
**Confirmed Tornado
Espanola, Ontario
August 9, 2001**

Date- Local: Thursday, August 9th, 2001

UTC: Thursday, August 9th, 2001

Time- Local: 1630

UTC: 2030

Location: Espanola

Region: Manitoulin-North Shore-Killarney

Classification: Confirmed Tornado

Category: G

Casualties: None

Track Length: 1200 m

Width: None available

Motion: 322 degrees

Damage Estimate: None available

F-Scale Rating: F0

Code: NI

Damage Survey: None available

Spotter Reports: One

Other Documents:

Newspaper Articles

sj/s

Meteorological Service of Canada
4905 Dufferin Street, ARMP
Downsview, Ontario M3H 5T4
CANADA

Tornado F-Scale Assessment

Sarah J. Sriver

Tornado Data Production Assistant, Environment Canada

July 9th, 2004

Classification: Confirmed Tornado

Date: Thursday, August 9, 2001

Location: Espanola, Manitoulin-North Shore-Killarney Region

Assessment: F0

F-Code: TS

Explanation of Assessment: A few large trees uprooted and/or snapped.

SJS

Meteorological Service of Canada
4905 Dufferin Street, ARN
Downsview, Ontario M3H 5T6
CANADA

Confirmed or Probable Tornado (G, H, I, or J)
Espanola, Ontario
Thursday, August 9th, 2001

According to the present decision tree, this event would classify as only a probable tornado. But I have an interesting point. If we have a witness' report of them actually *watching* the tornado do damage to a structure, should this count as tornadic damage? I believe that this should be included under the "Report of tornadic damage" heading, so that this eyewitness report of a tornado and an eyewitness report of the tornado *doing* damage would be confirmed. There is no other conclusive evidence that any of the damage that was caused during the storm was tornadic, although some of it quite possibly could have been. A strong gust front and perhaps a downburst also occurred in the region, and with no damage survey having been completed, it is impossible to tell which, if any, damage is tornadic amongst the rest of the downed trees and sheds blown over, as there are only a few newspaper photographs to work from.

Evidence:

- watcher:
- small hail, trees 12" in diameter down

- newspapers:
- storm there and gone in twenty minutes
- lots of trees down, photos
- several people saw the tornado
- some hit by 'wall of wind'
- happened about 4:30 PM, 1630 UTC
- quote, Mid-North Monitor:

"Art Boyne was driving on Centre street when the storm hit. He said he pulled over beside Murphy's One Stop until the rain subsided. His truck began to shake and he notice a vent in from of the restaurant begin to spiral up and over the building. He said he then saw a funnel cloud that was heading in a northwest direction."

- useful points- tornado happened after the rain had ended
- saw it do damage
- ten year old boy watching the funnel cloud outside, they pulled him in, a few minutes later their neighbour's shed hit the house.

Spotter Reports, August 9, 2001

CLASSIFICATION: Severe Thunderstorm **SOURCE/WATCHER ID:** News Clipping - The Examiner, Peterborough **EVENT TIME (UTC):** 18-40 **EVENT DAY:** 9.0 **MONTH:** 8.0 **YEAR:** 2001.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 0.0 **DAY OF THE WEEK:** **EVENT LOCALE:** Marmora **ASOCTD PUBLIC RGN:** Quinte-Northumberland **DETAILED DESCRIPTION:** "reported storm which sparked fires, uprooted trees and disrupted power over a wide area. Trees lay across roads, lawns and power lines." **INITIAL ASSESSMENT:** YES **SPL WX STATEMENT IN EFFECT ?:** UKN **STATEMENT LEAD TIME (HR): (MIN):** **WATCH IN EFFECT ?:** YES **WATCH LEAD TIME (HR): (MIN):** **WARNING IN EFFECT ?:** UKN **WARNING LEAD TIME (HR): (MIN):** **TORNADO:** NO **WINDSPEED:** **RAINFALL:** MM **RAIN DURATION:** **HAIL DIAMETER:** MM **HAIL DESCRIPTION:** None **EVENT DESCRIPTION:** Wind **Mesoscale ?:** **Synoptic ?:** **Big Event ?:** **Statement Est Hit/Miss:** UKN **Watch Est Hit/Miss:** YES **Warning Est Hit/Miss:** UKN **Separate Event (30km/30min):** NO **Vetted by:** LEE **Vetted date:** 20/02/2002

