
**Probable Tornado
Brussels, Ontario
July 23, 2001**

Date- Local: Monday, July 23rd, 2001

UTC: Monday, July 23rd, 2001

Time- Local: 1800

UTC: 2200

Location: Brussels

Region: Grey-Bruce

Classification: Probable Tornado

Category: A-1

Casualties: None

Track Length: 1500 m

Width: 10 m

Motion: 260 degrees

Damage Estimate: None available

F-Scale Rating: F0

Code: TS

Damage Survey: David Sills, MSC King Radar

Spotter Reports: One

Other Documents:

Informal Damage Report by David Sills, MSC King Radar

sj/s

Meteorological Service of Canada
4905 Dufferin Street, ARI...
Downsview, Ontario M3H...
CANADA

Tornado F-Scale Assessment

Sarah J. Sriver

Tornado Data Production Assistant, Environment Canada

July 9th, 2004

Classification: Probable Tornado

Date: Monday, July 23rd, 2001

Location: Brussels, Grey-Bruce Region

Assessment: F0

F-Code: TS

Explanation of Assessment: Some large tree branches down, some smaller trees snapped.

SJS

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

July 23, 2001 - Wind Damage near Brussels

First Interview - Nov 27

Contacts: Anne and Dan Hallman, 519-887-6455
Jim Stephenson, 519-887-9496 (neighbour)

Event Location: Near Ethel, north part of lot 14 concession 6 Grey Township, just west of McNab on Cardiff

Event Time: just after noon, though neighbour Stephenson says closer to 6 agreeing with radar

Damage: around 10 large trees with trunks 1-2 feet in diameter pushed over, broken and snapped, at least one rotten
all trees down pointing to northeast
grass tore from ground in non-treed areas
looked like someone drove through with a cultivator

Track: northeast, path 20 ft. wide, roughly 1000 ft. long

Evidence: no one saw funnel cloud and there are no pictures

Noise: none specified

Weather: gustier as storm came through, smaller trees bent over
a bit of marble-sized hail then heavy rain
quickly over

Warning: was outside and didn't have TV or radio on

Damage Survey - Dec 3

- met Dan Hallman at property
- he gave directions then I left for the area in the woods
- took a bunch of pictures of what looked like storm damage
- lots of trees bent to NE, some bent to E
- only found 4 large trees down, 2 confirmed as from July 23, others appear to be from this year at least
- largest tree down was rotten inside
- seemed to be converging bended trees (see pictures and diagram below)
- Dan believed that the bent trees were bent before storm, probably due to logging
- however, there was a large concentration of convergent bent trees in one area where other damage was known and hardly any in other parts of the same woods
- power lines were downed along driveway
- line of trees along driveway didn't seem to be affected significantly
- couldn't find the tree that was down at the Stephenson place (no one home) but there apparently was a cherry tree taken down
- also talked to Barbara Marshall, 887-6894, who confirmed that the storm was in the late afternoon / evening, she says there was a lot of rain as storm came up, intense lightning, house starting to shake and roar heard
- she had a tree down along her fence-line and pointed to another tree that was down farther along Cardiff

Interview: Jim Stephenson - Dec 11

- several branches down around property and 12-16" diameter 25-30' high cherry tree twisted off leaving bottom 1/3 down toward north-northeast
- timing around 4-6 pm
- was in Brussels at time and didn't know a storm was occurring
- knows of no other damage that that discussed here
- wife took shelter when things looked threatening and it became really windy

Assessment

- damage track is long and narrow, converging snapped and bent trees in storm damage area, eyewitness account that it looked like a cultivator went through with narrow path carved through bush
- probable tornado, from ~260 degrees, path length ~ 1.5 km
- F0 damage extends from 43 45 02, 81 09 55 in west to 43 45 08, 81 09 20 in east

