
**Confirmed Tornado
Orono, Ontario
August 20, 2009**

Date- Local: Thursday, August 20th, 2009

UTC: Friday, August 21st, 2009

Time- Local: 2005

UTC: 005

Location: Orono

Region: Peterborough - Kawartha Lakes

Classification: Confirmed Tornado

Category: C

Casualties: None

Track Length: 3148.86 m

Width: None available

Motion: 228.38

Damage Estimate: None available

F-Scale Rating: F0

Code: TS

Damage Survey: None, storm damage survey filled in by Brad Rousseau based on Arnold Ashton's data

Spotter Reports: None

Other Documents:

Storm damage survey report

Photos of damaged trees

Map of path

Tornado F-Scale Assessment

Brad L. Rousseau
Tornado Data Production Assistant, Environment Canada
February 23rd, 2010

Classification: Confirmed Tornado

Date: Thursday, August 20th, 2009

Location: Orono, Peterborough – Kawartha Lakes Region

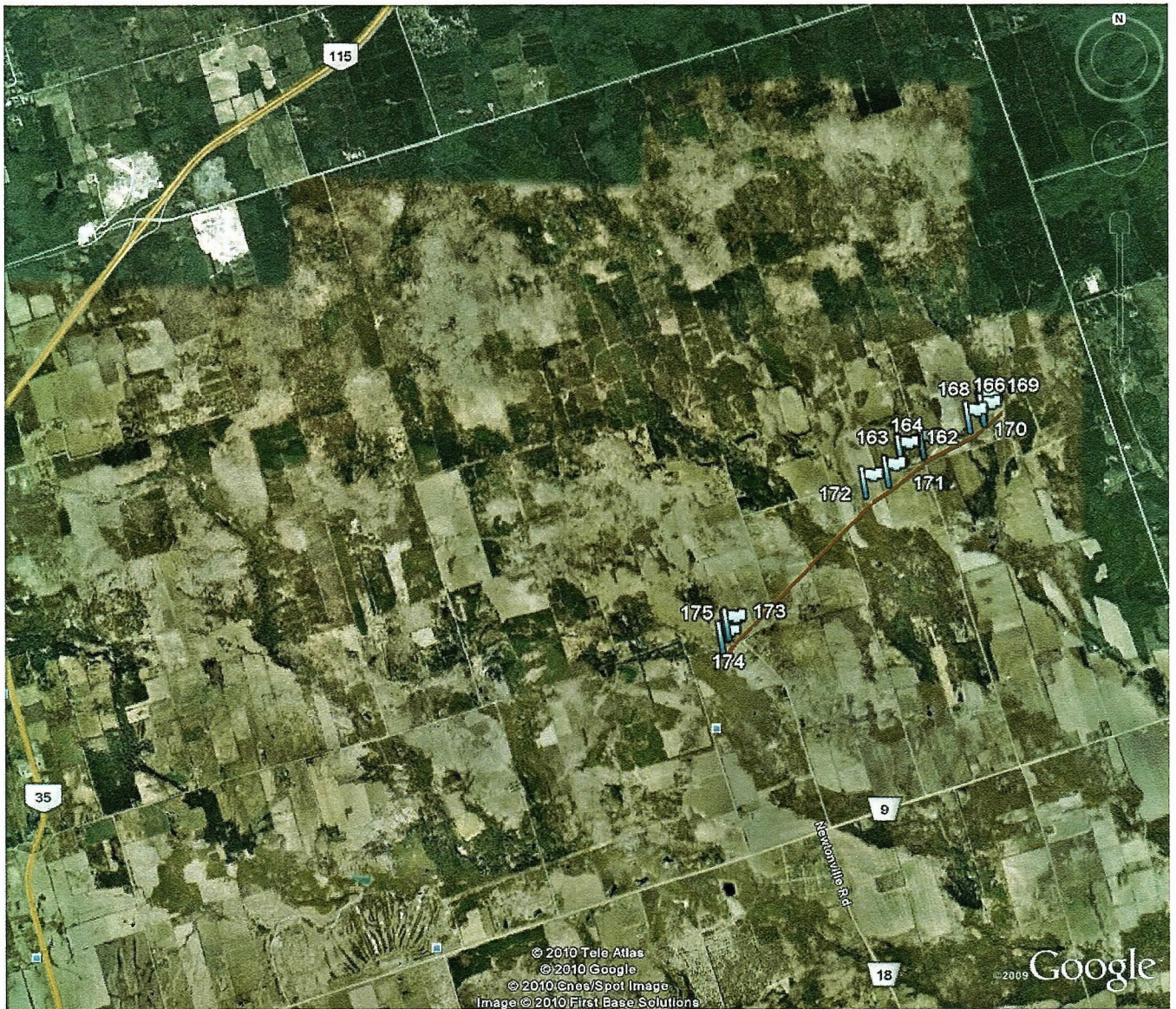
Assessment: F0

F-Code: TS

Explanation of Assessment: Trees snapped and uprooted, height 400lb horse feeders were thrown ~150ft.

OSPC Storm Damage Survey Report

Investigators	#1 (Lead) #3	#2 #4
Location / Region	Orono	Peterborough - Kawartha Lakes
Event Date Local / UTC (YYMMDD)	2009-08-20	2009-08-21
Event Time Local / UTC	2005	0005
Severe Weather Event Type	Tornado	
Classification	Possible	
F-scale Value	F0	
F-scale Code	TS	
Start Lat / Long	44.045085	-78.542112
End Lat / Long	44.063913	-78.512633
Path Length (m)	3148.86	
Motion (degrees)	228.38	
Max. Path Width (m)	width	
Avg. Path Width (m)	width	
Human Injuries / Fatalities	0	0
Animal Injuries / Fatalities	0	0
Damage (\$K) / Source	0	
Damage Description	Trees snapped and uprooted, but there does not seem to be any convergence or distinct path.	
Other Notes	Some pictures of where damaged soffit and facia removed by tornado was replaced.	
Images and Captions	include storm photos, damage photos, maps, etc. below	





Hudec,Victoria [Ontario]

From: Hudec,Victoria [Ontario]
Sent: October 6, 2009 12:06 PM
