITH 30 PEOPLE IN LOCAL SHELTERS. DAMAGE ASSESSMENTS ARE ONGOING.

HOUSTON 0 0 0

EXTENSIVE DAMAGE WAS SUSTAINED IN LUCY, PANSEY, SOUTHERN JUNCTION, GORDON, MADRID, COTTONWOOD, ASHFORD, AND COLUMBIA. OUTAGES PEAKED AT 24,000 CUSTOMERS IN THE CITY OF DOTHAN WITH AN ADDITIONAL 10,000 ALABAMA POWER CUSTOMERS THAT LOST POWER IN THE COUNTY. DAMAGE ASSESSMENTS ARE ONGOING.

GENEVA 0 0 0

4 HOMES WERE DESTROYED, 12 HOMES SUSTAINED MAJOR DAMAGE AND 100 OTHER HOMES WERE AFFECTED. WIDESPREAD POWER OUTAGES WERE OBSERVED WITH 5,200 ALABAMA CUSTOMERS LOSING POWER. ONE PERSON HAD TO EVACUATE THEIR HOME DUE TO DAMAGE.

HENRY 0 0

25 TO 30 HOMES WERE DAMAGED WITH TWO TO THREE DESTROYED. THE COTTON CROP SUSTAINED TOTAL DEVASTATION. 100 PERCENT OF COUNTY RESIDENTS LOST POWER.

WALTON 0 0 500

30 HOMES DAMAGED. 500 PEOPLE WERE SHELTERED DURING THE STORM. DAMAGE ESTIMATE COST OF \$500,000 BUT ASSESSMENTS ARE STILL ONGOING.

HOLMES 0 0 220

100 PERCENT OF THE COUNTY WAS WITHOUT POWER. 220 HOLMES COUNTY RESIDENTS AND 12 NON-COUNTY RESIDENTS WERE SHELTERED. 29K FORESTED ACRES WERE CLASSIFIED AS MODERATE DAMAGE (15% OF TIMBER WAS DAMAGED IN MODERATE AREA). ASSESSMENT IS STILL ONGOING.

WASHINGTON 0 0

89 HOMES WERE DAMAGED. 99-100% OF CUSTOMERS LOST POWER. 85% OF COTTON CROPS AND 50% OF PEANUT CROPS WERE LOST. DAMAGE ESTIMATE OF \$750,000 TO COUNTY ROADS AND BRIDGES AND \$1 MILLION IN DAMAGE TO COUNTY BUILDINGS AND EQUIPMENT. 248 INJURIES WERE SUSTAINED DURING STORM CLEAN UP. 113K FORESTED ACRES WERE CLASSIFIED AS MODERATE DAMAGE (15% OF TIMBER IN MODERATE AREA WAS DAMAGED). DAMAGE ASSESSMENTS ARE ONGOING.

GADSDEN 4

THERE WAS A NEAR TOTAL LOSS OF POWER ACROSS THE COUNTY. THREE SHELTERS WERE OPENED HOWEVER THE NUMBER OF PEOPLE SHELTERED IS UNKNOWN. FOUR DEATHS WERE RECORDED BUT NUMBER OF INJURIES IS UNKNOWN. 59K ACRES OF FORESTED AREA WAS CLASSIFIED IN THE SEVERE DAMAGE CATEGORY (75% OF TIMBER WAS DAMAGED IN SEVERE AREA). 185K FORESTED ACRES WERE CLASSIFIED IN THE MODERATE CATEGORY (15% OF TIMBER IN MODERATE CATEGORY WAS DAMAGED). ASSESSMENT IS ONGOING.

JEFFERSON 0 0 130

ONE HOME SUSTAINED MAJOR DAMAGE AND THERE WAS MINOR DAMAGE TO THE ROOF OF ONE SCHOOL. ESTIMATED DAMAGE COSTS ARE \$950,000. 130 PEOPLE WERE SHELTERED DURING THE HURRICANE.

TAYLOR 0 0

MINOR FLOODING IN AUCILLA AND STEINHATCHEE AREA WITH
LOCALIZED
FLOODING IN KEATON BEACH.

LAFAYETTE 0 0 0

3500 CUSTOMERS LOST POWER. LESS THAN FIVE DOWNED TREES
AFFECTED
COUNTY ROADS.

LEE 0 2 110

ALL ROADS HAD TREES AND POWERLINES DOWN ON THEM. 787
STRUCTURES WERE
AFFECTED, 1366 STRUCTURES HAD MINOR DAMAGE, 214 STRUCTURES
HAD MAJOR
DAMAGE AND 53 STRUCTURES WERE DESTROYED. IN ADDITION, THREE
FIRE
STATIONS SUSTAINED DAMAGE. 100 PERCENT OF CUSTOMERS LOST
POWER.
DAMAGE COST ASSESSMENTS ARE ONGOING.

