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TTAA00 KTBW 041857

PRELIMINARY REPORT - HURRICANE ELENA

NATIONAL WEATHER SERVICE TAMPA BAY AREA RUSKIN FL

300 PM EDT WED SEP 4 1985

A. HIGHEST SUSTAINED WIND - TAMPA INTERNATIONAL AIRPORT 27 KT 31/1541Z  
PEAK GUST 39 KT 31/1542Z  
PEAK GUST FROM CLEARWATER PASS - PINELLAS COUNTY ANEMOMETER 60 FT  
60 KT 31/1232Z. OTHER UNOFFICIAL REPORTS OF GUSTS BETWEEN 70-80 MPH  
FROM TAMPA BAY AREA NORTHWARD.

B. LOWEST SEA LEVEL PRESSURE - TAMPA INTERNATIONAL AIRPORT 1003.7 MB  
01/0048Z

C. STORM RAINFALL AMOUNTS - TAMPA INTERNATIONAL AIRPORT

1 HOUR 0.44" 01/0800Z - 0900Z

6 HOUR 1.33" 01/0400Z - 1000Z

12 HOUR 1.35" 01/0000Z - 1200Z

24 HOUR 1.90" 01/0000Z - 2400Z

STORM TOTAL OVER 4 DAYS - 3.51". OTHER STORM TOTALS:  
TARPON SPRINGS 6.34" APOLLO BEACH 5.50" SARASOTA 3.46"  
ST. PETERSBURG 3.11" CLEARWATER 5.50" WTVT TAMPA 4.95"  
TREASURE ISLAND 5.00" ODESSA 8.00" CHIEFLAND 8.85"

D. MAXIMUM TIDE HEIGHTS

GULF OF MEXICO APPROX. 6 FEET MSL PINELLAS COUNTY NORTHWARD TO  
CEDAR KEY

TAMPA BAY 7 FEET MSL

TIDES ABOUT 4 TO 6 FEET ABOVE NORMAL. HEIGHTS ESTIMATED DUE TO  
FAILURE OF TIDE GAGES. HIGHEST TIDES OCCURED SATURDAY AFTERNOON AT  
TIME OF HIGH TIDE.

E. MODERATE TO SEVERE BEACH EROSION PINELLAS COUNTY MAINLY INDIAN ROCKS  
BEACH SOUTH. MINOR BEACH EROSION SARASOTA AND MANATEE COUNTIES AND  
NORTH PINELLAS COUNTY.

F. ONLY FRESH WATER FLOODING ALONG WITHLACOOCHEE RIVER WHICH WAS NEAR  
FLOOD STAGE BEFORE HURRICANE. ADDITIONAL RAINFALL FROM STORM WILL  
MAKE RIVER CREST ABOUT 2 FEET ABOVE FLOOD STAGE SEPT. 7 - 10.

G. TORNADOES

31/1125Z - HOLIDAY ACRES SUBDIVISION IN CITRUS COUNTY. NO DAMAGE.

31/1440Z - POSSIBLE TORNADO NEAR ARCADIA IN DESOTO COUNTY. TREE  
FELL ACROSS A MOBILE HOME.

01/0040Z NEAR HAINES CITY IN POLK COUNTY. DAMAGE TO SEVERAL  
MOBILE HOMES.

01/1552 POSSIBLE TORNADO SEMINOLE IN PINELLAS COUNTY. ROOF  
DAMAGE TO ONE HOUSE

ON EVENING OF THE 30TH 4 TORNADOES IN PASCO COUNTY-NEW PORT RICHEY

AREA. 3 NO DAMAGE...OTHER 20 HOMES WITH ROOF DAMAGE...2 COMMERCIAL BUILDINGS ROOF DAMAGE...9 VEHICLES DAMAGED.NO INJURIES.

H. 2 DEATHS FROM HEART ATTACKS...TO AN ELDERLY MAN WHILE IN AN EMERGENCY SHELTER AND TO AN ELDERLY MAN WHILE PUTTING UP STORM SHUTTERS...BOTH IN PINELLAS COUNTY.  
APPROXIMATELY 500,000 (1/2 MILLION) PEOPLE FORCED TO EVACUATE...THE MAJORITY OF WHICH RESIDE INB PINELLAS AND HILLSBOROUGH COUNTIES - TAMPA BAY AREA.  
DAMAGE STILL BEING ASSESSED...BUT VERY PRELIMINARY ESTIMATES WOULD BE IN THE RANGE OF 50 - 100 MILLION DOLLARS.

CROSBY...METEOROLOGIST IN CHARGE