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

**Date- Local:** Thursday, August 20<sup>th</sup>, 2009

**UTC:** Thursday, August 20<sup>th</sup>, 2009

**Time- Local:** 1810

**UTC:** 2010

**Location:** Moonstone

**Region:** Barrie - Orillia - Midland

**Classification:** Confirmed Tornado

**Category:** C

**Casualties:** None

**Track Length:** 3218.6 m

**Width:** None available

**Motion:** 218.1

**Damage Estimate:** None available

**F-Scale Rating:** F0

**Code:** TS

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

**Spotter Reports:** None

**Other Documents:**

E-mail from eyewitness detailing damage and behavior of tornado.

Pictures of tree damage, as well as some structural damage caused by falling trees

Storm damage survey

Map of Path

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## **Tornado F-Scale Assessment**

Brad L. Rousseau

Tornado Data Production Assistant, Environment Canada

February 23<sup>rd</sup>, 2010

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**Classification:** Confirmed Tornado

**Date:** Thursday, August 20<sup>th</sup>, 2009

**Location:** Moonstone, Barrie - Orillia - Midland Region

**Assessment:** F0

**F-Code:** TS

**Explanation of Assessment:** Witness says "40 + Trees of approx 30 years of age Toppled & twisted off". Photos show snapped and downed trees. Some trees fell on homes causing some damage to them.

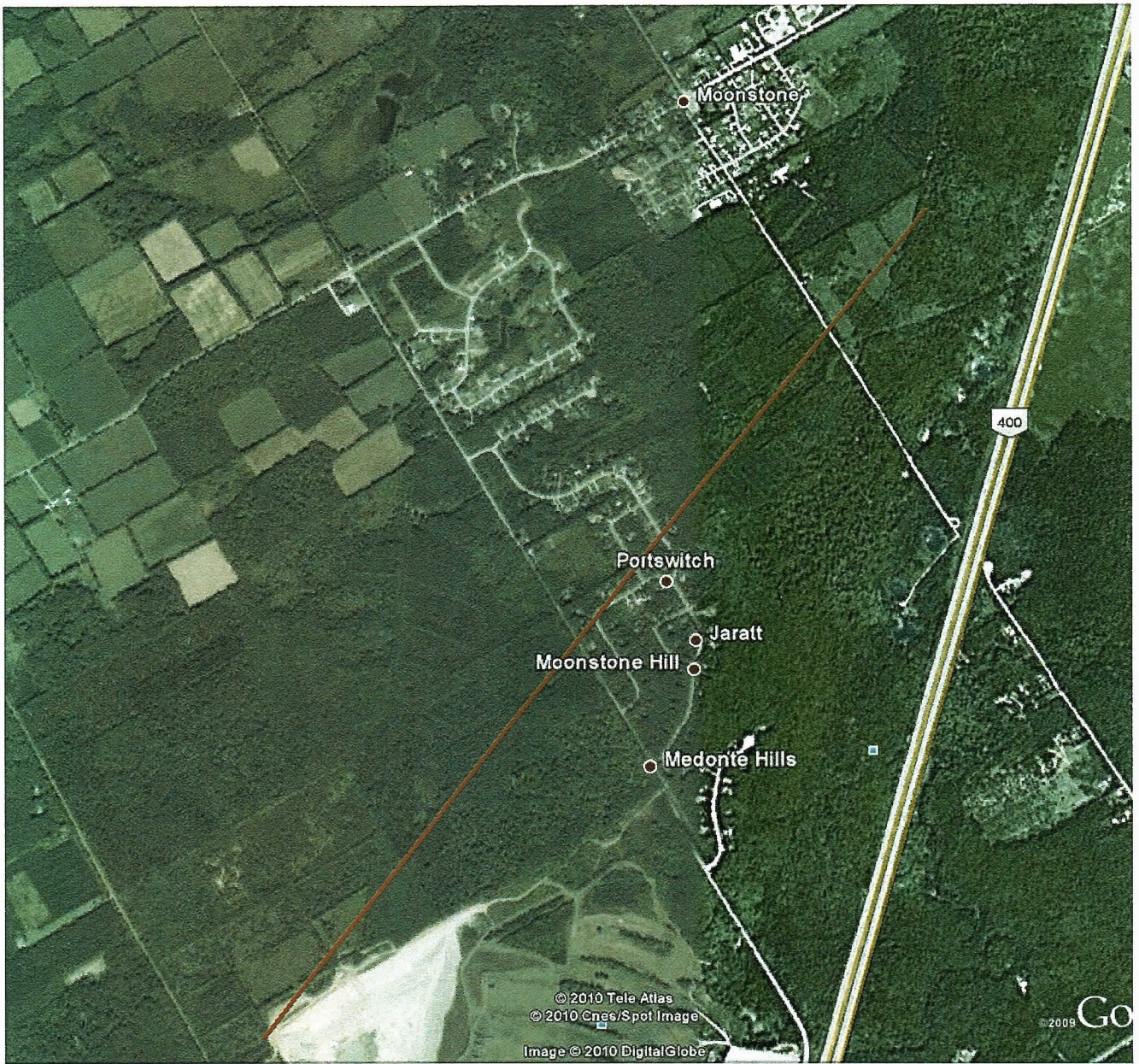
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*SJS*

# OSPC Storm Damage Survey Report

Investigators	#1 (Lead) #3	#2 #4
Location / Region	Moonstone	Barrie - Orillia - Midland
Event Date Local / UTC (YYMMDD)	2009-08-20	2009-08-20
Event Time Local / UTC	1810	2210
Severe Weather Event Type	Tornado	
Classification	C	
F-scale Value	F0	
F-scale Code	TS	
Start Lat / Long	44.629400	-79.679291
End Lat / Long	44.652118	-79.654182
Path Length (m)	3218.6	
Motion (degrees)	218.1	
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	Witness says "40 + Trees of approx 30 years of age Toppled & twisted off". Photos show snapped and downed trees. Some trees fell on homes causing some damage to them. Witness also indicate that there is a distinct damage path	
Other Notes	A witness saw swirling winds, and another witness had dirt and pine needles stuck to wall in a horizontal fashion.	
Images and Captions	include storm photos, damage photos, maps, etc. below	













Dear Sirs,

Several Properties in the Moonstone area Experienced a Tornado Thursday Aug 20 @6:10PM of an F1 intensity. Entry & exit path ways are clearly visible. My residence @ 16 Glacier Cres. had 40 + Trees of approx 30 years of age Toppled & twisted off. Some the foliage has completely disappeared. Witness Jeff Young(neighbour) saw the actual swirling winds with the accompanying Train Roar. All of the trees destroyed or damaged are leaning in the same direction.

My home is covered in Trees, sustained little damage, as I had left all the windows open. the outside of the home is sprayed with Soil & Pine needles which are Horizontally stuck to the walls & Windows. All my Venetian blinds were bent outwards.

This twister intermittently touched down several times over a 2 mile path. No damage either side of the storm path.

I will send Photos of the damage in the next few days using the Subject title above.

Sincerely ,

Les P Babinchak (victim)