

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