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**Probable Tornado**  
**Echo Bay / Laird Township, Ontario**  
**June 6, 2008**

**Date- Local:** Friday, June 6<sup>th</sup>, 2008

**UTC:** Friday, June 6<sup>th</sup>, 2008

**Time- Local:** 1800

**UTC:** 2200

**Location:** Echo Bay / Laird Township

**Region:** Sault Ste Marie - Superior East

**Classification:** Probable Tornado

**Category:** A

**Casualties:** None

**Track Length:** 7000 m

**Width:** 200 m

**Motion:** 210 degrees

**Damage Estimate:** \$100 000

**F-Scale Rating:** F0

**Code:** MB

**Damage Survey:** Yes done by Peter Kimbell and Jerry Shields (private meteorologist)

**Spotter Reports:** None

**Other Documents:**

Storm damage survey report detailing damage and radar signatures

Photos of damage (open warehouse, near by house)

Map of general location and approximate damage path

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## **Tornado F-Scale Assessment**

Brad L. Rousseau

Tornado Data Production Assistant, Environment Canada

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

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**Classification:** Probable Tornado

**Date:** Friday, June 6<sup>th</sup>, 2008

**Location:** Echo Bay / Laird Township, Sault Ste Marie - Superior East Region

**Assessment:** F0

**F-Code:** MB

**Explanation of Assessment:** Partial roof removal from open-faced warehouse; roof damage on neighboring house; damage at nearby arena; sporadic tree damage along 7 km path

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*SJS*

# OSPC Storm Damage Survey Report

Investigators	<i>Kimbell Shields (private meteorologist)</i>
Location / Region	<i>Echo Bay / Laird Township</i>
Event Date Local / UTC (YYMMDD)	<i>080606</i>
Event Time Local / UTC	<i>2200</i>
Severe Weather Event Type	<i>Tornado</i>
Classification	<i>Probable</i>
F-scale Value	<i>0</i>
F-scale Code	<i>MB</i>
Start Lat / Long	<i>46° 25' / 84° 04'</i>
End Lat / Long	<i>unknown</i>
Path Length (m)	<i>roughly 7 km (see map)</i>
Motion (degrees)	<i>roughly 30</i>
Max. Path Width (m)	
Avg. Path Width (m)	<i>roughly 150-200</i>
Human Injuries / Fatalities	<i>0</i>
Animal Injuries / Fatalities	<i>0</i>
Damage (\$K) / Source	<i>&gt; \$100k (based on newspaper report)</i>
Damage Description	<i>partial roof removal from open-faced warehouse; roof damage on neighbouring house; damage at nearby arena; sporadic tree damage along 7 km path (see map)</i>
Other Notes	<i>No survey undertaken; details received from Jerry Shields, who runs his own weather web-site (shieldsweather.com). Small hook visible on 2230Z Capii. Only very weak Doppler velocity couplet visible (not conclusive).</i>
Images and Captions	<i>below</i>