CLASSIFICATION: Severe Thunderstorm **SOURCE/WATCHER ID:** Jim Cody - Eyewitness - #613-472-2871 **EVENT TIME (UTC):** 18-40 **EVENT DAY:** 9.0 **MONTH:** 8.0 **YEAR:** 2001.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 0.0 **DAY OF THE WEEK:** **EVENT LOCALE:** Marmora **ASOCTD PUBLIC RGN:** Quinte-Northumberland **DETAILED DESCRIPTION:** "Reported seeing heavy rains, pea sized hail, and rotating clouds, snapped trees in area, and damage to neighbours siding. Radar indicates event time 18:40Z." **INITIAL ASSESSMENT:** YES **SPL WX STATEMENT IN EFFECT ?:** NO **STATEMENT LEAD TIME (HR): (MIN):** **WATCH IN EFFECT ?:** YES **WATCH LEAD TIME (HR): (MIN):** **WARNING IN EFFECT ?:** YES **WARNING LEAD TIME (HR): (MIN):** **TORNADO:** **POSSIBLE WINDSPEED:** **RAINFALL:** MM **RAIN DURATION:** **HAIL DIAMETER:** MM **HAIL DESCRIPTION:** 7 **EVENT DESCRIPTION:** Wind/Rain/Hail **Mesoscale ?:** **Synoptic ?:** **Big Event ?:** **Statement Est Hit/Miss:** NO **Watch Est Hit/Miss:** YES **Warning Est Hit/Miss:** YES **Separate Event (30km/30min):** NO **Vetted by:** LEE **Vetted date:** 20/02/2002

CLASSIFICATION: Severe Thunderstorm **SOURCE/WATCHER ID:** David - VA3 DCB **EVENT TIME (UTC):** 18-45 **EVENT DAY:** 9.0 **MONTH:** 8.0 **YEAR:** 2001.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 0.0 **DAY OF THE WEEK:** **EVENT LOCALE:** Marmora - Hwy. 14 - North End **ASOCTD PUBLIC RGN:** Quinte-Northumberland **DETAILED DESCRIPTION:** "Large tree down along Hwy.14 (24"-28" diameter), damage all over town, hydro & telephone wires down. Every street has trees down. North end of town 16"-18" dia. tree uprooted. 14" dia. tree uprooted and lying on bell building. Verified with King radar." **INITIAL ASSESSMENT:** YES **SPL WX STATEMENT IN EFFECT ?:** NO **STATEMENT LEAD TIME (HR): (MIN):** **WATCH IN EFFECT ?:** YES **WATCH LEAD TIME (HR): (MIN):** **WARNING IN EFFECT ?:** YES **WARNING LEAD TIME (HR): (MIN):** **TORNADO:** NO **WINDSPEED:** **RAINFALL:** MM **RAIN DURATION:** **HAIL DIAMETER:** MM **HAIL DESCRIPTION:** None **EVENT DESCRIPTION:** Wind **Mesoscale**

?: Synoptic ? : Big Event ? : Statement Est Hit/Miss: NO Watch Est Hit/Miss: NO Warning Est Hit/Miss: YES Separate Event (30km/30min): NO Vetted by: LEE Vetted date: 20/02/2002

CLASSIFICATION: Severe Thunderstorm **SOURCE/WATCHER ID:** LBF Weather watcher
EVENT TIME (UTC): 21-10 **EVENT DAY:** 9.0 **MONTH:** 8.0 **YEAR:** 2001.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 0.0 **DAY OF THE WEEK:** **EVENT LOCALE:** Espanola - Hwy. 6 **ASOCTD PUBLIC RGN:** Sudbury-Nickel Belt **DETAILED DESCRIPTION:** "Reported small hail, trees blown down 12" in diameter." **INITIAL ASSESSMENT:** NO **SPL WX STATEMENT IN EFFECT ?:** NO **STATEMENT LEAD TIME (HR): (MIN):** **WATCH IN EFFECT ?:** YES **WATCH LEAD TIME (HR): (MIN):** **WARNING IN EFFECT ?:** YES **WARNING LEAD TIME (HR): (MIN):** **TORNADO:** NO **WINDSPEED:** **RAINFALL:** MM **RAIN DURATION:** **HAIL DIAMETER:** MM **HAIL DESCRIPTION:** 7 **EVENT DESCRIPTION:** Wind/Hail Mesoscale ? : **Synoptic ? : Big Event ? : Statement Est Hit/Miss: NO Watch Est Hit/Miss: YES Warning Est Hit/Miss: YES Separate Event (30km/30min): NO Vetted by: LEE Vetted date: 20/02/2002**