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**Confirmed Tornado  
Leamington, Ontario  
June 25, 2009**

**Date- Local:** Thursday, June 25<sup>th</sup>, 2009

**UTC:** Thursday, June 25<sup>th</sup>, 2009

**Time- Local:** 1630

**UTC:** 2030

**Location:** Leamington

**Region:** Windsor - Essex - Chatham - Kent

**Classification:** Confirmed Tornado

**Category:** A

**Casualties:** None

**Track Length:** 150 m

**Width:** None available

**Motion:** 297°

**Damage Estimate:** None available

**F-Scale Rating:** F1

**Code:** BS

**Damage Survey:** Yes done by Geoff Coulson and Ryan Pimiskern

**Spotter Reports:** One

**Other Documents:**

Storm Damage Survey Report form detailing eyewitness account of the tornado  
destroying barn and the damage done

Precise map of the locations of tornado track and debris piles

Photographs of damage and debris piles

2 OSPC vetted reports

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## **Tornado F-Scale Assessment**

Brad L. Rousseau

Tornado Data Production Assistant, Environment Canada

January 15<sup>th</sup>, 2010

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**Classification:** Confirmed Tornado

**Date:** Thursday, June 25<sup>th</sup>, 2009

**Location:** Leamington, Windsor - Essex - Chatham - Kent Region

**Assessment:** F1

**F-Code:** BS

**Explanation of Assessment:** Barn partially destroyed. Roof of a house completely removed and tossed 120m, one wall collapsed others had structural damage

# OSPC Storm Damage Survey Report

<b>Investigators</b>	<i>#1 Geoff Coulson #3</i>	<i>#2 Ryan Pimiskern #4</i>
<b>Location / Region</b>	<i>Leamington</i>	<i>Windsor - Essex - Chatham-Kent</i>
<b>Event Date Local / UTC (YYMMDD)</b>	<i>2009-06-25</i>	<i>2006-06-25</i>
<b>Event Time Local / UTC</b>	<i>4:30pm</i>	<i>20:30Z</i>
<b>Severe Weather Event Type</b>	<i>Tornado</i>	
<b>Classification</b>	<i>Confirmed</i>	
<b>F-scale Value</b>	<i>F1 (low-end, peak winds 120-140km/h)</i>	
<b>F-scale Code</b>	<i>BS</i>	
<b>Start Lat / Long</b>	<i>42.0076</i>	<i>-82.5452</i>
<b>End Lat / Long</b>	<i>42.0070</i>	<i>-82.5436</i>
<b>Path Length (m)</b>	<i>150 m</i>	
<b>Motion (degrees)</b>	<i>297</i>	
<b>Max. Path Width (m)</b>	<i>width</i>	
<b>Avg. Path Width (m)</b>	<i>width</i>	
<b>Human Injuries / Fatalities</b>	<i>N/A</i>	<i>N/A</i>
<b>Animal Injuries / Fatalities</b>	<i>N/A</i>	<i>N/A</i>
<b>Damage (\$K) / Source</b>	<i>\$K</i>	<i>source</i>