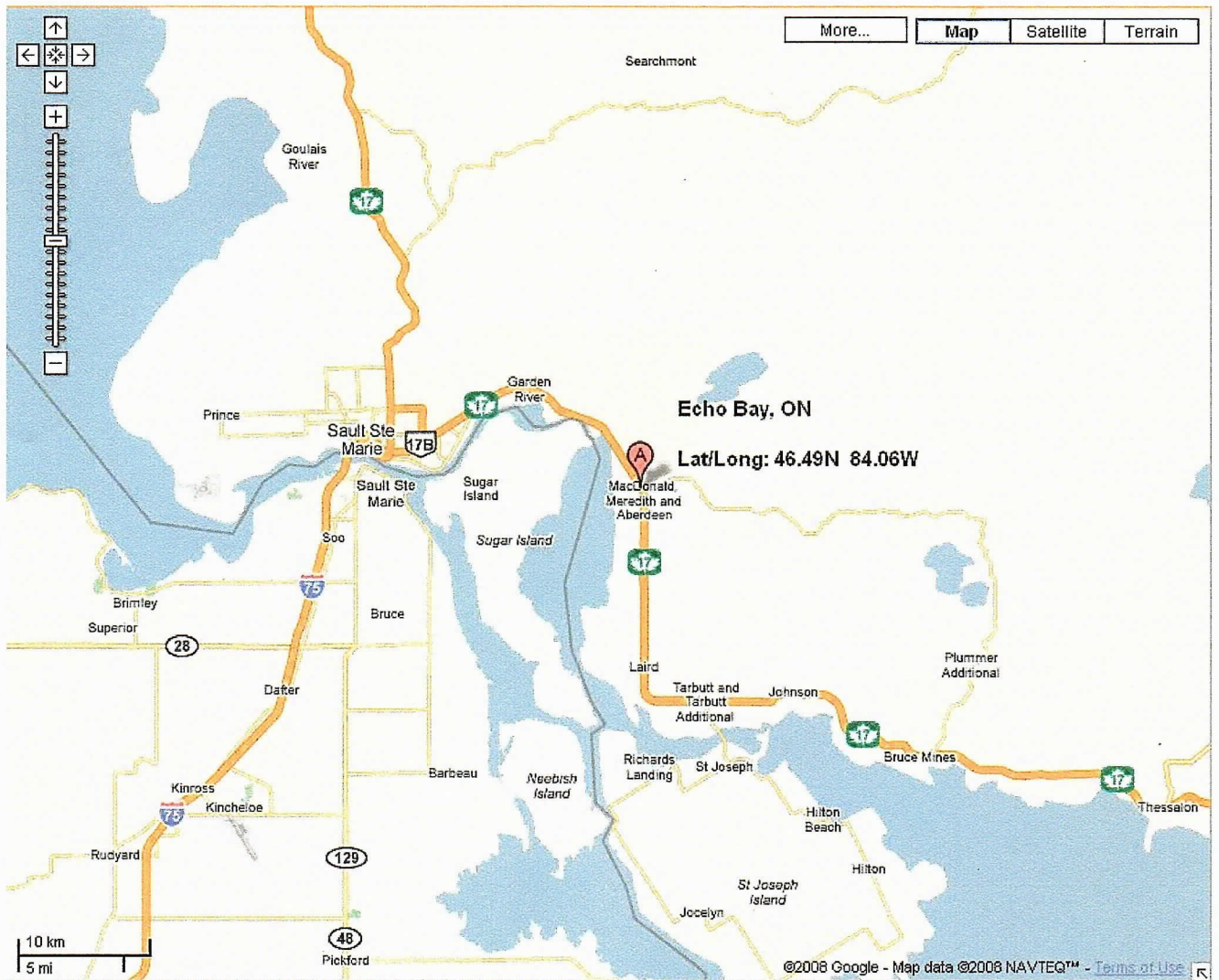


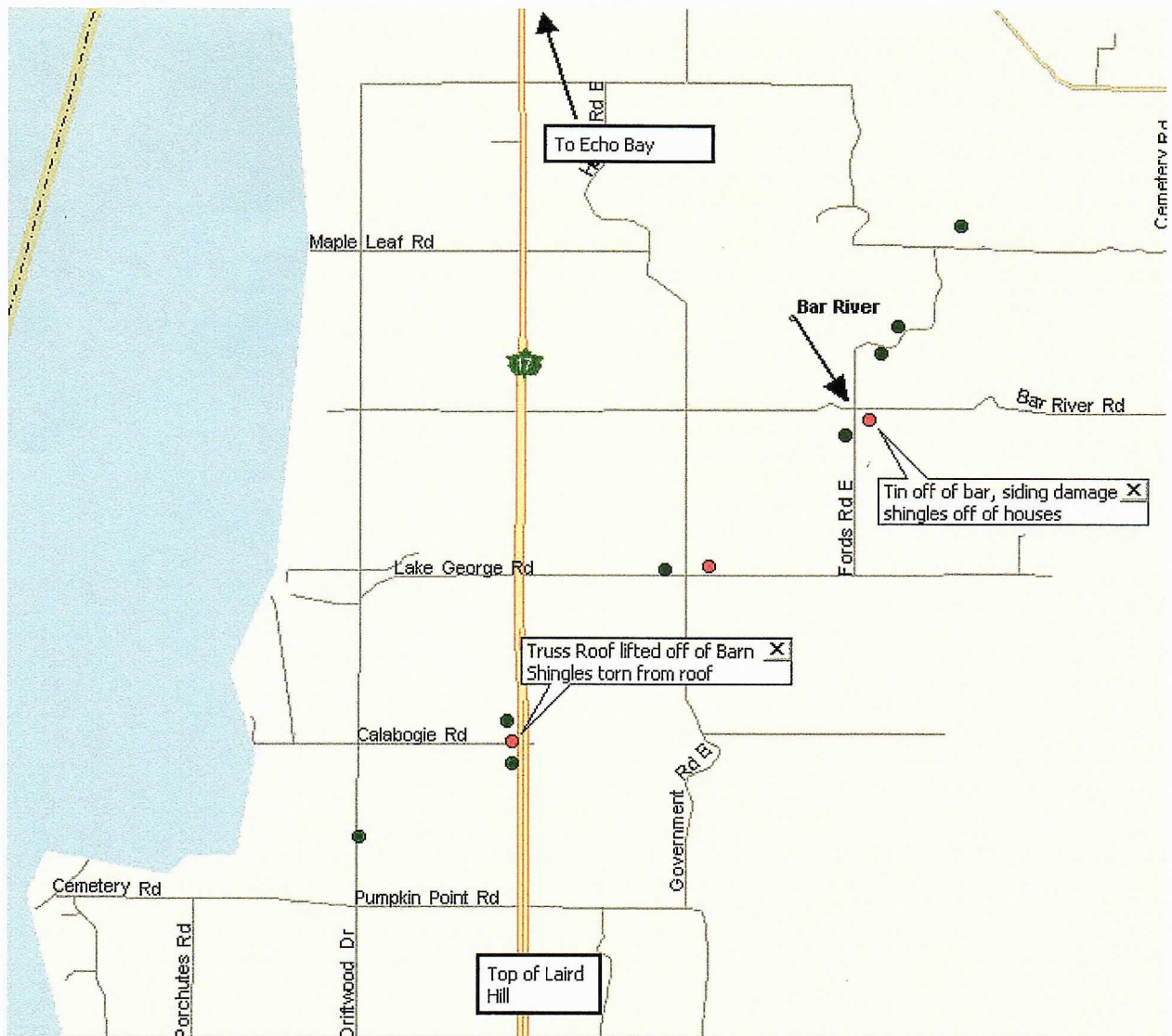














Important notes from this isolated storm:

- Hail size reported to be ~ 2.5 inches in diameter, both reported by Vic Fremlin and the Sault newspaper.  
(<http://www.saultstar.com/ArticleDisplay.aspx?e=1064372&auth=Corina+Milic> or [http://www.sootoday.com/content/news/full\\_story.asp?StoryNumber=32576](http://www.sootoday.com/content/news/full_story.asp?StoryNumber=32576))
- Tom Fremlin (Vic's brother) took picture(s), but I could not get a hold of him. Vic can be reached at 705-256-0496 and Tom can be reached at 705-255-0885
- Evidence of F0 damage from photos; however, since a roof was torn off it is possible that this was F1 damage.
- Trees were down on the property of Vic Fremlin, plus damage to equipment and the building.

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Event type	Tornado (vetted)
Event start date	2008-6-6 UTC (exact)
Event start time	22:00:00 UTC (exact)
Event duration	00:05:00 (rough)
Entered by	rodgersd (2008-06-27 16:34:51)
Event version	latest
fcst region	SAULT STE. MARIE - SUPERIOR EAST
meso region	SAULT STE. MARIE - ST. JOSEPH ISLAND
Latitude/Longitude	46 ° 29' N 84 ° 4' W
Location	0 KM N of Echo Bay
Hail	yes
Hail size descriptor	N/A
Hail diameter	2.5 inches (measured)
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	F0 (estimated)
Lightning	yes
Lightning Intensity	N/A
Mesocyclone	no
Funnel Cloud	no
Waterspout	no
Narrative	Roof torn off one building at tractor dealership (Northshore Tractor Ltd). Several trees damaged (either uprooted or tops ripped off). Hail reported; mostly 2.5 inches diameter but some were said to be as large as 3 inches diameter. Hail shape was odd; looked like an "egg in a frying pan". 3/4 of the ground was covered with hail. High winds seemed to "cut" the long grass at the dealership and threw mud all over the building walls. Damage to siding. An ominous black cloud was seen about 1/2 mile away.
Confidence	probable
Warning Criteria	met or exceeded
Source	Public
MSC initiated report of event	N/A
Contact name	Vic Fremlin
Contact phone	705-256-0496
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	200

Damage comments	This amount was estimated by the co-owner of Northshore Tractor Ltd. and pertains only to his business
Power outage	N/A

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Note: Event details are highlighted in orange.

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