
**Probable Tornado
Pickering, Ontario
July 16, 1998**

Date- Local: Thursday, July 16th, 1998

UTC: Thursday, July 16th, 1998

Time- Local: 1600.

UTC: 2000

Location: Pickering, Altona Side Road

Region: York-Durham

Classification: Probable Tornado

Category: G-1

Casualties: None

Track Length: None available

Width: None available

Motion: None available

Damage Estimate: None available

F-Scale Rating: F0

Code: TS

Damage Survey: None available

Spotter Reports: Two

Other Documents:

Newspaper Articles

sj/s

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

Tornado F-Scale Re-Assessment

Sarah J. Sriver

Tornado Data Production Assistant, Environment Canada

April 6th, 2004

Classification: Probable Tornado

Date: Thursday, July 16th, 1998

Location: Pickering, York-Durham Region

Original Assessment: F0

Re-Assessment: F0

F-Code: TS

Explanation of Assessment: Assumed shallow-rooted trees were downed.

SJS

Meteorological Service of Canada

4905 Dufferin Street, ARMP

Downsview, Ontario M3H 5T4

CANADA

Spotter Reports, July 16, 1998

CLASSIFICATION: Severe Thunderstorm **SOURCE/WATCHER ID:** Ken Kelly **EVENT TIME (UTC):** 18-00 **EVENT DAY:** 16.0 **MONTH:** 7.0 **YEAR:** 1998.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 0.0 **DAY OF THE WEEK:** **EVENT LOCALE:** South of Lindsay **ASOCTD PUBLIC RGN:** Peterborough and the Kawarthas **DETAILED DESCRIPTION:** "Caller reported very heavy rain and winds gusting to about 100 Km/h.

The storm was moving to the ENE. The caller also told us that a canoe rack in the area had been knocked down in the wind." **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 ?:** YES **WARNING LEAD TIME (HR): (MIN):** **TORNADO:** NO **WINDSPEED:** 100 **RAINFALL:** MM **RAIN DURATION:** **HAIL DIAMETER:** MM **HAIL DESCRIPTION:** **EVENT DESCRIPTION:** Wind **Mesoscale ?:** YES **Synoptic ?:** NO **Big Event ?:** NO **Statement Est Hit/Miss:** UKN **Watch Est Hit/Miss:** YES **Warning Est Hit/Miss:** YES **Separate Event (30km/30min):** NO **Vetted by:** CM **Vetted date:** 21/07/1998

CLASSIFICATION: Severe Thunderstorm **SOURCE/WATCHER ID:** **EVENT TIME (UTC):** 20-00 **EVENT DAY:** 16.0 **MONTH:** 7.0 **YEAR:** 1998.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 30.0 **DAY OF THE WEEK:** **EVENT LOCALE:** Pickering - Altona side road **ASOCTD PUBLIC RGN:** YORK-DURHAM **DETAILED DESCRIPTION:** "Caller in the Altona Road area called in with a report of a possible tornado. Police in the area saw the funnel come across an open field and take down some trees. There were also very heavy rains with the roads flooding and cars stalling out. The funnel" **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 ?:** YES **WARNING LEAD TIME (HR): (MIN):** **TORNADO:** F0 **WINDSPEED:** **RAINFALL:** MM **RAIN DURATION:** **HAIL DIAMETER:** MM **HAIL DESCRIPTION:** **EVENT DESCRIPTION:** Tornado **Mesoscale ?:** YES **Synoptic ?:** NO **Big Event ?:** NO **Statement Est Hit/Miss:** UKN **Watch Est Hit/Miss:** YES **Warning Est Hit/Miss:** YES **Separate Event (30km/30min):** YES **Vetted by:** mjl-event **Vetted date:** 22/11/98

CLASSIFICATION: Severe Thunderstorm **SOURCE/WATCHER ID:** King Doppler **EVENT TIME (UTC):** 20-30 **EVENT DAY:** 16.0 **MONTH:** 7.0 **YEAR:** 1998.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 0.0 **DAY OF THE WEEK:** **EVENT LOCALE:** Between Uxbridge and Leaside **ASOCTD PUBLIC RGN:** York-Durham **DETAILED DESCRIPTION:** "Meso signature seen on the King Doppler display, watches and warnings were out on the storm at the time." **INITIAL ASSESSMENT:** NO **SPL WX STATEMENT IN EFFECT ?:** UKN **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:** **EVENT DESCRIPTION:** WIND **Mesoscale ?:**

