
**Confirmed Tornado
Grand Valley, Ontario
July 1, 1999**

Date- Local: Thursday, July 1st, 1999

UTC: Thursday, July 1st, 1999

Time- Local: 1755

UTC: 2155

Location: Grand Valley

Region: Dufferin-Innisfil

Classification: Confirmed Tornado

Category: G

Casualties: None

Track Length: None available

Width: None available

Motion: None available

Damage Estimate: None available

F-Scale Rating: F1

Code: BS

Damage Survey: None available

Spotter Reports: Three

Other Documents:

None

sjs

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

Tornado F-Scale Assessment

Sarah J. Scriver

Tornado Data Production Assistant, Environment Canada

April 21st, 2004

Classification: Confirmed Tornado

Date: Thursday, July 1st, 1999

Location: Grand Valley, Dufferin-Innisfil Region

Re-Assessment: F1

F-Code: BS

Explanation of Assessment: Roofs of two barns removed, and some siding stripped off of a new barn. High profile, unstable cattle truck tipped over.

SJS

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

Spotter Reports, July 1, 1999

CLASSIFICATION: Severe Thunderstorm **SOURCE/WATCHER ID:** John Black **EVENT TIME (UTC):** 21-55
EVENT DAY: 1.0 **MONTH:** 7.0 **YEAR:** 1999.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 20.0 **DAY OF THE WEEK:**
EVENT LOCALE: 2 km south of Highway 9 on Dufferin Road #5 on the way to Belwood. South of Grand Valley. **ASOCTD PUBLIC RGN:** Waterloo-Wellington-Dufferin **DETAILED DESCRIPTION:** "A white funnel/tornado crossed the field with a debris plume at its base. The debris was spinning around the tornado which was about 20 feet wide at its base widening to 50 feet or more higher up. Farm machinery at Roy Taylor-s farm to the west on the 11t" **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 ?: NO **WARNING LEAD TIME (HR): (MIN):** **TORNADO:** F1
WINDSPEED: **RAINFALL:** MM **RAIN DURATION:** **HAIL DIAMETER:** MM **HAIL DESCRIPTION:**
EVENT DESCRIPTION: Tornado **Mesoscale ?:** YES **Synoptic ?:** NO **Big Event ?:** NO **Statement Est Hit/Miss:** NO
Watch Est Hit/Miss: YES **Warning Est Hit/Miss:** NO **Separate Event (30km/30min):** YES
Vetted by: PRJC **Vetted date:** 17/07/1999

CLASSIFICATION: Severe Thunderstorm **SOURCE/WATCHER ID:** Orangeville Citizen **EVENT TIME (UTC):** 22-00
EVENT DAY: 1.0 **MONTH:** 7.0 **YEAR:** 1999.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 0.0
DAY OF THE WEEK: **EVENT LOCALE:** East Garafaxa Twp **ASOCTD PUBLIC RGN:** Waterloo-Wellington-Dufferin
DETAILED DESCRIPTION: "confirmed tornado damaged two barns, felled trees" **INITIAL ASSESSMENT:** YES
SPL WX STATEMENT IN EFFECT ?: UKN **STATEMENT LEAD TIME (HR): (MIN):** **WATCH IN EFFECT ?:** UKN
WATCH LEAD TIME (HR): (MIN): **WARNING IN EFFECT ?:** UKN **WARNING LEAD TIME (HR): (MIN):**
TORNADO: F1 **WINDSPEED:** **RAINFALL:** MM **RAIN DURATION:** **HAIL DIAMETER:** MM **HAIL DESCRIPTION:**
EVENT DESCRIPTION: Tornado **Mesoscale ?:** **Synoptic ?:** **Big Event ?:** **Statement Est Hit/Miss:** UKN **Watch Est Hit/Miss:** UKN
Warning Est Hit/Miss: UKN **Separate Event (30km/30min):** NO **Vetted by:** mjl **Vetted date:** 21/10/99

CLASSIFICATION: Severe Thunderstorm **SOURCE/WATCHER ID:** Michael Spears, Orangeville Citizen - 519-941-2230
EVENT TIME (UTC): 22-15 **EVENT DAY:** 1.0 **MONTH:** 7.0 **YEAR:** 1999.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 15.0
DAY OF THE WEEK: **EVENT LOCALE:** Near Grand Valley. 11th Sideroad just east of County Road 20. **ASOCTD PUBLIC RGN:** Waterloo-Wellington-Dufferin **DETAILED DESCRIPTION:** "@ barn roofs blown off. The siding was also stripped from 3 buildings. @ pine trees (10 inch diameter) snapped off in the same direction about a foot above the ground. Trees were 15 feet apart about 50 feet from the barn. Damage trail lead to the next coun" **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 ?:** NO **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:** NO
Watch Est Hit/Miss: YES **Warning Est Hit/Miss:** NO **Separate Event (30km/30min):** YES **Vetted by:** PRJC
Vetted date: 17/07/1999