

PUBLIC INFORMATION STATEMENT  
NATIONAL WEATHER SERVICE MOUNT HOLLY NJ  
1138 AM EDT MON AUG 1 2011

...MICROBURST /STRAIGHT LINE WIND DAMAGE/ CONFIRMED NEAR  
VERNON IN SUSSEX COUNTY NEW JERSEY...

LOCATION...VERNON IN SUSSEX COUNTY NEW JERSEY  
DATE...JULY 29, 2011  
ESTIMATED TIME...624 PM EDT  
ESTIMATED MAXIMUM WIND SPEED...90 MPH  
MAXIMUM PATH WIDTH...700 YARDS  
PATH LENGTH...2 MILES  
BEGINNING LAT/LON...41.23N / 74.53W  
ENDING LAT/LON...41.19N / 74.51W  
\* FATALITIES...0  
\* INJURIES...0

\* THE INFORMATION IN THIS STATEMENT IS PRELIMINARY AND SUBJECT TO  
CHANGE PENDING FINAL REVIEW OF THE EVENT(S) AND PUBLICATION IN NWS  
STORM DATA.

...SUMMARY...

A DAMAGE SURVEY TEAM CONSISTING OF STAFF FROM THE SUSSEX COUNTY  
SHERIFF`S OFFICE, VERNON TOWNSHIP POLICE DEPARTMENT AND  
METEOROLOGISTS FROM THE NATIONAL WEATHER SERVICE CONDUCTED A  
GROUND SURVEY OF WIND DAMAGE FROM THE THUNDERSTORMS FRIDAY  
EVENING. BASED ON INFORMATION GATHERED DURING THE SURVEY, CONVERSATIONS  
WITH LOCAL RESIDENCES, AND A DETAILED ANALYSIS OF ALL AVAILABLE  
RADAR DATA...THE DAMAGE IS BEING [ATTRIBUTED TO A MICROBURST](#).

DAMAGE BEGAN IN THE VICINITY OF SILVER FOX LANE AND MOVED IN A  
SOUTHEASTERLY DIRECTION FOR ABOUT TWO MILES, ENDING NEAR THE  
INTERSECTION OF ROUTE 94 AND SAND HILL ROAD. PREDOMINATE DAMAGE  
WAS IN THE FORM OF OVER 1000 FELLED TREES WITH COLLATERAL DAMAGE  
IN THE FORM OF DOWNED WIRES. THE MAJORITY OF THE FELLED TREES WERE  
LAYING IN A NORTHERLY DIRECTION. SEVERAL HOUSES SUSTAINED ROOF  
DAMAGE, SOME DUE DIRECTLY FROM THE FORCES OF THE WIND, SOME DUE  
TO TREES FALLING ON THEM. ONE HOUSE ON EDSAL DRIVE SUFFERED  
SIGNIFICANT ROOF DAMAGE DIRECTLY FROM THE WIND, AND AN AMATEUR  
RADIO ANTENNA TOWER, ALSO ON EDSAL DRIVE, WAS BENT IN HALF IN THE  
DIRECTION OF THE PREVAILING WIND WITH NO SIGNIFICANT DAMAGE TO THE  
ADJACENT HOUSE ROOF.

THE NATIONAL WEATHER SERVICE THANKS THE SUSSEX COUNTY SHERIFF`S  
OFFICE AND THE VERNON TOWNSHIP POLICE DEPARTMENT FOR THERE  
ASSISTANCE IN THIS MATTER.

THIS INFORMATION CAN ALSO BE FOUND ON OUR WEBSITE AT  
WEATHER.GOV/PHI.

FOR REFERENCE...

A MICROBURST IS A CONVECTIVE DOWNDRAFT WITH AN AFFECTED OUTFLOW AREA  
OF LESS THAN 2 1/2 MILES WIDE AND PEAK WINDS LASTING LESS THAN  
5 MINUTES. MICROBURSTS MAY INDUCE DANGEROUS HORIZONTAL/VERTICAL  
WIND SHEARS...WHICH CAN ADVERSELY AFFECT AIRCRAFT PERFORMANCE AND

CAUSE PROPERTY DAMAGE. STRAIGHT-LINE WINDS ARE GENERALLY ANY WIND THAT IS NOT ASSOCIATED WITH ROTATION...USED MAINLY TO DIFFERENTIATE THEM FROM TORNADIC WINDS.

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JJM