To: Hudec,Victoria [Ontario]; Ashton,Arnold [Ontario]; Coulson,Geoff [Ontario]
Subject: FW: possible tornado

Boothmans - 4472 Concession Rd 8
Hendersons - 7261 Mercer Rd
Doug and Frances Cathcart - 4575 Thertell Rd
Allan Cathcart - (Mercer and Thertell Rds ??)
Steve and Donna Houseman - ??

Victoria Hudec
Environment Canada
Outreach Officer/
National Coordinator - Sky Watchers
4905 Dufferin Street
Toronto, Ontario, M3H 5T4
416-739-5761
Toll Free 1-888-758-0000

From: Marg Zwart [mailto:oronotimes@rogers.com]
Sent: October 6, 2009 8:28 AM
To: Hudec,Victoria [Ontario]
Subject: possible tornado

Hi Victoria: Ray Wallace couldn't remember when the storm was in August, so I call the people who farm his father-in-law's property. I spoke to Mrs. Frances Cathcart. She said her husband and son were out baling hay that night and it was storming, "It started at the Boothman's she said, it come over the hill to Mackenzie's, took a maple tree off, then came across to Steve and Donna Houseman's and Allan Carthcarts. Robert has corn in the field and it put a hole in Robert's corn field, he has no insurance. It took a tree down, then it came across to Mercer Road and took 2 cedar trees out and put them across the road. Nobody could go to work. Bruce cut them off. Then it went across to Tommy's (Rays In-laws) and twisted the round tree. Tommy has a tree in the field that Doug calls the round tree because he always has to work around it. It knocked a limb off the round tree but it didn't take it down. It tipped tree trees over onto the electric fence and took down 14 trees at Henderson's."

It happened on August 20th, because Frances plays cards at the Kendal Community Centre every other Thursday night. She come home early that Thursday night because the power went off in the hall - caused by trees falling onto the hydro wires which started a bit of a fire. Doug asked her when she came home, why she was home so early? She replied, "Because you can't play cards in the dark, silly?" There you have it.