## Damage Description

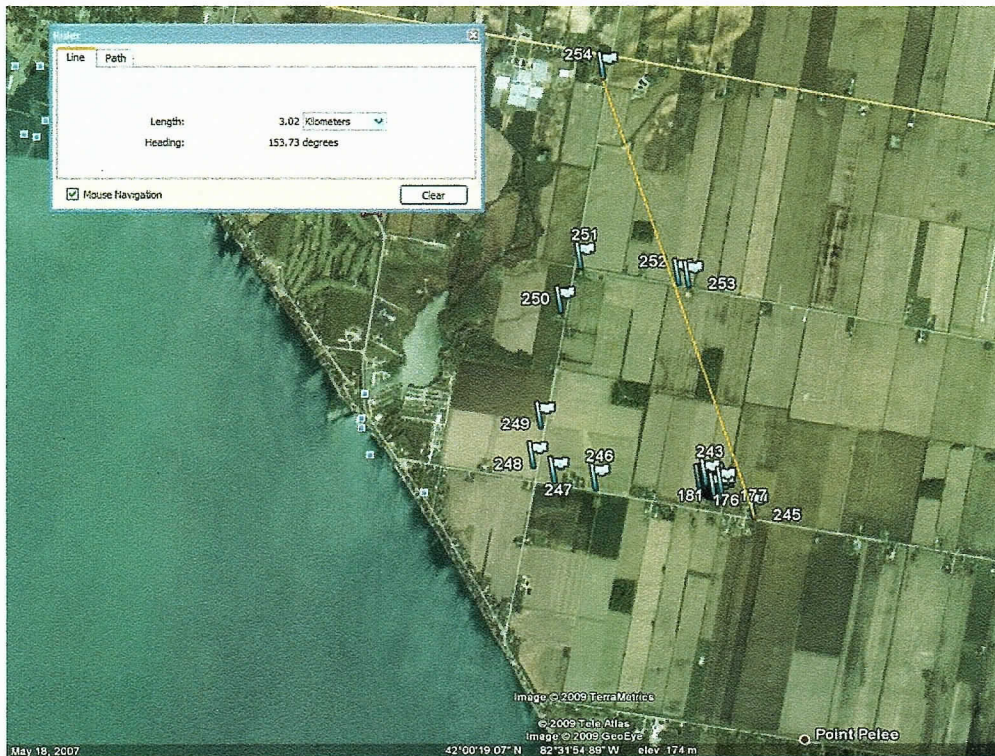
A wooden barn located at 1431 Mersea Road C near Leamington was partially destroyed. The west-facing wall of the barn collapsed, the roof was completely removed and tossed 120 metres to the east of the property, and the north- and south-facing walls suffered structural damage as well. The damage track was very narrow and specific, and it is difficult to estimate the overall length of the path because the nearby cornfield to the west of the barn is in too early a stage of growth to have taken any damage from intense winds. Sporadic tree and wheat-crop damage was observed in areas to the west and north of the barn damage, though difficult to determine the nature of the wind that caused it.

## Other Notes

Daughter of the landowner was an eyewitness to the tornado as it destroyed their barn.

## Images and Captions

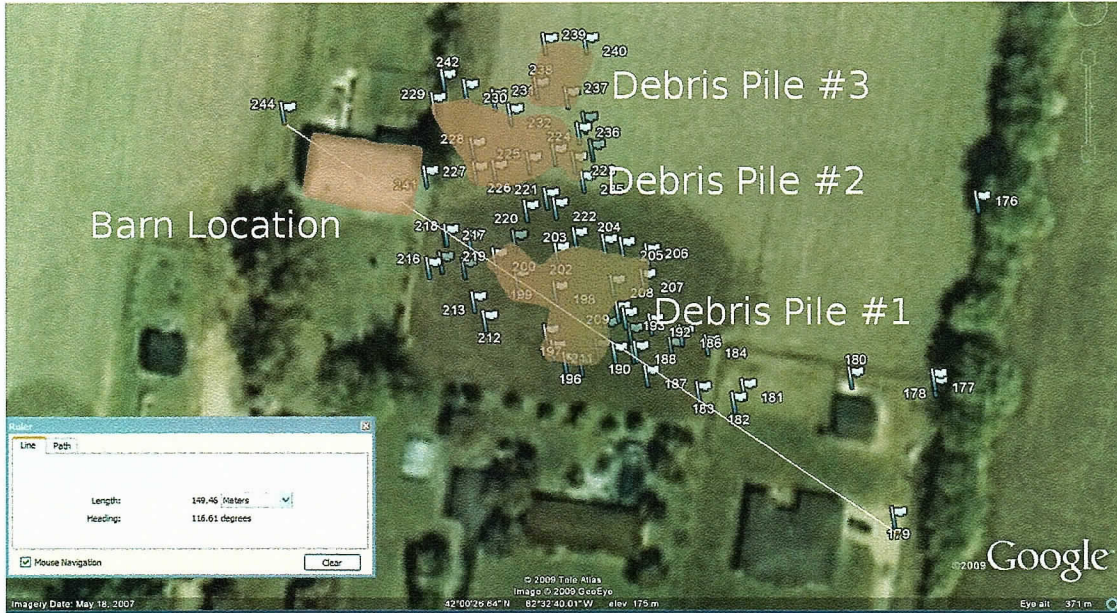
include storm photos, damage photos, maps, etc. below