COLQUITT 0 0 0

OVER 500 TREES DOWNED FROM THE HURRICANE. 50,000 CUSTOMERS
LOST
POWER. ESTIMATED COSTS ARE OVER \$1 MILLION.

COOK 0 0 0

ONE MOBILE HOME WAS DESTROYED WHEN A TREE FELL ON IT. IN
ADDITION,
TWO HOMES WERE DAMAGED FROM A SMALL TREE FALLING ON THEM.
NUMEROUS
TREES AND POWERLINES WERE DOWN.

COFFEE 0 0 88

TWO BUSINESSES IN ENTERPRISE SUSTAINED MINOR DAMAGE TO THE
AWNING
AND ROOF. AT LEAST 23 TREES WERE REPORTED DOWN ACROSS THE
COUNTY.
466 PEOPLE LOST POWER. 88 PEOPLE WERE SHELTERED. DAMAGE
COST TO
PUBLIC INFRASTRUCTURE IN THE COUNTY IS \$80,000.

MADISON 0 0 0

MINIMAL DEBRIS ON ROADWAY.

DIXIE 0 0 300

A FEW TREES WERE DOWNED. 300 RESIDENTS EVACUATED. THERE WERE 3 TO 9 POWER OUTAGES IN THE COUNTY.

BROOKS 0 0

PROPERTY DAMAGE WAS LIMITED. IMPACTS WERE MAINLY DOWNED TREES AND DAMAGE TO CROPS. 100% OF CUSTOMERS LOST POWER. VOLUNTARY EVACUATION FOR THE COUNTY BUT NUMBER OF RESIDENTS THAT EVACUATED IS UNKNOWN. ASSESSMENTS ARE ONGOING.

LANIER 0 0 50

DAMAGE WAS LIMITED ACROSS THE COUNTY AND MAINLY HAD A FEW TREES FALL ACROSS COUNTY ROADS. ONE LIMB DID AFFECT A HOUSE. 50 PEOPLE WERE

SHELTERED. LESS THAN 10% OF CUSTOMERS LOST POWER.

BERRIEN 0 0 0

ONE HOUSE SUSTAINED DAMAGE. DAMAGE COSTS WERE APPROXIMATELY \$10,000.

POWER OUTAGES WERE LIMITED ACROSS THE COUNTY.

TURNER 0 0

ROOFS WERE TORN OFF HOMES, RESULTING IN WATER DAMAGE.

BARN AND FARM

STRUCTURES WERE DAMAGED OR DESTROYED. MUCH OF THE COTTON CROP WAS

LOST. 90% OF CUSTOMERS LOST POWER. NUMBER OF EVACUATIONS UNKNOWN.

BEN HILL 0 0 0

75% OF CUSTOMERS LOST POWER. COST ASSESSMENT IS ONGOING.

CLAY 0 0

FIVE HOMES WERE COMPLETELY DESTROYED. MUCH OF THE DAMAGE WAS TREES

ON HOMES OR ROOF DAMAGE. 100% OF CUSTOMERS WERE WITHOUT POWER.

DAMAGE ASSESSMENTS ARE ONGOING.

RANDOLPH 0 2

300 HOMES WERE DAMAGED WITH 50 SUSTAINING MAJOR DAMAGE. 35-80

PERCENT OF PECAN TREES WERE DAMAGED. COTTON YIELD DECREASED FROM

1200-1300/ACRE BEFORE THE STORM TO 300/ACRE AFTER THE STORM (75%

DECREASE). 100% OF CUSTOMERS WERE WITHOUT POWER. DAMAGE COSTS WERE

ESTIMATED AROUND \$770K HOWEVER DAMAGE ASSESSMENTS ARE ONGOING. TWO

INJURIES WERE SUSTAINED...ONE DUE TO A TREE THAT FELL ON A CAR AND

THE SECOND DUE TO A PERSON PUSHED OVER BY THE WIND.

TERRELL 0 2 0

SIGNIFICANT ROOF DAMAGE WAS SUSTAINED. 6000 TREES WERE DOWNED.

COTTON CROPS WERE DEVASTATED. MOST OF THE COUNTY LOST POWER, HOWEVER EXACT NUMBERS ARE UNKNOWN. ESTIMATED \$7 MILLION IN COSTS FOR DEBRIS REMOVAL. TWO INDIRECT FATALITIES OCCURRED. TWO INJURIES WERE SUSTAINED - ONE OF WHICH WAS DUE TO A TREE LIMB THAT ENTERED A VEHICLE.

QUITMAN

DAMAGE ASSESSMENTS ARE ONGOING.

WORTH

DAMAGE ASSESSMENTS ARE ONGOING.

CALHOUN

DAMAGE ASSESSMENTS ARE ONGOING.

\$\$

Legend:

I-Incomplete Data

E-Estimated

NWS TALLAHASSEE