Cathcart's live at [4575](#) Thertell Rd. phone number - 905-983-5697

MZ

From: Marg Zwart [oronotimes@rogers.com]
Sent: October 5, 2009 3:44 PM
To: Hudec, Victoria [Ontario]
Subject: Re: Possible Orono tornado on Aug 20th

Hi Victoria: I'm not sure I got an exact date. The line of damage was from west to slightly north of east, and they were all laying in the same direction. There was water in a ditch on the north edge of the field but I don't think it was swampy. I took the pictures Saturday morning, and it had rained quite a bit on Friday. The downed trees did look healthy. I'm not good with estimating distance. It was a small field, the corner of a field actually. In picture 9307 you can see Thertell Rd. - the east/west road, and Langstaff Rd. the north/south road, I was standing in the pasture to the west of the field, the green angle iron is part of the fence line.
I am trying to call Ray Wallace to confirm the date, but the phone is busy.
I'll keep trying.

MZ

----- Original Message -----

From: "Hudec, Victoria [Ontario]" <Victoria.Hudec@ec.gc.ca>
To: "Marg Zwart" <oronotimes@rogers.com>
Cc: "Ashton, Arnold [Ontario]" <Arnold.Ashton@ec.gc.ca>
Sent: Monday, October 05, 2009 12:20 PM
Subject: Possible Orono tornado on Aug 20th

Hi Margaret,

Thank you so much for taking these pictures. I will give you a call later to ask you some specific questions to help us access if it is possible that the damage is tornadic.

Were you able to speak to someone in the family to confirm that the damage occurred on Aug 20th, what direction was the line of the damage, did the damage appear to all be in the same direction or were there trees down that were pointing in different directions, how large an area would you say is damaged, is it a swampy - wetland area or is it dry, were the trees healthy to begin with - sorry my question mark symbol is not working on my keyboard...

Thank you so much for going out to take these pictures. I will give you a call this afternoon or give me a call at your convenience to discuss the pics.

Victoria Hudec
Environment Canada
Outreach Officer/
National Coordinator - Sky Watchers
4905 Dufferin Street
Toronto, Ontario, M3H 5T4
416-739-5761
Toll Free 1-888-758-0000

-----Original Message-----

From: Marg Zwart [mailto:oronotimes@rogers.com]
Sent: October 5, 2009 9:56 AM
To: Hudec, Victoria [Ontario]
Subject: Fw: Delivery Status Notification (Failure)

----- Original message -----

From: <postmaster@ec.gc.ca>

To: <oronotimes@rogers.com>

Sent: Monday, October 05, 2009 9:31 AM

Subject: Delivery Status Notification (Failure)

> This is an automatically generated Delivery Status Notification.

>

> Delivery to the following recipients failed.

>

> victoria.huded@ec.gc.ca

>

>

>

>

>

* 160 - Mercy Rd North of
Regional Rd 9.

2 cedar trees - fallen across
road in westerly direction

161 - trees (poplars) snapped off at
same height

162/163 - Willow
tree fallen in SW to NE

- 4778 Thertell Rd - Thertell Family
Farm

30 sec. woosh. - 8 PM.

Wayne Thertell.
905 - 983 - 6384

W.P. 165.

- chairs thrown N + E
- fascia SE side of house

#166

- hardly any rain w/ tornado. tornado
came before rain.

#167. 6-8 poplars down beside Manitoba
maple

168 - 8-horse 400 lb plastic feeder
- carried NE ~150m into corn field.
(photo)

169 - 6 boards & removed from barn
(photo)

170 - Bunch of birch snapped off
(photo)

171 - tree stump cut down
on Cowan property - edging Henderson

172 - tree on chalet house
w tennis courts and indoor

~~Therrell~~ Henderson - Don + allene

4472 - Boothmans
8th concussion

4445 "

173 questionable because of
didn't hit enter at the stop of tree

174 - Bush & shed debris

175 - Same tree