In late August of 2008, Tropical Storm Fay made 4 landfalls in Florida. After crossing the state, Tropical Storm Fay slowly moved along Florida's eastern coastline, bringing extensive flooding to the East Central Florida region. The six counties in the region, Brevard, Lake, Orange, Osceola, Seminole, and Volusia experienced more than 1.150 inches of total rainfall over five days. The City of Melbourne, Brevard County, recorded more than 11" of rainfall in one twenty four hour period, flooding approximately 80 neighborhoods with homes under nearly 3-5 feet of water. A maximum rainfall total of 27.65" was recorded at Windover Farms, 8 miles northwest of the city.

After the storm had passed over the region, the St. John's River which runs north along portions of Brevard, Seminole, Lake, and Volusia Counties, continued to rise, causing major flooding events at De Land (Volusia County) and Sanford and Geneva (Seminole County). Many roadways and homes were damaged as the river's water level continued to climb even after the storm had passed over the area.

Preliminary assessments indicate at least 2300 homes received flood damage from Tropical Storm Fay with early flood damage assessments of over 33 million dollars to the East Central Florida Region alone. Home and infrastructure damage in the six counties in the region, Brevard, Lake, Orange, Osceola, Seminole, and Volusia Counties was estimated to be nearly $10 to $12 million.

The table on the left represents the recorded rainfall from the NWS post tropical storm report on Fay. The results indicated on the map represent the preliminary and collected damage reports from each of the counties and their individual municipalities.