Locations of Damage found in Leamington area, June 26, 2009

Distance from NW-most to SE-most damage is 3.02km according to Google Earth





Close-up of damage distribution at 1431 Mersea Rd. C  
 Distance from barn to furthest barn-related debris is 149 metres



Looking East  
 Lat/Long - 42.0076N, 82.5452W  
 Barn on the west side showing most extensive damage to the structure, showing collapsed west wall and roof removed





Looking South-East

Lat/Long - 42.0079N, 82.5447W

View from most-northerly damage on the property at 1431 Mersea Road C, looking SE toward soybean field where most of debris from barn landed. Soil was very muddy from heavy rain, and soybean plants were maximum 4cm tall. Piles indicated show location of roof material removed by the tornado.



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Event type	Tornado (vetted)
Event start date	2009-6-25 UTC (exact)
Event start time	20:50:00 UTC (exact)
Event duration	00:01:00 (rough)
Entered by	rodgersd (2009-06-30 20:28:42)
Event version	latest
fcst region	WINDSOR - ESSEX - CHATHAM-KENT
meso region	WINDSOR - LEAMINGTON - ESSEX COUNTY
Latitude/Longitude	42 ° 5' N 82 ° 34' W
Location	0 KM N of Leamington
Hail	no
Hail size descriptor	N/A
Hail diameter	N/A
Hail depth	N/A
Wind	yes
Gust speed	N/A
Wind direction	N/A
Wind intensity	N/A
Rain	yes
Rain amount	N/A
Rain duration	N/A
Tornado	yes
Tornado intensity	F4 (measured) <b>Error! Rating = F1. NOT F4</b>
Lightning	no
Lightning Intensity	N/A
Mesocyclone	no
Funnel Cloud	no
Waterspout	no
Narrative	Strong winds, green sky with torrential rain. Wind caused barn to have roof removed and dropped in neighbouring field more than 50 feet to the east. West wall of the barn blown down. Update by Dave: a damage survey was done. This was confirmed to be an F1 tornado. The barn was on the property of Lawrie Hamm's aunt making this a second hand account. The event time seems to be about 20 minutes too early.
Confidence	confirmed
Warning Criteria	met or exceeded
Source	Weather Watcher
MSC initiated report of event	N/A
Contact name	Lawrie Hamm
Contact phone	N/A
Contact email	N/A
Contact address	N/A
Number of fatalities	N/A
Fatality comments	N/A
Number of injuries	N/A
Injury comments	N/A
Damage amount	N/A
Damage comments	Barn roof removed and wall knocked down. Cost of damages unknown.
Power outage	N/A

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Note: Event details are highlighted in orange.

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Modified : 2006-02-16

Reviewed : 2003-12-08

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Event type	Tornado (vetted)
Event start date	2009-6-25 UTC (exact)
Event start time	20:50:00 UTC (estimate)
Event duration	00:01:00 (exact)
Entered by	rodgersd (2009-06-30 20:30:32)
Event version	latest
fcst region	WINDSOR - ESSEX - CHATHAM-KENT
meso region	WINDSOR - LEAMINGTON - ESSEX COUNTY
Latitude/Longitude	42 ° 5' N 82 ° 34' W
Location	0 KM N of Leamington
Hail	no
Hail size descriptor	N/A
Hail diameter	N/A
Hail depth	N/A
Wind	no
Gust speed	N/A
Wind direction	N/A
Wind intensity	N/A
Rain	no
Rain amount	N/A
Rain duration	N/A
Tornado	yes
Tornado intensity	F1 (measured)
Lightning	no
Lightning Intensity	N/A
Mesocyclone	no
Funnel Cloud	no
Waterspout	no
Narrative	N/A
Confidence	confirmed
Warning Criteria	met or exceeded
Source	Meteorologist
MSC initiated report of event	N/A
Contact name	Rob Kuhn
Contact phone	N/A
Contact email	rob.kuhn@ec.gc.ca
Contact address	N/A
Number of fatalities	N/A
Fatality comments	N/A
Number of injuries	N/A
Injury comments	N/A
Damage amount	N/A
Damage comments	N/A
Power outage	N/A

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The logo for the Government of Canada, featuring the word "Canada" in a stylized serif font with a small crown above the letter 'a'.