YES Synoptic ? : NO Big Event ? : NO Statement Est Hit/Miss: UKN Watch Est Hit/Miss:
YES Warning Est Hit/Miss: YES Separate Event (30km/30min): YES Vetted by: CM
Vetted date: 21/07/1998

CLASSIFICATION: Severe Thunderstorm **SOURCE/WATCHER ID:** Ottawa-Citizen
EVENT TIME (UTC): 21-00 **EVENT DAY:** 16.0 **MONTH:** 7.0 **YEAR:** 1998.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 0.0 **DAY OF THE WEEK:** **EVENT LOCALE:** Richmond
ASOCTD PUBLIC RGN: Ottawa-Hull **DETAILED DESCRIPTION:** "The Ottawa Citizen reported 15 hydro poles snapped when "...a tremendous winds swept through Richmond". A century old barn was blown right off its base as well during the event." **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 ?:** YES **WARNING LEAD TIME (HR):** (MIN): **TORNADO:** POSSIBLE **WINDSPEED:** **RAINFALL:** MM **RAIN DURATION:** **HAIL DIAMETER:** MM **HAIL DESCRIPTION:** **EVENT DESCRIPTION:** Tornado **Mesoscale ?:** YES **Synoptic ?:** NO **Big Event ?:** NO **Statement Est Hit/Miss:** UKN **Watch Est Hit/Miss:** YES **Warning Est Hit/Miss:** YES **Separate Event (30km/30min):** NO **Vetted by:** CM **Vetted date:** 21/07/1998

CLASSIFICATION: Severe Thunderstorm **SOURCE/WATCHER ID:** **EVENT TIME (UTC):** 21-00 **EVENT DAY:** 16.0 **MONTH:** 7.0 **YEAR:** 1998.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 30.0 **DAY OF THE WEEK:** **EVENT LOCALE:** Richmond **ASOCTD PUBLIC RGN:** OTTAWA-HULL **DETAILED DESCRIPTION:** "Caller reported that there was a possible tornado sighting in the area. There was damage to trees and power lines down as well. Investigated by Stan Siok and confirmed as a wet microburst" **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 ?:** YES **WARNING LEAD TIME (HR):** (MIN): **TORNADO:** NO **WINDSPEED:** 120 E **RAINFALL:** MM **RAIN DURATION:** **HAIL DIAMETER:** 12 MM **HAIL DESCRIPTION:** 12 **EVENT DESCRIPTION:** WIND **Mesoscale ?:** YES **Synoptic ?:** NO **Big Event ?:** NO **Statement Est Hit/Miss:** UKN **Watch Est Hit/Miss:** YES **Warning Est Hit/Miss:** YES **Separate Event (30km/30min):** YES **Vetted by:** mjl-event **Vetted date:** 22/11/98

CLASSIFICATION: Severe Thunderstorm **SOURCE/WATCHER ID:** Alan Bows **EVENT TIME (UTC):** 22-00 **EVENT DAY:** 16.0 **MONTH:** 7.0 **YEAR:** 1998.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 0.0 **DAY OF THE WEEK:** **EVENT LOCALE:** About 5 miles north of Rockland (30 km E Ottawa) **ASOCTD PUBLIC RGN:** Ottawa-Hull **DETAILED DESCRIPTION:** "Corrected for omission of phone number Alan observed a funnel cloud which touched down for about 2 minutes in a field about 5 miles north of Rockland. He was flying a plane when he saw the weak tornado..which was about 100 m wide when it touched do" **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 ? : YES WARNING LEAD TIME (HR):
(MIN): TORNADO: F0 WINDSPEED: RAINFALL: MM RAIN DURATION: HAIL
DIAMETER: MM HAIL DESCRIPTION: EVENT DESCRIPTION: Tornado Mesoscale ? :
YES Synoptic ? : NO Big Event ? : YES Statement Est Hit/Miss: UKN Watch Est Hit/Miss:
YES Warning Est Hit/Miss: YES Separate Event (30km/30min): NO Vetted by: CM Vetted
date: 26/07/1998**